



GOVT. COLLEGE KHARKHARA

DIST. REWARI (HARYANA)-123106.

Email ID: gckharkhara1@gmail.com

Website: <http://gckharkhara.ac.in>

Phone. Nos: 01274-243077

Matrix No. 1.1.1: The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Documents:

- | | |
|--|---|
| a. Time table (2023-24): | Y |
| b. Academic calendar university (2023-24): | Y |
| c. Academic Calendar college (2023-24) / College Activity planner: | Y |
| d. Lesson plan (any one subject) : | Y |
| e. Assignments of subjects : Hindi , English, Economics, Maths, Income Tax | Y |
| f. Class/ House tests: Hindi , English, Economics, Maths, Income Tax | Y |
| g. Internal assessment uploaded on portal of university (any one subject): | Y |
| h. Notice/letter of internal assessment display for students. : | Y |


NAAC Coordinator


Principal
Govt. College, Kharkhara
(Rewari)

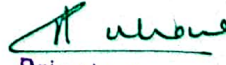
Govt. College Kharkhara, Rewari

Arts Time Table (2023-24)(Odd Semester) w.e.f. 24/07/2023

Periods	1	2	3	4	5	6	7	8	9	
Class	09:00 - 9:45	09:45 - 10:30	10:30 - 11:15	11:15 - 12:00	12:00 - 12:45	12:45 - 1:30	1:30 - 2:15	2:15 - 3:00	3:00 - 3:45	
B.A. (I) Sec-A	Hindi R- 114 (1-6)	English R- 115(1-6)	Political Sci. R- 118 (1-6)	Geography R- 313 (1-6)	Geo. Practical (1-4)		Eng. Comp. R-215 (1-6)			
					Computer R- 203 (1-6)					
B.A. (I) Sec-B	English R- 118 (1-6)	History R- 118 (1-6)	Hindi R-106 (1-6)	Physical Edu. R-209 (1-6)	Geo. Practical (1-4)		Eng. Comp. R-215 (1-6)			
		Economics R- 106 (1-6)		Geography R-315 (1-6)	Phy. Edu. Pra. (Ground)	Computer R- 203 (1-6)				
B.A. (I) Sec-C	English R- 118 (1-6)	History R- 118 (1-6)	Political Sci. R- 118 (1-6)	Hindi R- 114 (1-6)	Computer R- 203 (1-6)	Eng. Comp. R- 215 (1-6)				
B.A. (II) Sec-A	English R- 115 (1-6)	Hindi R- 111 (1-6)	History R-114 (1-6)	Political Sci. R- (1-6)		Eng. Comp. R-215 (1-6)				
B.A. (II) Sec-B	English R- 115 (1-6)	Hindi R- 114 (1-6)	Physical Edu. R- 209 (1-6) Geography R- 115 (1-6)	Eng. Comp. R- 215 (4-6)	Economics R- 106 (1-6)	Geo. Practical (1-4) (R-313)				
					History R- 118 (1-6)	Phy. Edu. Pra. (Ground)				
B.A. (II) Sec-C	Geo. Prac. (R-315) (1-6)			Geography R-115 (1-6)	English R- 111(1-6)	Hindi R- 115 (1-6)	Political Sci. R- (1-6)	Eng. Comp. R-215 (1-6)		
B.A. (III) Sec-A	Geo. Practical (1-6) (R- 304)			Geography R- 304 (1-6)	Hindi R- 114 (1-6)	Economics R- 106 (1-6)	English R- 115 (1-6)			
		Eng. Comp. R- 215 (1-6)								
B.A. (III) Sec-B		Phy. Edu. R- 209 (1-6)	Eng. Comp. R- 215 (1-6)	English R- 106 (1-6)	Hindi R-115 (1-6)	History R-114 (1-6)	Phy. Edu. Pra. (Ground)			
		Political Sci. R-118 (1-6)								


Incharge (Arts)


Time Table Incharge


Principal
Govt. College, Kharkhara
Rewari

Govt. College, Kharkhara (Rewari)

Time Table of Commerce Department 2023-24 W.E.F. 16/09/2023 (odd semester)

	9:00 to 9:45 1	9:45 to 10:30 2	10:30 to 11:15 3	11:15 to 12:00 4	12:00 to 12:45 5	12:45 to 01:30 6	01:30 to 02:15 7	02:15 to 03:00 8	03:00 to 03:45 9
B.Com I (A) R.No.-311	Fin. Accounting 1-6	Bus. Mgt. 1-6	Bus. Eco. 1-6	Basic of Comp. 1-6 (Th.)	Bus. Maths 1-6	Bus. Comm. 1-6	****	Basic of Comp. 1-6 (Pr.)	*****
B.Com I (B) R.No.-312	Bus. Mgt. 1-6	Fin. Accounting 1-6	Bus. Maths 1-6	Bus. Eco. 1-6	****	Bus. Comm. 1-6	Basic of Comp. 1-6 (Th.)	*****	Basic of Comp. 1-4(Pr.)
B.Com II (A) R.No.-305	Corp. Account 1-6	Corp. Law 1-6	****	Business Stat. 1-6	B.R.F 1-6	Insurance 1-6	HRM 1-6	*****	*****
B.Com II (B) R.No.-306	Corp. Law 1-6	Corp. Account 1-6	HRM 1-6	*****	Business Stat. 1-6	Insurance 1-6	B.R.F 1-6	*****	*****
B.Com III (A) R.No.-LT3	*****	Acc. For Mgt. 1-6	Income Tax 1-6	Int. Bus. Env. 1-6	Cost A/c 1-6	E.S.S.B. 1-6	F.M.O. 1-6	*****	*****
B.Com III (B) R.No.-303	F.M.O. 1-6	*****	Int. Bus. Env. 1-6	Income Tax 1-6	Cost A/c 1-6	E.S.S.B. 1-6	Acc. For Mgt. 1-6	*****	*****

Ehta
In-Charge

S. K. J.
(Time Table incharge)

M. Sharma
Principal
Govt. College, Kharkhara
(Rewari)

Govt. College Kharkhara, Rewari
Arts Time Table (2023-24) (Even Semester) w.e.f. 12/01/2024

Periods	1	2	3	4	5	6	7	8	9
Class	09:00 - 9:45	09:45 - 10:30	10:30 - 11:15	11:15 - 12:00	12:00 - 12:45	12:45 - 1:30	1:30 - 2:15	2:15 - 3:00	3:00 - 3:45
B.A. (I) Sec-A	Hindi R- 114 (1-6)	Political Sci. R- 115(1-6)	English R- 113 (1-6)	Geography R- 313 (1-6)	Geo. Practical (1-4) EVS		Computer R- 203 (1-6)	Eng. Comp. R-206 (1-6)	
B.A. (I) Sec-B	English R- 113 (1-6)	History R- 113 (1-6) Economics R- 106 (1-6)	Hindi R- 106 (1-6)	Physical Edu. R-209 (1-6) Geography R-315 (1-6)	Geo. Practical (1-4) Phy. Edu. Pra. (Ground) EVS		Computer R- 203 (1-6)	Eng. Comp. R-206 (1-6)	
B.A. (I) Sec-C	Political Sci. R- 111 (1-6)	History R- 113 (1-6)	English R- 113 (1-6)	Hindi R- 114 (1-6)	Computer R- 203 (1-6)	Eng. Comp. R- 206 (1-6)	EVS		
B.A. (II) Sec-A	English R- 115 (1-6)	Hindi R- 111 (1-6)	History R-114 (1-6)	Political Sci. R- (1-6)		Eng. Comp. R-206 (1-6)			
B.A. (II) Sec-B	English R- 115 (1-6)	Hindi R- 114 (1-6)	Physical Edu. R- 209 (1-6) Geography R- 115 (1-6)	Eng. Comp. R- 206 (1-6)	Economics R- 106 (1-6) History R- 113 (1-6)	Geo. Practical (1-4) (R-313) Phy. Edu. Pra. (Ground)			
B.A. (II) Sec-C	Geo. Prac. (R-315) (1-6)			Geography R-115 (1-6)	English R- 111(1-6)	Hindi R- 115 (1-6)	Political Sci. R- (1-6)	Eng. Comp. R-206 (1-6)	
B.A. (III) Sec-A	Geo. Practical (1-6) (R- 304)			Geography R- 304 (1-6)	Hindi R- 114 (1-6)	Economics R- 106 (1-6) Political Sci. R-113 (1-6) History R-114 (1-6)	English R- 115 (1-6)		
B.A. (III) Sec-B		Phy. Edu. R- 209 (1-6) Political Sci. R- (1-6)	Eng. Comp. R- 206 (1-6)	English R- 106 (1-6)	Hindi R-115 (1-6)	History R-114 (1-6)	Phy. Edu. Pra. (Ground)		


 Incharge (Arts) 12/01/24


 Time Table Incharge 12/01/24


 Principal

Govt. College, Kharkhara (Rewari)

Time Table of Commerce Department 2023-24 W.E.F. 12/01/2024

	9:00 to 9:45 1	9:45 to 10:30 2	10:30 to 11:15 3	11:15 to 12:00 4	12:00 to 12:45 5	12:45 to 01:30 6	01:30 to 02:15 7	2:15 to 3:00 8
B.Com III (A)	****	Fin.Mgt. Mrs. Ekta 1-6	Cost A/C Shilpa Bhatia 1-6 (A+B)	Taxation Law Dr. Sarita 1-6 (A+B)	Int. Marketing Sh. Deepak 1-6	Auditing Sweety 1-6	G.S.T. Mrs. Sweety 1-6	****
B.Com III (B)	G.S.T. Mrs. Sweety 1-6	****	****	****	****	Int. Marketing Dr. Ram Niwas 1-6	Fin.Mgt. Mrs. Ekta 1-6	****
B.Com II (A)	Corp. A/C Sh. Deepak 1-6	Business Stat. Shilpa Bhatia 1-6 (A+B)	Sec. Practice Dr. Ram Niwas 1-6	****	B.R.F Mrs. Sweety 1-6 (A+B)	Marketing Mgt. Mrs. Ekta 1-6	Corp. Law Dr. Sarita 1-6	****
B.Com II (B)	****	****	Corp. A/C Sh. Deepak 1-6	Corp. Law Sh. Deepak 1-6	****	Marketing Mgt. Dr. Sarita 1-6	Sec. Practice Dr. Ram Niwas 1-6	****
B.Com I (A)	Fin. Accounting Mrs. Ekta 1-6 (A+B)	Bus. Math. Sh. Satyender 1-6 (A+B)	Bus. Eco. Dr. Sidhanshu 1-6	Basic of Comp. Dr. Bharat 1-6 (Th.)	Bus. Mgt. Dr. Ram Niwas 1-6 (A+B)	Bus. Env. Shilpa 1-6	Basic of Comp. Dr. Bharat 1-6 (Pr.)	****
B.Com I (B)	****	****	Bus. Eco. Dr. Sarita 1-6	****	****	Basic of Comp. Dr. Bharat 1-6 (Th.)	Bus. Env. Shilpa 1-6	Basic of Comp. Dr. Bharat 1-6 (Pr.)


In-Charge


Overall In-Charge


Principal

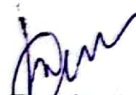
Govt. College Kharkhara (Rewari)

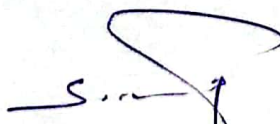
B.Sc. Time Table

Session: 2023-24 (Even Sem)

w.e.f 12/01/2024

Period	1	2	3	4	5	6	7	8	9
Class	9:00-9:45	9:45-10:30	10:30-11:15	11:15-12:00	12:00-12:45	12:45-1:30	1:30-2:15	2:15-3:00	3:00-3:45
B.Sc. I	Practical 3-6 Physics (Dr Meenakshi) Chemistry (Manu Kumar/ Kavita Yadav) R-212/117			Math-1 (1-6) R-205	Chemistry (1-6) R-210	Physics (1-3) English (4-6) R-210	Math-2 (1-6) R-205	Math-3 (1-6) R-205	Physics (1-3) Chem. (5-6) R-209
B.Sc. II	Physics (1-3) Hindi (4-6) R-209	Math-1 (1-6) R-205	Chemistry (1-6) R-210	Math-2 (1-6) R-210	Math-3 (1-6) R-205	Chem. (1-2) Physics (4-6) R-209	Practical 1-4 Physics (Dr Meenakshi) Chemistry (Manu Kumar/ Kavita Yadav) R-212/117		
B.Sc. III	Chemistry (1-6) R-210	Physics (1-6) R-210	Math-1 (1-6) R-205	Practical 1-6 Physics (Dr Meenakshi) Chemistry (Manu Kumar/ Kavita Yadav) R-212/117			Math-2 (1-6) R-210	Math-3 (1-6) R-210	Chem. (3-4) R-210


Faculty Incharge


Time Table Incharge



Principal

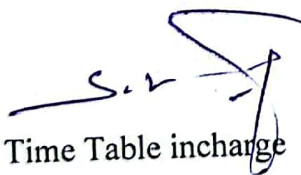
Government College Kharkhara (Rewari)

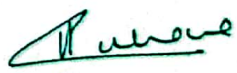
B.Sc (N.M) Time Table 2023-24 (odd semester)

REVISED TIME TABLE W.r.t. 01-08-23

Class	1	2	3	4	5	6	7	8	9
	9:00-9:45	9:45-10:30	10:30-11:15	11:15-12:00	12:00-12:45	12:45-1:30	1:30-2:15	2:15-3:00	3:00-3:45
B.Sc-1	Practicals(Physics/Chem/Comp) (1-6) R-212/117/204			Chemistry (1-6) R-210	English (1-3) Chemistry (5-6) R-210	Physics (1-6) R-210	Maths-1 (1-6) R-205	Maths-2 (1-6) R-205	Maths-3 (1-6) R-205
B.Sc-2	Hindi (1-3) Chem (5-6) R-209	Maths-1 (1-6) R-205	Maths-2 (1-6) R-205	Practicals(Physics/Chem) (1-4) R-212/117			Chemistry (1-6) R-210	Maths-3 (1-6) R-205	Physics (1-6) R-210
B.Sc-3	Maths-1 (1-6) R-205	Physics (1-6) R-210	Chemistry (1-6) R-210	Maths-2 (1-6) R-205	Chemistry (1-2) R-210	Maths-3 (1-6) R-205	Practicals(Physics/Chem) (1-6) R-212/117		


Incharge (Science)


Time Table incharge


Principal
Govt College, Kharkhara
(Rewari)



NOTIFICATION

It is notified for all concerned that the Hon'ble Vice Chancellor is pleased to approve the Academic Calendar to be observed by University Teaching Departments and affiliated Colleges (except Colleges of Education) of Indira Gandhi University, Meerpur during the session 2023-24.

For Under-Graduate Courses being run in UTDs/Affiliated Colleges

EVENT	DURATION
Odd Semester	
1 st Teaching Term	21.07.2023 to 09.11.2023
Vacations (Diwali)	10.11.2023 to 16.11.2023
2 nd Teaching Term	17.11.2023 to 24.11.2023
Examinations	25.11.2023 to 23.12.2023
Winter Vacations	24.12.2023 to 31.12.2023
Even Semester	
1 st Teaching Term	01.01.2024 to 22.03.2024
Vacations (Holi)	23.03.2023 to 31.03.2024
2 nd Teaching Term	01.04.2024 to 30.04.2024
Examinations	01.05.2024 onwards
Summer Vacations	20.05.2024 to 30.06.2024

For Post-Graduate Courses being run in UTDs/Affiliated Colleges

EVENT	DURATION
Odd Semester	
1 st Teaching Term	26.07.2023 to 09.11.2023
Vacations (Diwali)	10.11.2023 to 16.11.2023
2 nd Teaching Term	17.11.2023 to 06.12.2023
Examinations	07.12.2023 to 23.12.2023
Winter Vacations	24.12.2023 to 31.12.2023
Even Semester	
1 st Teaching Term	01.01.2024 to 22.03.2024
Vacations (Holi)	23.03.2023 to 31.03.2024
2 nd Teaching Term	01.04.2024 to 30.04.2024
Examinations	01.05.2024 onwards
Summer Vacations	20.05.2024 to 30.06.2024

Note:

1. If the number of teaching days falls less than 180 days (90 days in each semester) in the academic session 2023-24 due to some unforeseen reasons, it would be the responsibility of the Chairpersons UTDs and Principals of Colleges to make good the loss by arranging extra classes.
2. The next Academic Session 2024-25 will start from 01.07.2024.

REGISTRAR

Endst: IGU/Acad./2023/..... 1766 - 1813

Dated: 21-07-2023

Copy of the above is forwarded to the following for information and necessary action:-

1. The Secretary to Governor, Haryana Raj Bhawan, Chandigarh (for kind information of the Hon'ble Chancellor) I.G.U., Meerpur.
2. Director Higher Education, Shiksha Sadan, Panchkula.
3. Registrars of neighbouring Universities in Haryana.
4. Dean Academic Affairs, I.G.U., Meerpur.
5. Dean of Colleges, I.G.U., Meerpur with a request to forward the notification to concerned affiliated colleges.
6. Deans of all faculties, I.G.U., Meerpur.
7. Controller of Examination, I.G.U., Meerpur.
8. Deputy Registrar (Estt), I.G.U., Meerpur.
9. Finance Officer, I.G.U., Meerpur.
10. All Chairpersons, University Teaching Departments, I.G.U., Meerpur.
11. Dean Students Welfare, I.G.U., Meerpur.
12. Director, Research & Development Cell, I.G.U., Meerpur.
13. Proctor, I.G.U., Meerpur.
14. Chief Warden, I.G.U., Meerpur.
15. Librarian, I.G.U., Meerpur.
16. Assistant Registrar, R&S Branch, I.G.U., Meerpur.
17. Public Relation officer, I.G.U., Meerpur for wider publicity.
18. Director, UCC, I.G.U., Meerpur with request to upload the same on the University Website.
19. Dy Supdt to VC office (for kind information of the Hon'ble Vice Chancellor), I.G.U., Meerpur.
20. P.A. to Registrar (for kind information of the Worthy Registrar), I.G.U., Meerpur.

M. Shikha Singh
DR (Acad)
For Registrar

Activity Session 2023-24		
Month	Event	Dept.
August	Orientation Program for Welcome 1st.year Students, 77th independence day	IQAC/Sports Club/NSS
	Mehandi Competition, Teej Celebration	Women Cell
	Traffic Awareness Program	NSS
	Celebration of Sports day	Social Science Club
	Science essay writing competition	Science department
September	Water Conservation Day, celebration of literary week, NSS Day.	NSS
	Orientation program and registration	Placement cell
	Teachers Day, Hindi Diwas	Hindi
	Essay Writing Competition, workshop on CV writing	Department of Commerce
	Extension Lecture	Women Cell
	Inter class quiz competition.	Social Science Club
	Poster Making	Science Department
	Celebration of International Ozone Day	Department of Geography
	Poem Recitation competition	English Department
	Talent Hunt Program	Cultural Club
Relocation of Library & its Inauguration	Library	
October	International Day for Natural Disaster and risk reduction	Geography
	National Unity Day, Swach Bharat Abhiyan	NSS
	Kavita path competition under Bhartiya Bhasha Diwas, Poster making and slogan writing Indian Language Day, play to promote Hindi language, Essay and speech competition was organized as part of Indian Language Day, Mehandi Competition on karvachauth	Hindi
	Inter class quiz competition.	Science department
	Mehandi Competiton, Karva Chauth Celebration	
	One week workshop multimedia telly and Soft skill development	Placement cell
	Painting Competition under theme "Blood Donate, Save Life"	Red Ribbon Club
Athletic meet	Sports Club	
November	Extension lecture on personality development	Placement cell
	Rangoli Competition at Diwali, Guest Lecture, Self Defence Training	Women Cell
	Constitution Day, National Cancer Awareness Day	NSS
	Inter Class Science exhibition	Science department
	Debate Competition	Social Science Club
	Boys Tour to Agra, Mathura, Vrindavan	
	National Pollution Preventaion Day	Geography

GOVERNMENT COLLEGE, KHARKHARA

Dept. of English

Lesson Plan : BA -3rd Year

Session & Sem : 2023-24 Odd Semester)

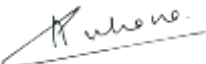
Class: BA 5th Sem.

Name of the Teacher/s: Dr. Mahesh Kumar/ Ms. Manya Bhola

WEEKS	TEXT	COMPOSITION
1	Subject Introduction, Introduction of the Novel "Kanthapura" and Raja Rao	Introduction to the Literary Devices
2	Discussion of Characters of the novel & brief Summary of "Kanthapura"	Types of Literary Devices -1
3	Text Reading of Chapter 1,2 &3	Types of Literary Devices -1
4	Text Reading of Chapter 4, Reference to the context	Introduction to The Clauses
5	Short Question, Answer, Discussion, Oral Class Test, Text Reading of Chapter 6	Types of Clauses-1
6	Text Reading of Chapter 6,7 &8	Types of Clauses -2
7	Text Reading of Chapter 9, 10	Relative clauses -1
8	Text Reading of Chapter 11	Relative clauses -1
9	Short Question, Answer, Discussion, Oral Class Test	Defining & Non- Defining Clauses-1
10	Text Reading of Chapter 12	Defining & Non- Defining Clauses-1
11	Text Reading of Chapter 13 & 14, Class Test	Test on Clauses
12	Text Reading of Chapter 15, 16	Kinds of sentence based on Structure
13	Short Q & A Discussion	Conversion of Sentences -1
14	Text Reading of Chapter 17, 18	Conversion of Sentences -2
15	Text Reading of Chapter 19, Short Q & A Discussion	Precis writing -1
16	Discussion of Long Questions, class test	Precis Writing-2
17	Revision and Doubt Clearing	Short story writing
18	REVISION	REVISION

December	World AIDS Day	Red Ribbon Club/NSS
	Extension lecture	Placement Cell
	Extension lecture	Women Cell
	A painting competition, Book Stall	Hindi Department
January	Essay writing, slogan competition, and poster making competition on National Youth Day celebration	Red Ribbon Club, NSS
	Convocation ceremony and Launch of E Magazine	Registrar
	National Youth Day	NSS
	National Girl Child Day	Red Ribbon Club/NSS
	Celebration of 75th Republic day in college.	Sports Club/NSS
	Debate Competition	Science department
	Inter-Class Science Exhibition	Dept. of Physics, Chemistry, Geography
February	Alumni Meet	Alumni Cell
	Workshop on CV writing and interview concept, communication skills	Placement Cell
	Quiz	Social Science Club
	Cultural fest Spectrum	Cultural Cell
	One Day Camp	NSS
	National Science Day	Dept. of Physics
	Extension Lecture	Social Science Club
March	International Women's Day	Women Cell
	World Water Day	Geography
	Extension lecture on self-employment opportunities	Placement cell
	Extension Lecture	Science department
	The 7 day NSS Camp, National safety Day	NSS
April	International Mother Earth Day	Geography/NSS
May	Anti Tobacco Day	NSS
June	International Yoga Day	NSS


IQAC Coordinator


Principal

GOVERNMENT COLLEGE, KHARKHARA

Dept. of English

Lesson Plan : BA -3th Year

Session & Sem : 2023-24 Even Semester)

Class: BA 6th Sem.

Name of the Teacher/s: Dr. Mahesh Kumar/ Ms. Manya Bhola

WEEKS	TEXT	COMPOSITION
1	Introduction to Drama and Basic Elements of Theatre	Introduction to the Literary Devices
2	Types of Drama, Reading and Composition	Types of Literary Devices - Discussion
3	Types of Drama & Introduction to The Merchant of Venice. Precis Writing	One word substitution -1
4	Text reading Act 1, Scene 1, Precis Writing	One word substitution -2
5	Text reading Act 1, Scene 2 & 3, Precis Writing	Precis writing -1
6	Text reading Act 2, Scene 1 and Analysis of Act 1, Abstracting	Precis Writing-2
7	Text reading Act 2, Scene 2 and Scene 3, Abstracting & Test of Precis Writing	Abstract / summary writing-1
8	Text reading Act 2, Scene 4&5	Abstract / summary writing-2
9	Text reading Act 2, Scene 6, Summarising	Practise Exercises. on Precis writing
10	Text reading Act 2, Scene 7,8 &9	Practise Exercises on Precis writing
11	Act 3 Scene 1, Summarising, Reading Comprehension	Test on Precis writing & on Summary writing
12	Text reading Act 3, Scene 2&3	Comprehension of the passage -1
13	Text reading Act 3, Scene 4 &5	Exercises on Comprehension of the passage Q/A
14	Para Phrasing and Test of Abstracting	Introduction & types of letters
15	Text reading Act 4, Scene 1 & 2	Letter writing -1
16	Text reading Act 5, Scene 1, One word Substitution and Letter Writing	Letter writing -2
17	Discussion of Long Questions, Revision of Reference to the Context and Doubt Clearing	Practice exercises on Letter Writing
18	REVISION	REVISION

Assignment - II

Q1. प्रयोजनमूलक हिन्दी में संक्षेपण की परिभाषा, प्रक्रिया के नियम और उसकी प्रमुख विशेषताओं पर प्रकाश डालिए।

उत्तर - प्रयोजनमूलक हिन्दी में संक्षेपण प्रक्रिया का अत्यधिक महत्व है। आज मानव - जीवन की गति व दिग्दर्शनी अत्यंत तीव्र होती जा रही है। मानव अपने जीवन की अत्यधिक व्यस्तता के कारण हर कार्य को शीघ्रता से निपटाना चाहता है। इसलिए मनुष्यके जीवन में संक्षेपण की आवश्यकता दिन - प्रतिदिन अधिक अनुभव की जा रही है। संक्षेपण की भाषा सूत्रात्मक और अपने - आप में पूर्ण होनी चाहिए।

परिभाषा → संक्षेपण का सामान्य अर्थ है - किसी कथन अथवा विवक्षित भाव को सम्पूर्ण एवं सार रूप में प्रस्तुत करना। संक्षेपण शब्द की व्युत्पत्ति = सम् + क्षेप + ल्युट् + अप् के योग से हुई है। वस्तुतः संक्षेपण अपने आप में एक कला है और इसके आध्यास की अपेक्षा रहती है। वस्तुतः संक्षेपण अंग्रेजी के 'Paraphrase' का हिन्दी अनुवाद है। प्रसिद्ध मूलतः फ्रेंच भाषा के प्रसिद्धि और शब्द से निकला है। हिन्दी भाषा में संक्षेपण शब्द संस्कृत के मह्यम से आया है। प्रसिद्धि के पहले इसकी व्युत्पत्ति के विषय में बताया जा चुका है। संस्कृत की क्षेप में सम् उपसर्ग के द्वारा प्रत्यय जोड़ने से बना है।

विषय को अर्थ देने - छांटना करना या संक्षिप्त करके प्रस्तुत करना ।

* संक्षेपण प्रक्रिया के विषय →

मार्क कि संक्षेपण एक कला है। इसमें व्यक्ति को भावमिव्यक्ति की प्रक्रिया में विपुलता का विकास होना चाहिए। भाषा पर सही आधिकार हो जाना चाहिए। यह व्यक्ति को व्यक्तित्व का आसानी से बनाने में मदद करता है।

किसी भी कृता या विषय का संक्षेपण करते समय निम्नलिखित बातों की ओर ध्यान देना और आवश्यक है -

(1) मूल पाठ की आवश्यक पूर्वसूचनाओं को छोड़कर वह लेखना चाहिए। उसके सभी तथ्यों का समझ लेना चाहिए। इससे संक्षेपण का कार्य सरल हो जाएगा।

(2) मूल पाठ की प्रमुख और मुख्य तथ्यों को संक्षेपित रूप में लेना चाहिए। इससे संक्षेपण और कम समय में ही मुख्य तथ्यों के बारे में जानकारी हो सकेगी।

(3) मूल उद्देश्य में जो विचार संक्षिप्त रूप में रूप में अभिव्यक्त किए जायें, उनकी व्याख्या नहीं करनी चाहिए।

(4) इस प्रक्रिया में सूत्रात्मक, समरत पद प्रधान भाषा अपनानी चाहिए।

(5) मूल पाठ के प्रत्यक्ष कथन को पुरातन कथन में बदल देना चाहिए। इनमें और मह्यम पुरुष के स्थान पर अन्य पुरुष कथन अपनाना चाहिए।

(6) संक्षेपण लेखन के काम में शीघ्र और भाषा सरल होनी चाहिए। इसमें यथासंभव शब्दों में अधिक कथन का गुण होना चाहिए।

(7) संक्षेपण लेखन में स्वयं में एक स्वतंत्र सुवाचक और प्रवाहपूर्ण अनुच्छेद होना चाहिए।

(8) विराम चिह्नों का अनुकूल प्रयोग करना चाहिए। इससे पाठ में संक्षेपण का समावेश होगा साथ ही भाषा में सुदृढ़ता और अभिव्यक्ति में स्पष्टता आएगी।

★ संक्षेपण प्रक्रिया की प्रमुख विशेषताएँ → विमनाचरित्व विशेषताएँ इस प्रकार हैं।

(1) संक्षेपण → किसी विषय-वस्तु का मूल में संक्षेप होना संक्षेपण प्रक्रिया का मूल आधार होता है। प्रायः यह माना जाता है कि संक्षेपण मूल पाठ का एक विशाल भाग होना जरूरी है।

संज्ञित यह की है पाठ्य की लक्ष्य है।
कारण यह कि प्रसार - प्रसार होने से
संज्ञित को अन्तर नहीं आता ।

(2) संज्ञित → संज्ञित रूप का यह अर्थ नहीं है कि
संज्ञित पाठ या विषय की कुछ अवधारणा
संज्ञित की ही होना चाहिए। अतः
संज्ञित की प्रमुख विशेषता यह
होनी चाहिए ।

(3) सम्बन्धता → मूल पाठ के सभी तथ्यों
सम्बन्धता और सरल तथ्यों
होना चाहिए । उनका आपसी तालमेल
रखना चाहिए । इस खंड में
के लिए सभी तथ्यों का सम्बन्ध
है। उन की सुसम्बन्धता बनाए रखनी चाहिए ।

(4) सुस्पष्टता → प्रमुख भाषा की स्पष्टता को
पारदर्शिता में होकर सरलता और स्वाभाविकता
होनी चाहिए। आवश्यकता है पाठ की
मूल पाठ का संज्ञित सहज और सरल भाषा में ।

(5) सामाजिकता → संज्ञित मूल पाठ का निम्नलिखित
होना चाहिए । इस प्रकार में मूल पाठ के
तथ्यों को छोड़कर कुछ तथ्यों को
परन्तु मूल भाषा को अपने अर्थों में
संज्ञित रूप में प्रस्तुत करना होगा ।

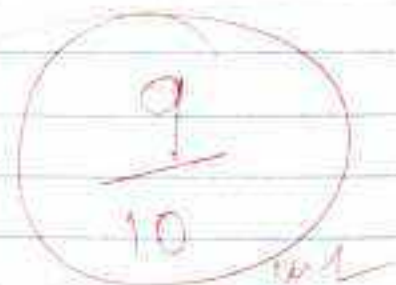
(6) समाहार शक्ति → समाहार शक्ति का
अर्थ - जो-जो शब्दों में उपलब्ध -
आवश्यक भाव व्यक्त करने की क्षमता ।

Q2. 'रथ का टूटा पहिया' किसका प्रतीक है? कवि उस प्रतीक के माध्यम से क्या संदेश देना चाहता है?

उत्तर डॉ० धर्मवीर भारती के काव्य - संग्रह 'रथ गीत' वर्ष 1950 में उद्घृत कविता 'रथ का टूटा पहिया' एक प्रतीकात्मक कविता है जिसमें रथ का टूटा पहिया समाज के दुर्बल तथा हीन समझे जाने वाले वर्ग का प्रतीक है। इसे पारम्परिक मूल्यों का प्रतीक माना जा सकता है। कवि की मान्यता है कि जिन परम्पराओं को हम व्यर्थ और विगलित मानते हैं; वे ही समय पड़ने पर नव - निर्माण में सहायक सिद्ध हो सकती हैं। आधुनिक परिवर्तन में निराशा, कुण्ठा, संतुष्टि, आदि विषमताओं तथा सांस्कृतिक संकटों में पुरानी एवं खण्डित मान्यताएँ भाव साधुलता प्रदान कर चुकने की दायता रखती हैं। वे समाज में परिवर्तन ला सकती हैं।

'रथ का टूटा पहिया' का अर्थ एवं विकास समझने वाले वस्तुओं का प्रतीक बूझ भी हो सकता है। अभिमन्यु ने महाभारत के उद्घटन में अपनी सारी अस्त्र शस्त्रों को खो देने के पश्चात् रथ के टूटे पहिए से खड़े रहना ही प्रयास किया था। कौन कह सकता है कि निरर्थक मानने वाले ब्रह्मचर्यों भी समय पड़ने पर अपनी उपयोगिता सिद्ध कर सकती हैं। धौली - सेव धौली और पूंग रूप से प्रथम माणी जाने वाली वस्तु का भी कोई स कर्ष महत्व अवश्य होता है।

समाज में हीन एवं अहित समझी जाने
 वाली परंतु एवं व्यक्ति भी मानव-प्रीत
 का उत्थान सिद्ध है। राकत है। आज के
 भौतिकतावादी युग में किसी भी व्यक्ति अपना
 वस्तु का लक्ष्य राही माना जाना चाहिए।
 हर वस्तु की कोई - ज - कोई उपयोगिता
 अवश्य है।



NAME : Megha Sharma

CLASS : BA IInd (IVth SEM)

Roll no : 2162 (B)

Subject : English

Submitted To : Profy. Mahesh Sir.

ASSIGNMENT

THE SWAN SONG

- Anton Pavlovich Chekhov

Introduction:-

This question has been taken from the chapter "The Swan Song" written by "Anton Pavlovich Chekhov". This play is about the last performance of a sixty eight years old actor, S. Petlovideff, who has a forty five year long career in the theater.

Summary:- "The Swan Song" is a beautiful play. The title of the play is based on ancient belief. It was ~~also~~ believed that the swan sing is a beautiful song just before it dies. In the same way in this play S. Petlovideff gives a beautiful last performance. After playing his part in the play he falls asleep in the dressing room under the influence of alcohol. He wakes up and finds himself alone in the darkness.

Then he realise the emptiness of his life. Here he expresses his inner world which is full of sadness. The irony of him life is that by profession he is clown and make people laugh but in his own life he is very sad. He feels lonely and says, "I have nobody he wife... no children". He says he was gained love respect and money from his audience. But now his acting career is over. People used to praise him but none wanted in many her daughter to him.

THE ENVOY - Bhasa

SUMMARY

4/2

INTRODUCTION:- This equation has been taken from the "The Envoy" written by "Bhasa". The Envoy is based on the Mahabharata. The time of the play is that moment when the great war between the Pandavas and the Kauravas was imminent.

SUMMARY:- The Envoy is a beautiful play. It is based on Mahabharat. The play presents Krishna's request for peace. The battle of Kurukshetra is about to begin between the Pandavas and avoid this war. He knows that the war begins only death and destruction. So he goes to Duryodhana to make peace between them. He says that the time has come when the inheritance should be divided equally. He says that, "All is lost by cheating relatives and well-wishers".

But he is a wicked person and plans to humiliate Krishna. He says, "One does not beg for a Kingdom... Kingdoms are won by prowess".

He says that he is not ready to give anything to the Pandvas. In this argument, he says harsh words for Krishna. He says, "Cowherd! Grass is indeed a thing for you." These words anger Lord Krishna. He decides to use his Sudarshana Chakra to kill Duryodhana. But he controls his anger. Dhritarashtra knows that Krishna's anger can bring destruction for the Kaurava family. So he apologises to Krishna for the rude behaviour of his son. Krishna forgives him. So we can say that Duryodhana makes the mistake of humiliating Krishna and his mistake becomes the reason of his demise.

CONCLUSION:- There is a possibility of war between Pandvas and the Kurus. Krishna does not want the brothers to kill one another. He knows that this war would bring only death and

destruction. He wants to avoid this war. So
he ~~gives~~ goes to Duryodhana with the
proposal of peace. But Duryodhana rejects
his peace proposal.

[Handwritten signature]

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Class = B.Com 1st year

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Date = 21-02-2023

Q-1 पूर्ण प्रतियोगिता के अंतर्गत अल्पकाल व दीर्घकाल में फर्म व उद्योग के संतुलन की व्याख्या कीजिए?

Ans

फर्म का अर्थ - फर्म वह इकाई है जो लाभ प्राप्त करने की दृष्टि में बिक्री के लिए उत्पादन करती है, इसका उद्देश्य को लाभ को अधिकतम करना होता है।

★ फर्म के संतुलन का अर्थ = एक फर्म उस समय संतुलन में होगी जब उत्पादन में कमी करना या वृद्धि करना उसके लिए लाभकारी नहीं होगा। एक फर्म उस समय संतुलन में होगी जब उसके लाभ अधिकतम होगा।

★ फर्म के संतुलन की शर्त :- इसकी निम्नलिखित शर्तें हैं।

1. अधिकतम लाभ :- एक फर्म का लाभ (x) कुल आय (TR) तथा कुल लागत (TC) के अंतर के बराबर होता है। इसलिए एक फर्म के संतुलन की शर्त यह है कि लाभ $(x = TR - TC)$ अधिकतम होने चाहिए।

2. स्थिर लागतों की न्यूनतम हानि :- अल्पकाल में एक फर्म तभी उत्पादन करेगी जब कुल आय - कुल परिवर्तनीय लागत से कम नहीं होता। एक फर्म उस समय संतुलन में होगी जब यह न्यूनतम हानि उठा रही होती है।

3. सीमांत लागत तथा सीमांत आय लगकर होने चाहिए

4. सीमांत लागत वक्र सीमांत आय वक्र को नीचे से काटे

* एक कर्म के संतुलन की उपरोक्त शर्तों को दो विधियों द्वारा स्पष्ट किया जाता है।

i) कुल आय तथा कुल व्यय विधि

ii) सीमांत आय तथा सीमांत व्यय विधि

* कर्म का अल्पकालीन संतुलन :- अल्पकाल में एक प्रतियोगिता कर्म का प्लॉट स्थिर होता है। वह परिवर्तनशील साधनों में परिवर्तन करके उत्पादन में इस प्रकार का परिवर्तन करने का प्रयत्न करती है कि उसकी लाभ अधिकतम या हानि न्यूनतम हो जाए। इस उद्देश्य की प्राप्ति के लिए कर्म निम्नलिखित दो विधियों में किसी भी विधि का प्रयोग कर सकती है।

1. कुल आगम या कुल लागत विधि \Rightarrow अल्पकाल में एक उत्पादन की उस मात्रा का उत्पादन करेगी जिस पर उनके लाभ अधिकतम होंगे तथा हानि न्यूनतम होगी।

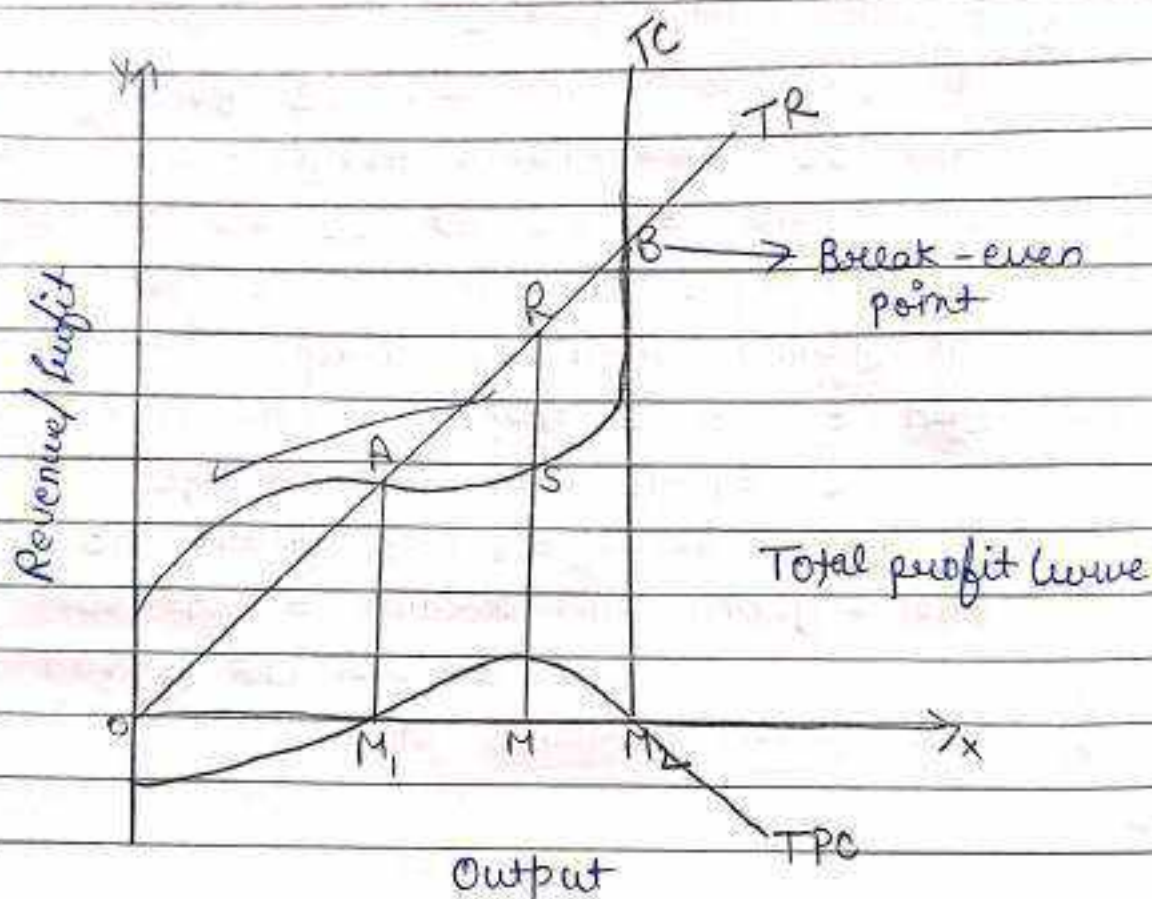
ii) अधिकतम लाभ :- एक कर्म संतुलन की स्थिति में उस समय होती है जब उसे अधिकतम कुल लाभ प्राप्त हो रहे। एक कर्म के लाभ का अनुमान कुल आगम में से कुल लागत को घटाकर लगाया जा सकता है।

$$x = TR - TC$$

(यहां x = कुल लाभ ; TR = कुल आगम , TC = कुल लागत)

एक कर्म उस समय संतुलन में होती है जब

कह किसी वस्तु की कुछ मात्रा का उत्पादन कर रही होती है जिस पर कुल आगम तथा कुल लागत का अंतर अर्थात् कुल लाभ अधिकतम होता है। इस स्थिति को चित्र 1 में स्पष्ट किया जा सकता है।

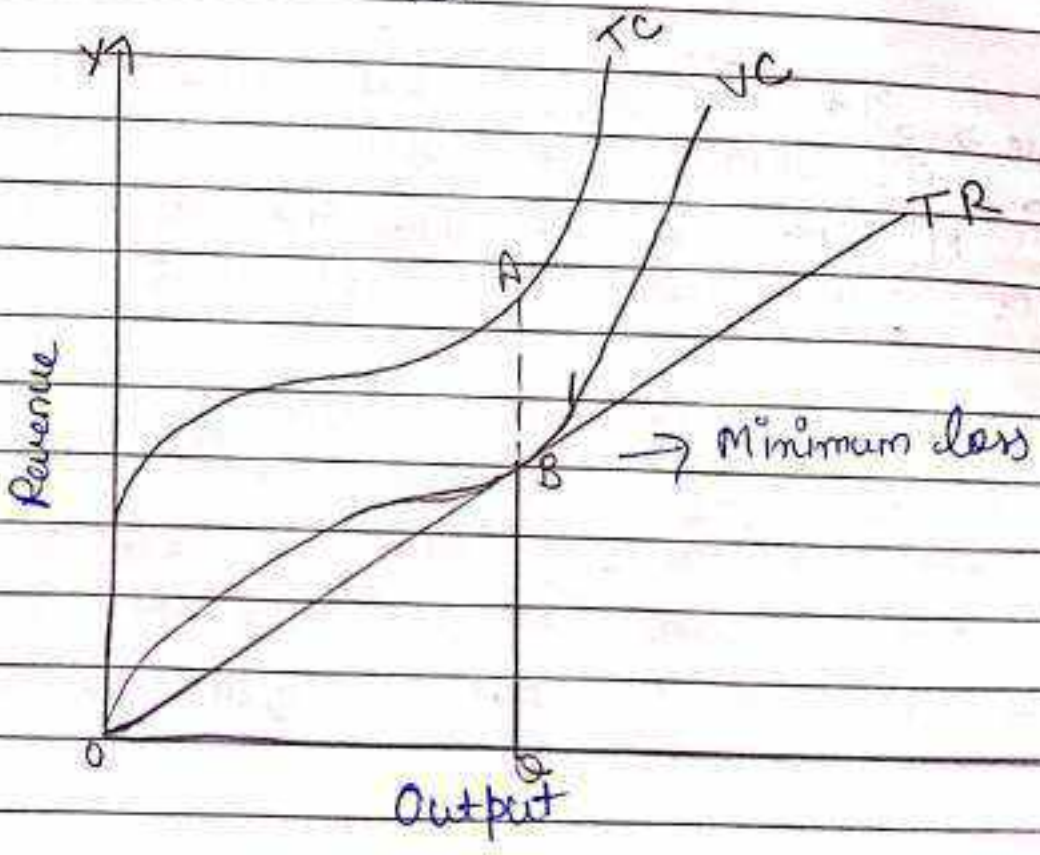


Define → जब फर्म OM_1 से कम उत्पादन करती है तो उसको हानि उठानी पड़ती है। क्योंकि 0 से M_1 तक TC वक्र TR वक्र के ऊपर है। अर्थात् कुल लागत, कुल आगम से अधिक है।

ii) यदि फर्म OM_1 मात्रा का उत्पादन करती है तो फर्म की हानि शून्य हो जायेगी तथा उसके लाभ भी शून्य होंगे क्योंकि इस स्थिति में कुल आगम तथा कुल लागत बराबर है। अर्थशास्त्र की भाषा में बिंदु A को लक्ष्य पर फर्म के कुल लाभ प्राप्त

हो रहे हैं क्योंकि इस स्थिति में कुल
 खर्च लागत से अधिक है तथा M_2 कर्म
 लाभ शून्य हो जाते हैं।

2. न्यूनतम हानि - चित्र 2 में न्यूनतम हानि की
 को प्रकट किया जाता है। TC कुल लागत वक्र
 तथा VC परिवर्तनशील लागत वक्र है। TR कुल
 आगम वक्र है। TR वक्र VC वक्र को बिंदु B
 छू रही है। इससे ज्ञात होता है कि कर्म वापस
 की प्रचलित कीमत पर केवल परिवर्तनशील लागत
 प्राप्त हो रही है तथा उसे स्थिर लागत की हानि
 हो रही है। यह हानि न्यूनतम AB या OK स्थिर
 लागत के बराबर है। स्थिर लागत AB (OK) की
 हानि न्यूनतम हानि कहलाती है जो कर्म की उस
 समय उठानी पड़ती है। जब वह अल्पकाल के
 लिए अपना उत्पादन बंद कर देगी।



सीमांत

II सीमांत आगम तथा सीमांत लागत विधि - फर्म की स्थिति को ज्ञात करने के लिए दूसरा तरीका एवं अधिक प्रचलित सीमांत आगम तथा सीमांत लागत विधि है। किसी वस्तु को एक अतिरिक्त इकाई का उत्पादन करने से कुल लागत में जो अंतर आता है उसे सीमांत लागत कहते हैं। एक फर्म अधिकतम लाभ की स्थिति का ज्ञान प्राप्त करने के लिए "सीमांत आगम, सीमांत लागत को अधिक है तथा सीमांत लागत बढ़ रही है तो फर्म अपने उत्पादन में वृद्धि करेगी" एक फर्म जब तक उत्पादन करेगी जब तक सीमांत आगम, सीमांत लागत से अधिक होता है, इसका कारण यह है कि इस स्थिति में उत्पादन की प्रत्येक इकाई की बिक्री से प्राप्त आय प्रति इकाई उत्पादन लागत से अधिक होती है।

2) सीमांत लागत बढ़ने पर यदि सीमांत आगम सीमांत लागत से कम है तो फर्म अपने उत्पादन में वृद्धि करेगी - इसका कारण यह है कि इस स्थिति में फर्म उत्पादन की प्रति इकाई की बिक्री से जितनी आय प्राप्त करेगी उसमें अधिक लागत खर्च करेगी। इसलिए उत्पादन की प्रति अतिरिक्त इकाई के कारण फर्म को हानि होगी।

3) यदि सीमांत आगम, सीमांत लागत के बराबर है तथा सीमांत लागत बढ़ रही है तो फर्म ने संतुलन उत्पादन की स्थिति प्राप्त कर ली है। इस स्थिति में एक फर्म संतुलन में होगी। एक फर्म अपने लाभ को अधिकतम या हानि को न्यूनतम उस स्थिति में कर सकेगी जिसमें सीमांत आगम, सीमांत लागत के बराबर है।

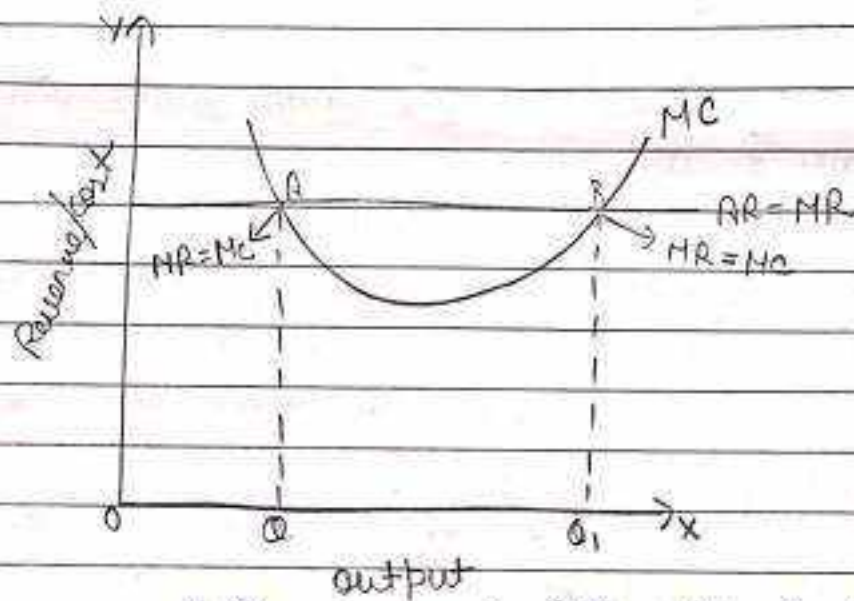
पृष्ठ संख्या

★ सीमांत विश्लेषण के अनुसार एक फर्म संतुलन अवस्था में तब ही होती है, जब दो शर्तें पूरी हों।

- 1) $MC = MR$ (First Order Condition) ✓
- 2) MC वक्र MR वक्र को नीचे से काटे (Second Order Condition)

जहाँ $MC = MR$ वहाँ MC का ढलान धनात्मक होना चाहिए।

Diagram = 3.

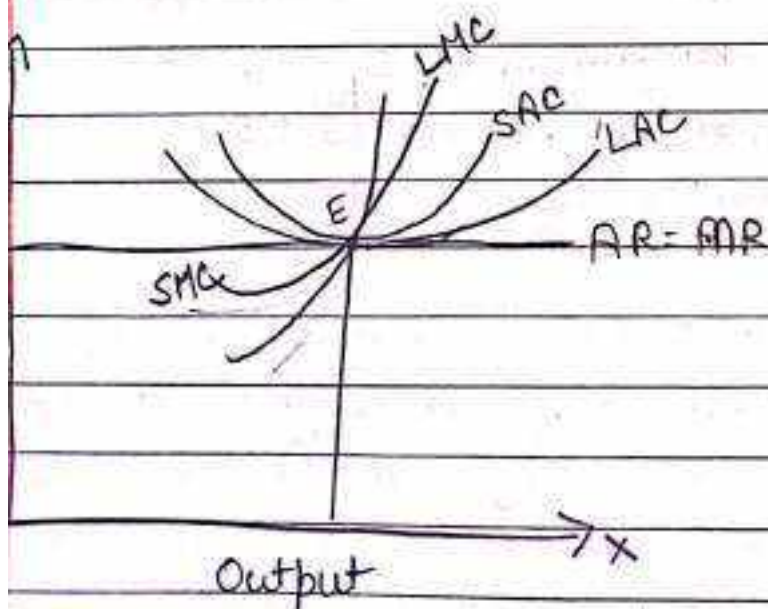


Define → फर्म के संतुलन की दोनी शर्तों को चित्र 3 की सहायता से स्पष्ट किया जा सकता है। चित्र 3 में pp रेखा औसत आगम अर्थात् कीमत तथा सीमांत आगम को प्रकट कर रही है। एक चित्र में जात होता है कि सीमांत लागत वक्र सीमांत आगम वक्र pp को दो बिंदुओं A तथा E पर काटे रही है अर्थात् इस दोनी बिंदुओं पर $MR = MC$ । बिंदु

की जगह चलता है कि फर्म ON वस्तुओं का उत्पादन कर रही है। फर्म ON से OM तक जितनी अधिक वस्तुओं का उत्पादन करती जाएगी सीमांत लागत सीमांत आगम से कम होती जाएगी और फर्म के लाभ बढ़ते जाएंगे। फर्म बिंदु E पर संतुलन की स्थिति में होगी। इस स्थिति में दोनों शर्तें भी पूरी हो रही हैं।

फर्म के दीर्घकालीन संतुलन का निर्धारण = दीर्घकालीन समय की वह अवधि है, जिसमें प्रती की मांग के अनुसार कम या अधिक किया जा सकता है तथा पुरानी फर्म उद्योग को छोड़ सकती है। उद्योग की वर्तमान फर्म आवश्यकतानुसार अपने प्लांट के आकार को छोटा या बड़ा कर सकती है। दीर्घकालीन सीमांत लागत वक्र को नीचे से काट रही है। परंतु दीर्घकाल में साधारणतया सभी फर्म संतुलन की स्थिति में केवल सामान्य लाभ ही प्राप्त करेंगी। अतएव दीर्घकालीन संतुलन की स्थिति में फर्म का संतुलन उत्पादन वह उत्पादन होगा जिस पर :-

$$SMC = LMC = MR = AR \text{ Minimum } LAC = SAC$$



Define \rightarrow फर्म के दीर्घकालीन संतुलन को चित्र द्वारा
 की जा सकती है। इस चित्र में LMC और SMC
 औसत लागत वक्र है। यह अल्पकालीन औसत लागत
 की तुलना में चपटा है। इसका कारण यह है कि
 दीर्घकालीन औसत लागत वक्र औसत लागत वक्र को
 बाहर से घेर लेती है। LMC दीर्घकालीन सीमांत लागत
 वक्र तथा SMC अल्पकालीन सीमांत लागत वक्र है।
 चित्र से जात होता है कि उद्योग द्वारा निर्धारित OP कीमत
 पर फर्म बिंदु E पर संतुलन की अवस्था में होगी तथा
 संतुलन उत्पादन OM होगा।

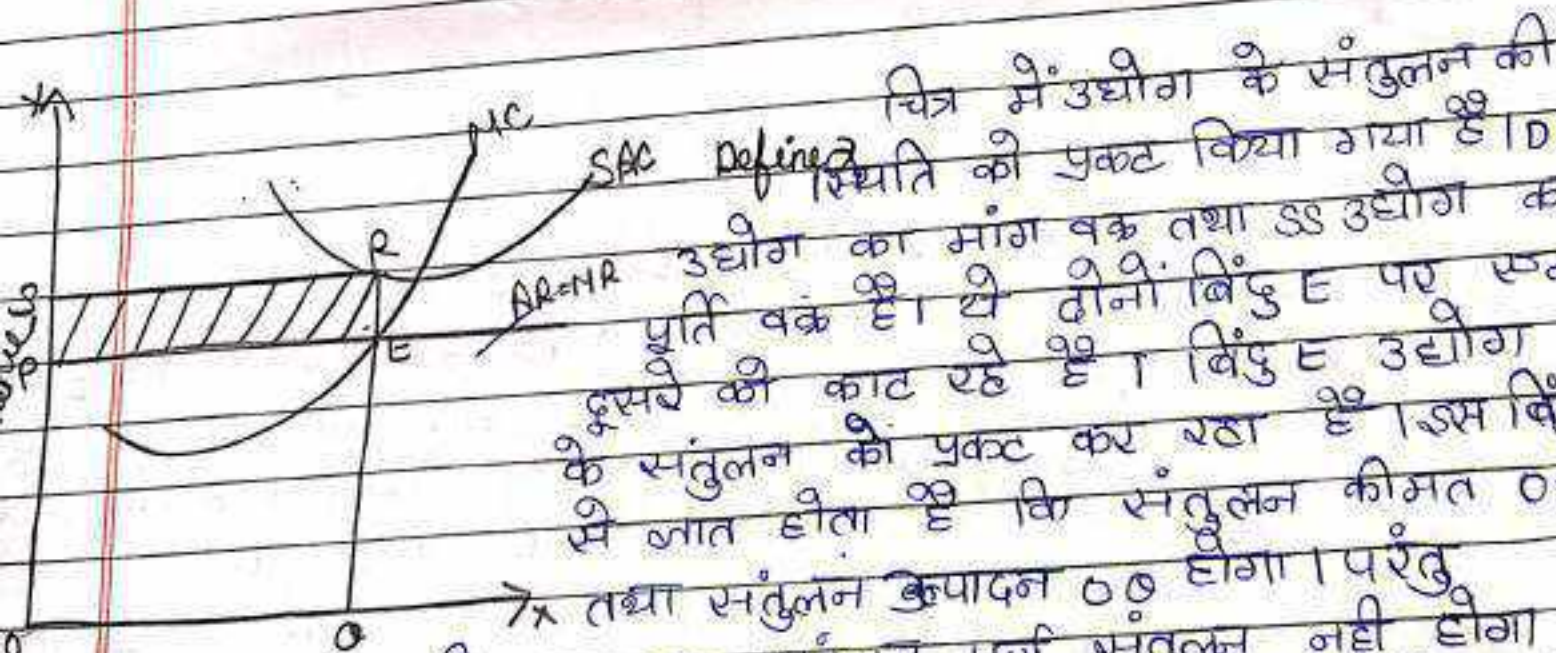
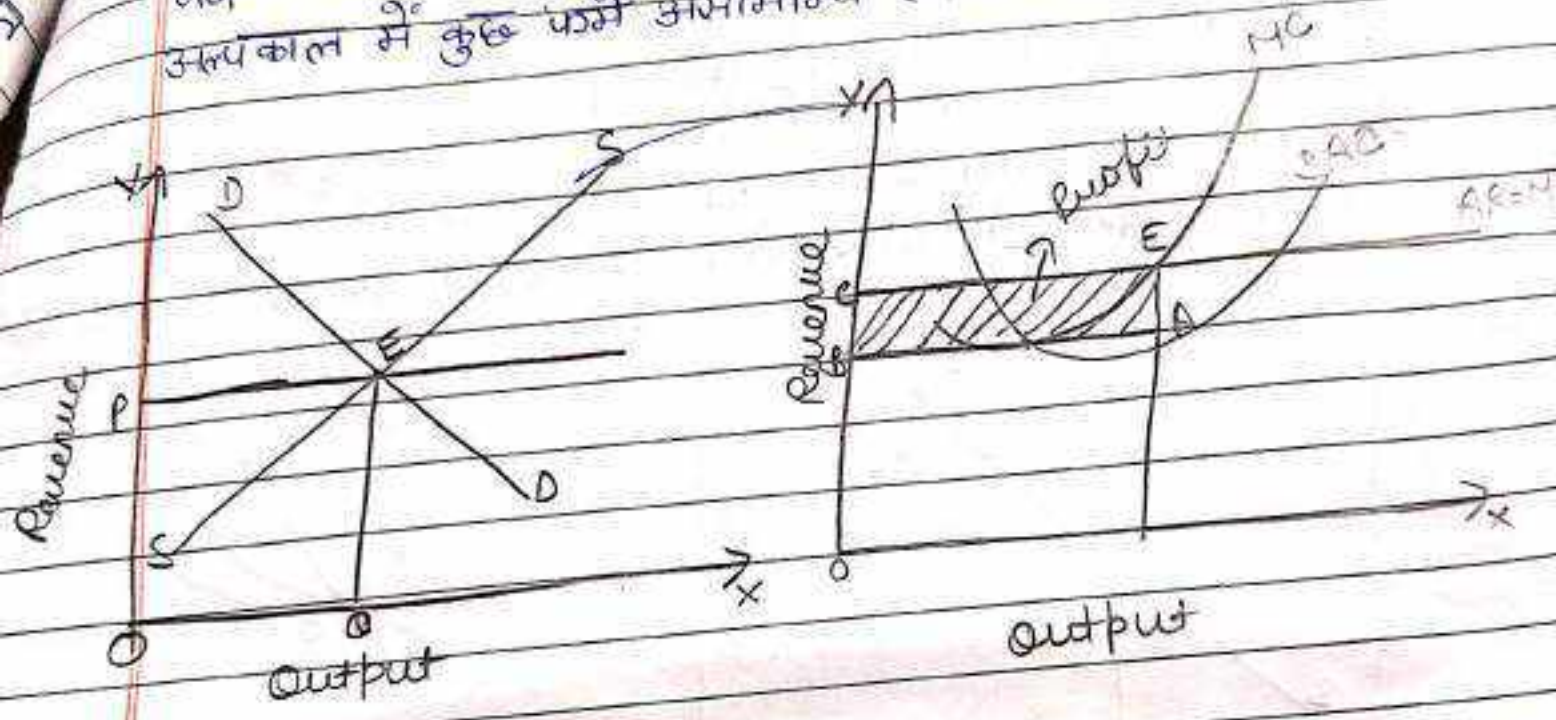
* उद्योग का अर्थ: फर्म के उस समूह को जो एक समरूप
 वस्तुओं का उत्पादन करता है, उद्योग कहा जाता है। ऐसी फर्म
 केवल पूर्ण प्रतियोगिता की अवस्था में पाई जाती है।

* उद्योग के संतुलन का अर्थ \rightarrow एक उद्योग उस समय संतुलन
 में होता है जब उसे उद्योग में परिवर्तन की कोई प्रवृत्ति
 नहीं पाई जाती है। प्रो. हेन्स के अनुसार एक उद्योग उस
 अवस्था में संतुलन की स्थिति में होगा जब उद्योग के आकार
 में परिवर्तन की कोई प्रवृत्ति नहीं पाई जाती। इस अवस्था में
 नई फर्म उद्योग में प्रवेश नहीं कर सकती तथा पुरानी फर्म
 उद्योग को नहीं छोड़ रही है। एक उद्योग में नई फर्मों के प्रवेश
 की प्रवृत्ति ठस समय नहीं पाई जाती है। जब उद्योग की वर्तमान
 फर्मों को सामान्य लाभ मिल रहे होते हैं। इस अवस्था में
 उद्योग की संतुलन अवस्था कहा जाएगा।

* उद्योग के संतुलन की शर्तें \rightarrow एक उद्योग का विस्तार या संतुलन
 दो प्रकार से हो सकता है: (i) उद्योग की वर्तमान फर्मों अपने
 उत्पादन में वृद्धि या कमी कर दें। (ii) उद्योग में नई फर्मों प्रवेश करने
 तथा पुरानी फर्मों उद्योगों को छोड़ने की प्रवृत्ति प्रकट करें। जब इन दोनों
 अवस्थाओं में परिवर्तन की प्रवृत्ति नहीं पाई जाती तो उद्योग में भी
 परिवर्तन की प्रवृत्ति ही होगी तथा उद्योग संतुलन में होगा।

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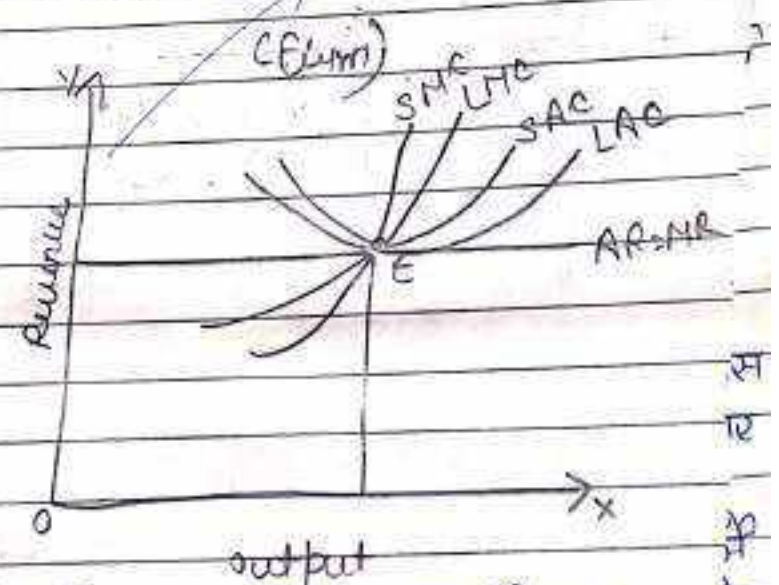
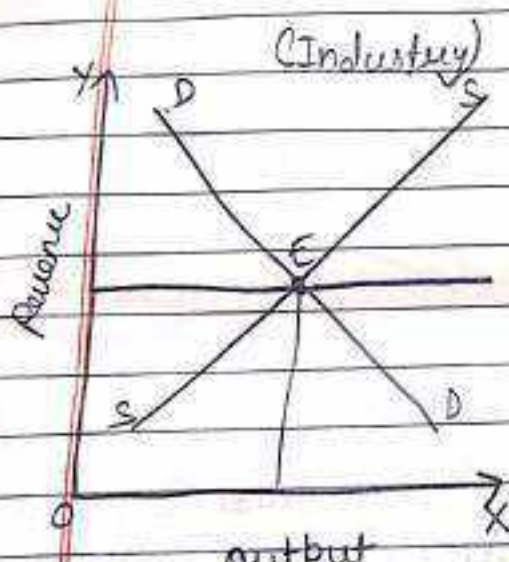
अल्पकाल में उद्योग के संतुलन का निर्धारण - जब उद्योग अल्पकाल में इस कीमत पर संतुलन में होगा जब उद्योग द्वारा उत्पादित वस्तु की मांग तथा पूर्ति बराबर हो जाती है। लेकिन उद्योग के लिए अल्पकाल में पूर्ण संतुलन की स्थिति बहुत कम संभव होती है। पूर्ण संतुलन की स्थिति तो उसी संभव प्राप्त की जा सकती है जबकि समस्त फर्म केवल सामान्य लाभ प्राप्त करती हैं। परंतु अल्पकाल में कुछ फर्म असामान्य लाभ कमा सकती हैं।



चित्र में उद्योग के संतुलन की स्थिति को प्रकट किया गया है। DD उद्योग का मांग वक्र तथा SS उद्योग का पूर्ति वक्र है। ये दोनों बिंदु E पर एक दूसरे को काट रहे हैं। बिंदु E उद्योग के संतुलन को प्रकट कर रहा है। इस बिंदु से जात होता है कि संतुलन कीमत OP तथा संतुलन उत्पादन OQ होगा। परंतु Output उद्योग का यह संतुलन पूर्ण संतुलन नहीं होगा। यदि फर्म असामान्य लाभ प्राप्त कर रही है अथवा हानियां उठा रही हैं। चित्र (B) में (ABCE) फर्म के असामान्य लाभ तथा C में फर्म की हानियां (ERSP) दिखाई गई हैं। दीर्घकाल में जो फर्म हानियां उठा रही हैं वे बंद हो जाएगी। इसके विपरीत जो फर्म

बढ़ाएगी। उद्योग में असामान्य लाभ के आकषण में कर्मों का प्रवेश होगा।

- ★ दीर्घकाल में उद्योग का संतुलन:- दीर्घकाल में उद्योग पूर्ण संतुलन की स्थिति में उस समय होता है जबकि निम्न दो शर्तें होती हैं।
 - उद्योग की प्रत्येक कर्म तथा वितरित रूप से संतुलन में है। उस उत्पादन की मात्रा पर होगा यहां पर सीमांत आय तथा सीमांत लागत बराबर होगी। तथा सीमांत लागत वक्र सीमांत आय वक्र को ठीक संतुलन बिंदु पर नीचे से काटेगी।
 - यह उस समय होगा जब दीर्घकालीन औसत लागत, तथा कीमत बराबर है। इस स्थिति में कर्मों के सामान्य लाभ ही प्राप्त होगा।



चित्र (A) में उद्योग के संतुलन को प्रकट किया गया है। DD उद्योग की मांग वक्र तथा SS प्रति वक्र है। ये दोनों वक्र E बिंदु पर एक दूसरे को काट रहे हैं। E उद्योग का संतुलन बिंदु है। इस बिंदु पर OP संतुलन कीमत निर्धारित होगी। चित्र B में कर्म के संतुलन की स्थिति को प्रकट किया गया है। इसमें ज्ञात होता है कि OP कीमत पर कर्म न्यूनतम लागत पर उत्पादन कर रही है। कर्मों को केवल सामान्य लाभ प्राप्त हो रहे हैं। OP कीमत कर्म संतुलन की अवस्था में है।

NAME - PREETI

CLASS - BSC 3rd YEAR (2023-24)

ROLL-NO - 1211161015012

SUBJECT - MATH'S Assignment

Ques Let $T: U \rightarrow V$ be a homomorphism, then $\text{Ker } T$ is a subspace of U .

Let $T: U \rightarrow V$ be a ^{linear} transformation.

Let $N(T) = \{u \in U : T(u) = 0_V\}$

Obviously, $N(T) \neq \emptyset$. Since $0_U \in N(T)$ such that

$$T(0_U) = 0_V$$

Also, let $u_1, u_2 \in N(T)$ and $a, b \in F$

Then,

$$\begin{aligned} T(au_1 + bu_2) &= aT(u_1) + bT(u_2) \\ &= a \cdot 0_V + b \cdot 0_V \\ &= 0_V + 0_V \\ &= 0_V \end{aligned}$$

$$au_1 + bu_2 \in N(T)$$

Hence $N(T)$ or $\text{Ker } T$ is a subspace of U .

Ques Find the norm of vector $u = (2, -3, 6)$ and normalise their vector

We have

$$\begin{aligned} u &= (2, -3, 6) \\ \|u\|^2 &= \langle u, u \rangle \\ &= (2)^2 + (-3)^2 + (6)^2 \\ &= 4 + 9 + 36 \\ &= 49 \end{aligned}$$

$$\|u\| = \sqrt{49}$$

$$\|u\| = 7$$

The corresponding normalized vector is $\frac{u}{\|u\|} = \left(\frac{2}{7}, \frac{-3}{7}, \frac{6}{7}\right)$.

Ques Let R be the field of real numbers. Check whether $W = \{(x, y, z) : x, y, z \text{ are rational numbers}\}$ is subspace of $V_3(R)$ or not.

Let $W = \{ (x, y, z) : x, y, z \text{ are rational numbers} \}$

Consider an element $u = \{ 2, 3, 6 \}$ of W .

Also let

$$a = \sqrt{2} \in \mathbb{R}$$

then

$$au = \sqrt{2} (2, 3, 6)$$

$$= (2\sqrt{2}, 3\sqrt{2}, 6\sqrt{2})$$

$$\notin W$$

[$\because 2\sqrt{2}, 3\sqrt{2}, 6\sqrt{2}$ are not rational]

$\therefore W$ is not closed under scalar multiplication.

Hence, W is not a subspace of $V_3(\mathbb{R})$

Ques Let $T_1 : \mathbb{R}^3 \rightarrow \mathbb{R}^2$ such that $T_1(x, y, z) = (3x, 4y - z)$, $T_2 : \mathbb{R}^2 \rightarrow \mathbb{R}^2$ such that $T_2(x, y) = (-x, y)$. Compute $T_1 T_2$ and $T_2 T_1$.

The given transformations are.

$$T_1 : \mathbb{R}^3 \rightarrow \mathbb{R}^2$$

$$\text{such that } T_1(x, y, z) = (3x, 4y - z)$$

$$T_2 : \mathbb{R}^2 \rightarrow \mathbb{R}^2$$

$$\text{such that } T_2(x, y) = (-x, y)$$

$$(T_2 T_1)(x, y, z) = T_2(T_1(x, y, z))$$

$$= T_2(3x, 4y - z)$$

$$= (-3x, 4y - z)$$

Note that $T_1 T_2$ is not defined.

[\because Range of T_2 is not a subset of domain of T_1]

Ques Find the matrix representing the transformation

$T : \mathbb{R}^2 \rightarrow \mathbb{R}^3$ given by,

$$T(x, y) = (3x - y, 2x + 4y, 5x - 6y)$$

relative to the standard basis of \mathbb{R}^2 and \mathbb{R}^3

The ordered standard basis of \mathbb{R}^3 is B

$B = \{(1, 0), (0, 1)\}$ and that of R^3 is

$$B' = \{(1, 0, 0), (0, 1, 0), (0, 0, 1)\}$$

$$T(x, y) = (3x - y, 2x + 4y, 5x - 6y)$$

$$T(1, 0) = (3, 2, 5)$$

$$T(0, 1) = (-1, 4, -6)$$

$$T(1, 0) = (3, 2, 5) = 3(1, 0, 0) + 2(0, 1, 0) +$$

$$-1(0, 0, 1)$$

$$T(0, 1) = (-1, 4, -6)$$

$$= -1(1, 0, 0) + 4(0, 1, 0) - 6(0, 0, 1)$$

Hence the matrix of transformation is,

$$\begin{bmatrix} 3 & -1 \\ 2 & 4 \\ 5 & -6 \end{bmatrix}$$

Ques ^{Prove} Show that if two vectors of a vector space $V(F)$ are linearly dependent, then one of them is a scalar multiple to other.

Let $u, v \in V(F)$ be the two linearly dependent vectors. Then by definition, there exists scalars a, b (not both zero) such that

$$au + bv = 0 \quad \text{--- (i)}$$

If $a \neq 0$, then $a^{-1} \in F$ exists

From eq (i) we have

$$au = -bv$$

Pre multiplying by a^{-1} , we have

$$a^{-1}(au) = a^{-1}(-bv)$$

$$(a^{-1}a)u = [a^{-1}(-b)]v$$

$$1 \cdot u = [- (a^{-1}b)]v$$

$$u = \frac{-b}{a} v$$

Q

Thus u is a scalar multiple of v .

Now, let $b \neq 0$ so that $b^{-1} \in F$ exists.

Again from eq (i) we have,

$$bv = -au.$$

Pre-multiplying by b^{-1} , we have,

$$b^{-1}(bv) = b^{-1}(-au)$$

$$(b^{-1}b)v = [b^{-1}(-a)]u$$

$$1 \cdot v = -[b^{-1}a]u$$

$$v = \frac{-a}{b}u$$

Thus v is a scalar multiple of u .

Hence, one of the vectors u and v is a scalar multiple to each other.

Ques Define Rank and nullity of a linear transformation.

Let $T: U \rightarrow V$ be a linear transformation. Then we define the dimension of $R(T)$ as rank of T and denote it by $\rho(T)$. The dimension of $N(T)$ is called the nullity of T and is denoted by $\mu(T)$.

Ques Show that the linear transformation $T: \mathbb{R}^2 \rightarrow \mathbb{R}^3$ defined by $T(x, y) = (x+y, x-y, y)$ is a non-singular. For an arbitrary element $(x, y) \in \mathbb{R}^2$

$$T(x, y) = (0, 0, 0)$$

$$(x+y, x-y, y) = (0, 0, 0)$$

$$x+y=0$$

$$x=0, y=0$$

Thus $(0, 0) \in \mathbb{R}^2$ is the only vector whose image under T is $(0, 0, 0)$ in \mathbb{R}^3 .

Hence by definition T is non-singular.

Ques Prove that $\frac{u}{\|u\|}$ is always a unit vector

Ans b.

We have

$$\left\| \frac{u}{\|u\|} \right\| = \left\| \frac{1}{\|u\|} u \right\|$$

$$= \left\| \frac{1}{\|u\|} \right\| \|u\|$$

$$= \frac{1}{\|u\|} \cdot \|u\|$$

$$= 1$$

Thus $\frac{u}{\|u\|}$ is always a unit vector.

Ques Define non-singular and singular transformation.

Non-singular Transformation-

A linear transformation $T: U \rightarrow V$ is said to be non-singular if only $0 \in U$ maps into $0 \in V$ [i.e. if $0_v \in V$ is the only vector whose image under T is 0]

OR.

A linear transformation $T: U \rightarrow V$ is said to be non-singular if $N(T) = \ker(T) = \{0\}$

Singular Transformation- A linear transformation $T: U \rightarrow V$

is said to be singular iff there exists some non-zero $u \in U$ such that $T(u) = 0$.

Ques Show that any plane passing through the origin is a subspace of \mathbb{R}^3 .

Let $u = (x_1, y_1, z_1)$, $v = (x_2, y_2, z_2)$ be any two elements of W and $\alpha \in \mathbb{R}$.

$$\begin{aligned} \alpha u + v &= \alpha(x_1, y_1, z_1) + (x_2, y_2, z_2) \\ &= (\alpha x_1, \alpha y_1, \alpha z_1) + (x_2, y_2, z_2) \\ &= (\alpha x_1 + x_2, \alpha y_1 + y_2, \alpha z_1 + z_2). \end{aligned} \quad \text{--- (i)}$$

Also,

$$\begin{aligned} \alpha x_1 + b y_1 + c z_1 &= 0 \\ \alpha x_2 + b y_2 + c z_2 &= 0 \\ \alpha(\alpha x_1 + b y_1 + c z_1) + (\alpha x_2 + b y_2 + c z_2) &= 0 \\ \alpha(\alpha x_1 + x_2) + b(\alpha y_1 + y_2) + c(\alpha z_1 + z_2) &= 0. \end{aligned} \quad \text{--- (ii)}$$

From eq (i) and eq (ii) we have that $\alpha u + v \in W$ which shows that $\alpha u + v \in W$.

Thus W is a subspace of V .

Ques State necessary and sufficient condition for a vector space $V(F)$ to be direct sum of its spaces W_1 and W_2 .

The necessary and sufficient conditions for a vector space $V(F)$ to be a direct sum of its subspaces W_1 and W_2 are that

- (i) $V = W_1 + W_2$
- (ii) $W_1 \cap W_2 = \{0\}$.

Ques Find the dimension of the vector space of $\sqrt{2}$ over \mathbb{Q} .

We have

$$\mathbb{Q}(\sqrt{2}) = \{a + b\sqrt{2} : a, b \in \mathbb{Q}\}$$

consider a set,

$$S = \{1, \sqrt{2}\}$$

If $x \in \mathbb{Q}(\sqrt{2})$ is arbitrary, then

$$x = a + b\sqrt{2}$$

$$= 1 \cdot a + b \cdot \sqrt{2}$$

where $a, b \in \mathbb{Q}$ and $\{1, \sqrt{2}\}$ is linearly independent.

thus, S is a basis and $\dim \mathbb{Q}(\sqrt{2}) = 2$.

Ques Define Dual space.

Dual space -

Let V be a vector space over a field F . Then the set V^* of all linear functionals on V is also a vector space over the field F and this vector space V^* is called dual space of V .

i.e. $V^* = \{f : f \text{ is a linear functional from } V \text{ to } F\}$
 $= \{f : f : V \rightarrow F\}$.

Ques. Define Null space of a linear transformation.

Let $T : U \rightarrow V$ be a linear transformation. The null space of T is the subset of U consisting of all vectors u such that $T(u) = 0_V$ and is denoted by $N(T)$ [0_V denotes $0 \in V$].

Ques. Find the co-ordinates of vector $(1, 1, 1)$ relative to basis $(1, 1, 2)$, $(2, 2, 1)$ and $(1, 2, 2)$.

$$\text{Let } (1, 1, 1) = a(1, 1, 2) + b(2, 2, 1) + c(1, 2, 2)$$

$$a + 2b + c = 1 \quad \text{--- (i)}$$

$$a + 2b + 2c = 1 \quad \text{--- (ii)}$$

$$2a + b + 2c = 1 \quad \text{--- (iii)}$$

On solving eqn(i), (ii) and (iii) we have,

$$a = b = \frac{1}{3}, c = 0.$$

Co-ordinates of $(1, 1, 1)$ relative to the given basis are $(\frac{1}{3}, \frac{1}{3}, 0)$.

Ques Define linear dependence and independence of vectors of a set.

Linear dependence. - Let $V(F)$ be a vector space. A set of vectors $\{v_1, v_2, \dots, v_n\} \in V$ is said to be linearly dependent (L.D) if there exist scalars $a_1, a_2, a_3, \dots, a_n \in F$ (not all zero) such that $a_1 v_1 + a_2 v_2 + \dots + a_n v_n = 0$.

Class Linear Independence - Let $V(F)$ be a vector space. A set of vectors $\{v_1, v_2, v_3, \dots, v_n\} \in V$ is said to be linear independence (L.I) if

$$a_1 v_1 + a_2 v_2 + \dots + a_n v_n = 0$$

$$a_i \in F, 1 \leq i \leq n.$$

$$\Rightarrow a_1 = a_2 = \dots = a_n = 0.$$

Ques Define vector space isomorphism.

Let U and V be two vector spaces over the same field F , then a linear transformation $T: U \rightarrow V$ is said to be vector space isomorphism if T is one-one and onto.

Ques Let $T_1: U \rightarrow V$ and $T_2: V \rightarrow W$ be two linear transformation. Prove that $p(T_2 T_1) \leq p(T_2)$.

Obviously $T, T_2 : U \rightarrow W$ is a linear transformation such that,

$$(T_2 T_1)(u) = T_2(T_1(u))$$

Here $p(T_1), p(T_2)$ are dimensions of the range space of T_1 and T_2 respectively.

i.e. $p(T_1) = \dim R(T_1)$ and $p(T_2) = \dim R(T_2)$

$$\begin{aligned} \text{Now } R(T_2 T_1) &= (T_2 T_1)U \\ &= (T_2 T_1)(U) \\ &\subseteq T_2(W) \end{aligned}$$

$$R(T_2 T_1) \subseteq R(T_2)$$

$$\Rightarrow \dim R(T_2 T_1) \leq \dim R(T_2)$$

$$\Rightarrow p(T_2 T_1) \leq p(T_2)$$

Ques Express Vector $(1, 2)$ as a linear combination of vectors $(2, 0)$ and $(1, 3)$

$$\text{Let } v = a v_1 + b v_2$$

$$\text{where } v = (1, 2)$$

$$v_1 = (2, 0) \text{ and } v_2 = (1, 3)$$

$$(1, 2) = a(2, 0) + b(1, 3)$$

$$(1, 2) = (2a, 0) + (b, 3b)$$

Equating the corresponding parts, we have.

$$1 = 2a + b \quad \dots \dots \dots (i)$$

$$2 = 3b$$

$$b = \frac{2}{3}$$

On putting the value of b in eqn(i) we get,

$$1 = 2a + \frac{2}{3}$$

$$1 - \frac{2}{3} = 2a$$

$$\frac{1}{3} = 2a$$

$$a = \frac{1}{6}$$

$$(1, 2) = \frac{1}{6} (2, 0) + \frac{2}{3} (1, 3)$$

Ques Define basis of a vector space.

Let $V(F)$ be a vector space. A subset $S = \{v_1, v_2, \dots, v_n\}$ of V is said to be a basis of V if

- (i) v_1, v_2, \dots, v_n are linearly independent vectors.
- (ii) v_1, v_2, \dots, v_n span V .

Ques Define eigen values and eigen vectors of a linear transformation.

Let T be a linear operator on a vector space $V(F)$ i.e. $T: V \rightarrow V$ is a linear transformation.

If there exists a non-zero vector $v \in V$ such that $T(v) = \lambda v$ for some $\lambda \in F$, then v is called an eigen vector of T and λ is called eigen value of T .

Ques If a set of $(n+1)$ vectors $\{v_1, v_2, \dots, v_n, v\}$ is a linearly dependent and $\{v_1, v_2, v_3, \dots, v_n\}$ is a linearly independent set, then v is a linear combination of the vectors v_1, v_2, \dots, v_n .

If $\{v_1, v_2, \dots, v_n, v\}$ is a linearly dependent set, we have,

$$a_1 v_1 + a_2 v_2 + a_3 v_3 + \dots + a_n v_n + a v = 0 \quad \text{--- (i)}$$

where $a_1, a_2, a_3, \dots, a_n, a$ are not all zero.

Case I: When $a \neq 0$ then from eq (i), we get,

$$v = \left(\frac{-a_1}{a}\right) v_1 + \left(\frac{-a_2}{a}\right) v_2 + \dots + \left(\frac{-a_n}{a}\right) v_n$$

where scalars $(\frac{-a_1}{a}) \cdot (\frac{a_1}{a_2}) \dots \dots \dots (\frac{-a_n}{a})$

are not all zero.

Thus, v is a linear combination of vectors v_1, v_2, \dots, v_n .

Case II: When $a=0$, then from eqn we get,

$$a_1 v_1 + a_2 v_2 + \dots + a_n v_n = 0 \quad \dots \dots (ii)$$

where a_1, a_2, \dots, a_n are not all zero.

Since $[v_1, v_2, \dots, v_n]$ is a linearly independent set of vectors, we get,

$$a_1 = a_2 = \dots = a_n = 0 \text{ which is contra}$$

which is contradicts (ii)

Hence $a \neq 0$ and v is a linear combination of the set of vectors $[v_1, v_2, \dots, v_n]$.

Ques For what value of k will the vector $u = (1, k, 5)$ in $V_3(\mathbb{R})$ be a linear combination of vectors $v = (1, -3, 2)$ and $w = (2, -1, 1)$.

Consider $a_1(1, k, 5) + a_2(1, -3, 2) + a_3(2, -1, 1) = 0$ where a_1, a_2, a_3 are scalars not all zero.

$$a_1 + a_2 + 2a_3 = 0$$

$$ka_1 - 3a_2 + 2a_3 = 0$$

$$5a_1 - a_2 + a_3 = 0$$

$$\begin{vmatrix} 1 & 1 & 5 \\ k & -3 & 2 \\ 5 & -1 & 1 \end{vmatrix} = 0.$$

$$1(-3+2) - 1(k+5) + 2(2k+15) = 0$$

$$-1 - k - 5 + 4k + 30 = 0$$

$$3k + 24 = 0$$

$$3k = -24$$

$$k = -8$$

Ques Prove that the composition of two linear transformation is again a linear transformation.

Let U, V, W be three vector spaces over a field F .

Let $T_1: U \rightarrow V$ and $T_2: V \rightarrow W$ be two linear transformations.

Consider the composition $T_2 T_1: U \rightarrow W$ defined by

$$(T_2 T_1)(u) = T_2(T_1(u))$$

Now, we have to prove that $T_2 T_1$ is a linear transformation.

For any $u, v \in U$ and $a, b \in F$, we have,

$$\begin{aligned} T_2 T_1(au + bv) &= T_2[T_1(au + bv)] \\ &= T_2[aT_1(u) + bT_1(v)] \\ &= aT_2[T_1(u)] + bT_2[T_1(v)] \\ &= aT_2 T_1(u) + bT_2 T_1(v) \end{aligned}$$

Hence $T_2 T_1$ is a linear transformation.

Ques. Show that $T(x_1, x_2, x_3) = x_1^2 + x_2^2 + x_3^2$ is not a linear transformation.

We have

$$T(x_1, x_2, x_3) = x_1^2 + x_2^2 + x_3^2 \quad \text{--- (i)}$$

Let $u = v = (1, 0, 0)$

$$T(u) + T(v) = (1)^2 + (0)^2 + 0 = 2$$

$$T(u+v) = 2 \quad \text{--- (ii)}$$

$$u+v = (1, 0, 0) + (1, 0, 0)$$

$$= (2, 0, 0)$$

Substituting $x_1 = 2, x_2 = 0, x_3 = 0$ in eq (i) we have,

$$T(u+v) = 2^2 + 0 + 0$$

$$T(u+v) = 4 \quad \text{--- (iii)}$$

From eq(ii) and eq(iii) we have,

$$T(u+v) \neq T(u) + T(v)$$

Hence T is not a linear transformation.

Ques Prove that similar matrices have the same characteristic polynomial.

Let A and B be two similar matrices.

Then by definition, there exists a non-singular matrix P such that $A = P^{-1}BP$

Now, characteristic polynomial of A

$$\begin{aligned} A &= |A - \lambda I| \\ &= |P^{-1}BP - \lambda I| \\ &= |P^{-1}(B - \lambda I)P| \\ &= |P^{-1}| |B - \lambda I| |P| \\ &= (P^{-1}) |P| |B - \lambda I| \\ &= |P^{-1}P| |B - \lambda I| \\ &= |I| |B - \lambda I| \\ &= |B - \lambda I| = \text{characteristic polynomial of } B. \end{aligned}$$

Hence A and B have the same characteristic polynomials.

Ques The union of two subspace of a vector space $V(F)$ may not be a subspace of $V(F)$.

Let $W_1 = \{ (x, 0, 0) : x \in F \}$

$W_2 = \{ (0, y, 0) : y \in F \}$

be the subspace of the vector space $V(F)$.

Let $u, v \in W_1 \cup W_2$, so that

at W_1 , $v \in W_2$

$u = (x, 0, 0)$, $v = (0, y, 0)$ where $x, y \in F$.

$W_1 \cup W_2 = \{ \omega; \omega = (x, 0, 0) \text{ or } \omega = (0, y, 0) \text{ for all } x, y \in F \}$

Now $u, v \in W_1 \cup W_2$

$$u + v = (x, 0, 0) + (0, y, 0) \\ = (x, y, 0)$$

We note that $(x, y, 0) \notin W_1$ and W_2 both.

Therefore $u + v \notin W_1 \cup W_2$

$\Rightarrow W_1 \cup W_2$ is not closed under vector addition

Hence $W_1 \cup W_2$ is not a subspace of $V(F)$.

Ques Show that any field forms a vector space over itself.

Let F be any field. Since F is a field, it has two binary operations defined in it, say addition and multiplication such that,

F forms an abelian group with respect to addition.

Properties of scalar multiplication: By the properties of F being a field, we have:

$$a(u+v) = au + av, \text{ for all } a, u, v \in F$$

$$(a+b)u = au + bu, \text{ for all } a, u, b \in F$$

$$a(bu) = (ab)u, \text{ for all } a, b, u \in F$$

Hence F is a vector space over itself.

Ques Let V be the vector space of all square matrices over \mathbb{R} . Determine whether $W = \{A : A \in V \text{ and } A \text{ is singular}\}$ is a subspace or not?

Here W is the set of singular matrices.

Let $A = \begin{bmatrix} 1 & 0 \\ 0 & 0 \end{bmatrix}$ and $B = \begin{bmatrix} 0 & 0 \\ 0 & 1 \end{bmatrix}$ be two square matrices

Since $|A| = 0$ and $|B| = 0$, therefore $A, B \in W$.

If $a, b \in \mathbb{R}$ are non-zero then

$$\begin{aligned}
 aA + bB &= a \begin{bmatrix} 1 & 0 \\ 0 & 0 \end{bmatrix} + b \begin{bmatrix} 0 & 0 \\ 0 & 1 \end{bmatrix} \\
 &= \begin{bmatrix} a & 0 \\ 0 & 0 \end{bmatrix} + \begin{bmatrix} 0 & 0 \\ 0 & b \end{bmatrix} \\
 &= \begin{bmatrix} a & 0 \\ 0 & b \end{bmatrix}
 \end{aligned}$$

Also $|aA + bB| = \begin{vmatrix} a & 0 \\ 0 & b \end{vmatrix} = ab \neq 0$ as none of a, b is zero.

$aA + bB \notin W$

Thus W is not a subspace V .

Ques Write the linear transformation corresponding to the matrix $T: \mathbb{R}^3 \rightarrow \mathbb{R}^3$

$$\begin{bmatrix} 1 & 2 & -3 \\ 0 & 1 & 1 \\ 1 & 0 & -1 \end{bmatrix}$$

let for $(x_1, x_2, x_3), (y_1, y_2, y_3) \in \mathbb{R}^3$

$$T(x_1, x_2, x_3) = (y_1, y_2, y_3)$$

$$T(x) = y$$

$$y = Ax$$

$$\begin{bmatrix} y_1 \\ y_2 \\ y_3 \end{bmatrix} = \begin{bmatrix} 1 & 2 & -3 \\ 0 & 1 & 1 \\ 1 & 0 & -1 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix}$$

$$\begin{bmatrix} y_1 \\ y_2 \\ y_3 \end{bmatrix} = \begin{bmatrix} x_1 + 2x_2 - 3x_3 \\ x_2 + x_3 \\ x_1 - x_3 \end{bmatrix}$$

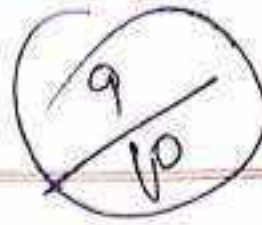
$$y_1 = x_1 + 2x_2 - 3x_3$$

$$y_2 = x_2 + x_3$$

$$y_3 = x_1 - x_3$$

The required transformation is,

$$T(x_1, x_2, x_3) = (x_1 + 2x_2 - 3x_3, x_2 + x_3, x_1 - x_3)$$



Name - Arpita
Class - B.com Final
Rollno - 06
Subject - Income Tax

Rebate and Relief of Tax

* Rebate of tax :- When in the total income of an assessee such income is included on which tax had already been paid, then from the amount of tax on total income some deduction is allowed to him. It is known as a rebate of tax. In this connection the provisions of the income tax Act are as under.

▶ Rebate of tax to a member of an Association of person or Body of individual :-



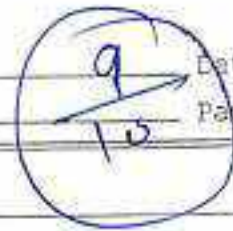
Name \Rightarrow Manisha Vishwakarma
 Class \Rightarrow B.Com final
 Roll no \Rightarrow 55
 Subject \Rightarrow Income tax

Rebate and Relief of Tax

* Rebate of tax :- When is the total income of an assessee such income is included on which tax had already been paid then from the amount of tax on total income some deduction is allowed to him it is known as a rebate of tax. In this connection the provisions of the income tax Act are as under.

* Rebate of tax to a member of an Association of Person or Body of individual :-

When AOP or BOI means Association of Person or Body of individual has paid tax on its total income at normal



Name - Manisha
 Class - B. Com IInd year
 Roll no. - 6
 Subject - Secretarial Practice
 Semester - IVth
 Assignment - I
 Topic - Company Secretary

⇒ कम्पनी सचिव ⇒ Company Secretary

⇒ सचिव का अर्थ ⇒ (Meaning of Secretary) =

अंग्रेजी शब्द सैक्रेटरी की उच्चारण लैटिन भाषा के 'सैक्रेटरियस' शब्द से हुई है, जिसका अर्थ है 'लेखित पत्रों का प्रमाणित करने वाला अधिकारी'। विश्वस्त अधिकारी। प्रारम्भ में यह शब्द केवल उन व्यक्तियों के लिये प्रयोग किया जाता था जो कि राजाओं का पत्र-व्यवहार करते थे। धीरे-धीरे इसके प्रयोग का क्षेत्र बढ़ता गया तथा अनेक संस्थाओं, व्यक्तियों एवं सरकार द्वारा सचिव की नियुक्ति की जाने लगी।

⇒ कम्पनी सचिव की परिभाषा ⇒ (Definition of a Company Secretary)

भारतीय कम्पनी संगठित अधिनियम, 1974 की धारा 2 (45) के अनुसार "सचिव से तात्पर्य निम्नलिखित शक्तियों प्राप्त एक व्यक्ति से है जो इस अधिनियम के अधीन सचिव के लिये नियुक्त तथा अन्य कार्यसिद्ध

Topic _____

Date _____

8
10

NAME - CHARU

CLASS - B. COM 3rd YEAR

ROLL NO. - 108

SUBJECT - COST ACCOUNTING

active



Planning

MEANING OF PLANNING

Planning forms that part of management which lays down the objectives and various activities to be done for the attainment of those objectives.

Under this it is decided - what is to be done? How is it to be done? when is to be done and by whom is to be done? Deciding about all these things is called Planning.

PLANNING PROCESS

The important steps of the Planning Process in management include:

1. Having Perception of opportunity

This is the Pre-step of the Planning process. It is vital to create an effective Plan. The management must do a SWOT analysis of the changing business environment.

The internal environment of the organization determines the organization's strengths and limitations, such as the availability of resources, machinery, labor, organizational structure, etc.

Name - Kirti

Class - B.Sc 1st Year (2nd Sem)

Roll No - 1230672003

Subject - English

Ans:1 - C.E.M Joad choose our civilization for its praise because in our civilization nobody's feel insecure. All people of our civilization feels secure due to its order and safety. Nobody is robbed because he is physical weak. He take help from the orders. Due to rules and orders, robbery is not happening. That's not mean that robbers are not exist. They exists but when they caught by police they will be beaten and put into the jail. So, in our civilization people feels very secure due to orders and safety. An another reason is that, in our civilization not any fear of war. United kingdom like authorities are made to reduce war. We can submit our complains to that authorities. In our civilization, whole world are like a unit. Whole world are used to exchange materials, things and eating products to each other. From other countries we import things which we have to used and we export many things to other countries. In our civilization, nobody is judged by its caste and religion. All peoples are treated equally.

And In our civilization, peoples live a life of good health due to science technology. Scientists and doctor found many medicines and treatments due to which, All peoples live a life of good health and live a life of more comfort and lives longer from our past generation due to all these aspects of our civilization C.E.M. Joad don't choose our civilization for its praise.

Ans 2- The major defects of our civilization according to C.E.M. Joad is that we does not take anything seriously. we made United Kingdom after world war-I due to which we stop wars and we discuss our complaints in these authorities. But the authority does not work successfully that we have want. This happening of world war-II. After world war-II we made an another authority to register our complaints but also this authority does not work properly and after world war-II, palestine world war was happened. we are not able to make any other authority like this which we want. An another defect is that due to science we are able to make many machines but now these machines are used for wars. Many companies are open to make machines for wars. In our

country, so many companies opened for making com. things and machines for war. Due to science, we make atom bombs of hydrogen gas. If world war III is ever happened, peoples make too much bombs. whole country will destroyed by these bombs. In our civilization, we has dependent on machines. we never think to do work without machines. These are the major defects of our civilization according to C.E.M. Joad.

Ans: 3. Rote learning is that Nankar said that if any student want him autograph, they will send a letter to him and ask a question to him. He will give him answer and by this, they will get an autograph. The major advantage of rote learning is that students encourage curiosity, creativity and originality in our education. Because in India schools, never a student ask any questions to teachers regarding to their studies because in an class, teacher uses writing skill to learn students. Teacher does not able to give attention to every particular students and explain it whole contents and ask and answer all the questions of students because in a class there is a lot of no. of students study together.

But one day Narlikar received 50 letters from a same class of a same school. Teachers does not clear students doubt they says that ask to Narlikar, and teachers also give questions to students to ask to Narlikar. So, Narlikar feels wrong with it. He thinks that due to this method, students does not curious and creative to their studies and also teacher does not made efforts for their students. Narlikar thinks to cancel this scheme because it does not works as Narlikar wants.

Ans. 4- Acco. to Narlikar, our school education system is not good. In this, the students never clears their doubts and never asks any doubts to their teacher regarding to their studies. In our schools, all classes are full by students and they have a lot of syllabus. So, they does not able to take every students doubts and clear their doubts. Also in many schools, teachers and students either does not able to complete their syllabus. Doubts are very far away from him. In our schools, teacher does not focus on ~~the~~ students learning. They only focus on textbook learning. The author also realise this think. When the author

BSc 1st Year
(2nd sem.)

Subject - English

was in 10th class. He made a short form of Pythagoras theorem. But his teacher does not gave him full marks because he says that in our textbook this method is not applied and you must used the method which our textbook applied so. After giving his lessons to students, he said that if anyone wants their autograph, they will send a letter, card to him and also ask a question to him. He will answer their question and by this way, they get their autograph. But this method does not works. One day he received 50 cards from a same class of same school. Teachers does not answers student question they, only says that asks questions to Navlikar. So, Navlikar feels upset after receiving this cards, that his idea of encourage curiosity, creativity and originally in our education system does not works.

7. Apartheid is discrimination b/w white and black peoples. In Africa there is a discrimination b/w peoples. Dr Bernard's does not like this kind of discrimination. Because his neighbours are blacks and they come to their houses, talks to him and also drunk tea, coffee with him and his father does not like him.

neighbours to come to their home because of apartheid.

Peoples of society says that when black people take care of white peoples, they cooks foods, prepared teas for them but after eating food and teas, ^{when} white peoples become ill why black nurses and doctors does not allowed to operate them. Also blacks peoples are not allowed to stay in operation rooms. Only white peoples are allowed to do operations of white people and give medicines to them. Dr Bernard's does not have any words to say about the apartheid.

There is a lot of discrimination in society between black and white peoples. Black peoples are separately lives in another corner of city and white peoples are used to live in another sides. In white peoples house or society, Black peoples are not allowed to come. A Black people also does not make friend of white people. So, In the society of Africa. The apartheid is a major discrimination between white and black peoples.

M. J.

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Class - B.A. 2nd yr
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Class Test
4/5/20
Date: / /

Q. 1) रीतिमुक्त काव्य की विशेषताओं पर प्रकाश डालिए।
रीतिकाल में रीतिबद्ध काव्य रचना की प्रवृत्ति निरन्तर चलवती होती जा रही थी लेकिन इसी काल में रीतिमुक्त काव्यों की रचना की काफी दुर्र है। इस काल में कुछ ऐसे ही कवि हुए हैं, जिन्होंने रीति के बन्धन से मुक्त होकर साहित्य की सृष्टि की। इस प्रकार के कवियों के काव्य के मूल में "स्वान्त सुखाय" की प्रेरणा कार्य कर रही थी।

(i) रीतिमुक्त काव्य - परम्परा - रीतिकालीन रीति-परम्परा की साहित्यिक रूढ़ियों तथा नियमों से मुक्त काव्य रचना करने वाले कवियों को (रीतिमुक्त) 'मुक्त रीति' कवि कहा जाता है। इस धारा के कवियों की संख्या पचास के लगभग है। कुछ विद्वानों ने विषय की विविधता और अध्ययन की सुविधा से इनको चार प्रमुख वर्गों में बांटा है - स्वच्छन्द प्रेम के कवि, वीर रस के कवि मुक्त कवि और नीति कवि।

(ii) स्वच्छन्द एवं उन्मुक्त प्रेम का वर्णन - इन कवियों द्वारा चित्रित प्रेम स्वच्छन्द एवं उन्मुक्त है। इसमें कवि के हृदय का स्पन्दन है। इन कवियों के प्रेम में कहीं पर भी बनावट, दुराव, अधवा, दिखाव नहीं है। रीतिबद्ध कवियों के समान इन कवियों की लक्षण ग्रन्थों की रूढ़ियों या परम्पराओं का नहीं लिया।

(iii) उदात्त शृंगारी वृत्ति :

इन कवियों का शृंगार वर्णन और उदात्त शृंगार स्वभाविक वर्णन है। इनका शृंगार रसिकता का पर्याय न होकर प्रेम का पर्याय है। इनके शृंगार वर्णन में सम्मोहन व विभोग दोनों का सुंदर एवं स्वाभाविक वर्णन हुआ है।

(iv) प्रकृति वर्णन :

इन कवियों द्वारा प्रकृति का वर्णन सजीव नहीं बन पाया। इन्होंने अधिकतर प्रकृति के उद्दीपन रूप को अपनाया है। सेनापति का प्रकृति वर्णन कुछ स्थलों पर मुक्त विश्वाह देता है। इस प्रकार विजयदेव ने भी प्रकृति का स्वच्छन्द एवं स्वतंत्र वर्णन किया है।

(v) धामिनी का स्वरूप :

रीतिमुक्त कवियों की रचनाओं में प्रेम-शृंगार के अनिरीकृत राधा-कृष्ण की लीलाओं का जो उन्मुक्त चित्रण मिलता है, उस धारा के कवियों ने राधा-कृष्ण के समुण और लीलाओं को काव्य का विषय बनाया है।

(vi) स्वानुभूति का वर्णन :

रीतिमुक्त कवि प्रेमोन्मत्त होकर काव्य रचना करते थे। इनके काव्य में हृदय तन्त्र की प्रधानता है। इन कवियों का प्रेरण-स्रोत उनका अपना जीवन था। इनके काव्य में हृदय तन्त्र की प्रधानता है।

(viii) लोक जीवन की अभिव्यक्ति:

शीतिमुक्त कवियों ने देश के अजनब स्वतंत्रतापूर्वक अपने काव्य में स्थान दिया। ठाकुर ने अश्लील, गानगौर होली आदि के आवुक विन आंकिर किए हैं, नरोत्तमदास ने उस समय के दिन-हीन भारत की दशा का मार्मिक वर्णन किया है।

(viii) वीर रस की प्रधानता:

शीतिमुक्त कवियों - आलम, घनानंद, सिध्दान्त, ठाकुर, लाल आदि ने वीर रस प्रधान कविताएँ भी लिखी हैं। इन कवियों ने उस समय के हिन्दु शासकों की प्रशंसा से काव्य लिखा और उस सत्ता अन्याचार करने वाले मुस्लिमान शासकों के विरुद्ध नृत्कापीन शब्दों को असाहित किया।

(ix) व्यवहार और नीति का निरूपण:

शीतिमुक्त काव्य में वे सब कवि भी आते हैं, जिन्होंने व्यवहार और नीति संबंधी काव्य रचना की है। इन कवियों में बृन्द, गिरधर दास, दीनदयाल आदि के नाम गिनवाए जाते हैं।

(x) सूफ़ी एवं फारसी भाव:

सूफ़ी दर्शन की प्रेम-भावना और अचलु विरह भावना शीतिमुक्त कवियों में विशेष रूप से देखने को मिलती है, लेकिन यहाँ पर यह भी ध्यान देने योग्य बात है कि सूफ़ी धारा का प्रेम-सम्बन्धी प्रभाव ही इन कवियों को प्रिय था और इसे इन कवियों ने स्वीकार किया।

: कला, कविता, कविता के अर्थ और महत्त्व

xii)

कला पक्ष :
शीतकालीन कवियों ने भी प्रायः वज्र भाषा का अफलतापूर्वक प्रयोग किया है। इनकी भाषा में सरसता, कोमलता व नवीनता है, इन्होंने वज्र भाषा में प्रचलित मुहावरों, लोकोत्थियों के साथ-साथ उगने बचिये का भी सुंदर प्रयोग किया है।

(2)

शीतकालीन काव्य की प्रमुख विशेषताएँ :
जिसे मिश्र कण्ठों ने उत्तर मध्यकाल कहा है। वही आज शीतकाल के नाम से जाना जाता है। इसका समय सम्वत् 1700 से सम्वत् 1900 तक निर्धारित किया गया। इस समय कवि प्रायः दरबारी कवि थे अतः उनकी मूल मजिदुनी थी। इसका खाना उसी का गाना था। कवि स्वामीनः मुख्याय काव्य रचना कर रहे थे।

(3)

लक्षण ग्रंथों का निर्माण :
संस्कृत साहित्य का अनुसरण करते हुए, शीतकाल के आधिकारिक कवियों ने लक्षण ग्रंथ लिखा। अन्य कवियों ने पहले रस, अलंकार, नायिका, भेद आदि के उदाहरण देते हुए काव्य रचना लिखी।
चिन्तामणि, ध्रुवण, देव, विश्वारीवाक आदि ने शीत-ग्रंथों की ही रचना की है।

- (2) शृंगार निरूपण : शृंगार वर्णन शीति-काल का प्रमुख प्रतिपाद्य है। इस काल में आम्निकाल के राधा-कृष्ण शृंगारी कवियों के हाथों में फूट कर साधारण विलासी नायक-नायिका मार जगकर रह गए, तत्कालीन कालों में शृंगार रस रस रस रस के रूप में प्रचलित था। तत्कालीन कवियों में शृंगार के संयोग पद का अधिक वर्णन किया है।
- (3) अंलकार प्रयोग एवं चमत्कार वर्णन : शीति युग में चमत्कार वर्णन द्वारा श्रोता को प्रभावित करने का प्रयास किया जाता है। विलासी राजाओं और सामन्तों के : मनोरंजन के लिए कवियों ने कल्पना को उड़ान, वाग, वैदग्ध्य, चमत्कार, प्रियता आदि का सहारा मिला।
- (4) प्रकृति वर्णन : शीति-काल में प्रकृति का चित्रण आलम्बन और उद्दीपन दोनों रूपों में हुआ है। यह प्रकृति-चित्रण नायक, नायिका की मनोदशा के अनुकूल हुआ है। संयोग दशा में अगर प्रकृति का अनुपकारी रूप है तो वियोगावस्था में इस उपलब्ध करने वाला रूप है।
- (5) नारी का कामुख वर्णन : शीतिकाल कवियों की दृष्टि में नारी एकमात्र कोमल-विलास की वस्तु है। उनके सामने नारी का प्रेमिका और विलासीनी रूप ही प्रधान था, ये लोग नारी के शारीरिक सौंदर्य का ही वर्णन करते रहे।

6. **भक्ति और नीति :**
 शैतिकाल में भक्ति और नीति सम्बन्धी रचनाओं की भी कमी नहीं है। राम, दुर्गा, छीन, गंगा, राधा - कृष्ण आदि देवी-देवता की स्तुति मात्र से ही गई है।
7. **वीर काव्य का निर्माण :**
 वीर काव्य इस काल की एक आलग प्रकृति है। वीर काव्यकारों के प्रमुख काव्य कृषण हैं। कृषण ने शिवाजी और छत्रसाल को काव्य नायक बनाकर उनकी वीरता का उजसवी भाषा में वर्णन किया।
8. **काव्य रूप :**
 दरबारी बाहवाही प्राप्त करने के लिए शैतिकारों ने मुसक काव्य रूप को ही प्रधानता दी। राज दरबार में प्रत्येक काव्य अपने आपको श्रेष्ठ सिद्ध करने हेतु होड़ में मुक्तकों का प्रयोग कर रहे थे।
9. **वृज भाषा की प्रधानता :**
 इस काल की प्रमुख भाषा साहित्यिक वृज भाषा थी, अलंकारप्रिय होने से शायद कवियों ने वृज भाषा को ही चुना। निःसन्देह वृज भाषा ही मधुर और कोमल रसों की अभिव्यक्त करने में समर्थ थी।

Name: Neha

Roll No: 20023

Subject: Economics

Class: B.A 2nd year

Section B

- Ques 1: critical explain psychological law of consumption?
- Ques 2: what is national income, explain methods and problem of national income.
- Ques 3: what is investment multiplier, explain processes & leakages.
- Ques 4: what is fiscal policy. Explain effect of change in government expenditure and taxes on GDP equilibrium.

Answer

Ques 1: National income: National income refers to the sum of total income of all factors rent, profit, entrepreneurship, it is rendering for factors and services of whole national.

© Methods of measurement of national income: National income can be measured by following three methods:

1. Product method or expenditure method.
2. Income method.
3. Expenditure method.

1. Product method or value added method: Product method is also known as value added method or industrial origin method.

According to central statistical organisation, it is estimating by including the market value of final goods and intermediate goods. Intermediate are those goods which are used as raw material for other material and final goods are those goods which are being prepared to come in use finally, for e.g.: A shopkeeper buys wheat of ₹ 300. He sells the flour of wheat to the baker's mill at ₹ 400. The baker used it to make biscuits. Hence, biscuits are final goods and wheat flour is intermediate goods. Because of intermediate and final goods, nation faces a problem of double counting.

Double counting: Double counting is defined as when the market value of intermediate goods and services are both counted at the same time, ^{causes} errors in the national income.

Value addition:- value addition is the excess of value of output of a firm over and above the value of intermediate goods used in the production.

According to Baekstrom,

Income method: income method measures national income as the sum of total income received as rewards, for rendering services. Broadly, it includes the wages as rewards for labour, rent as ^{profit} reward for land, interest as reward for capital, and entrepreneurship as reward for entrepreneurship.

→ Components of national income:-

- (i) wages or compensation of employees: According to CSO, the wages or compensation of employees is known as the employees' ^{got} rewards in the exchanges of services.
- (ii) Rent?

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Date _____

Name: FKda
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 Date: 6/April/2024
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Q2 @

$$1^p + \left(\frac{1}{2}\right)^p + \left(\frac{1 \cdot 3}{2 \cdot 4}\right)^p + \dots + \left(\frac{1 \cdot 3 \cdot 5}{2 \cdot 4 \cdot 6}\right)^p + \dots$$

Solution

The given series is

$$1^p + \left(\frac{1}{2}\right)^p + \left(\frac{1 \cdot 3}{2 \cdot 4}\right)^p + \left(\frac{1 \cdot 3 \cdot 5}{2 \cdot 4 \cdot 6}\right)^p + \dots$$

Neglecting the first term,

$$a_n = \left(\frac{1 \cdot 3 \cdot 5 \dots (2n-1)}{2 \cdot 4 \cdot 6 \dots 2n}\right)^p \quad \text{--- (1)}$$

$$a_{n+1} = \left(\frac{1 \cdot 3 \cdot 5 \dots (2n-1) \cdot (2n+1)}{2 \cdot 4 \cdot 6 \dots (2n)(2n+2)}\right)^p \quad \text{--- (2)}$$

Now dividing (1) and (2)

$$\frac{a_n}{a_{n+1}} = \left(\frac{(2n-1)/(2n)}{(2n-1)(2n+1)/(2n)(2n+2)}\right)^p$$

$$\frac{a_n}{a_{n+1}} = \left(\frac{2n+2}{2n+1}\right)^p$$

$$\frac{a_n}{a_{n+1}} = \left[\frac{2n(1/n+1)}{2n(1/n+1/2)}\right]^p$$

$$\frac{a_n}{a_{n+1}} = \left(\frac{1 + 1/n}{1 + 1/2n} \right)^p$$

$$\lim_{n \rightarrow \infty} \left(\frac{1 + 1/n}{1 + 1/2n} \right)^p = 1$$

But this is not applicable by the D'Albert rule.

Now,

$$\Rightarrow \left(1 + \frac{1}{n} \right)^p \left(1 + \frac{1}{2n} \right)^{-p}$$

$$\Rightarrow \left[1 + \frac{p}{n} + \frac{p(p-1)}{(n^2) 2!} \dots \right]$$

$$\left[1 - \frac{p}{2n} + \frac{p(p-1)}{(4n^2) 2!} \dots \right]$$

By Gauss test

$$\Rightarrow \left[1 + \frac{p}{n} - \frac{p}{2n} + o\left(\frac{1}{n^{s+1}}\right) \right]$$

$$\Rightarrow \left[1 + \frac{p}{2n} + o\left(\frac{1}{n^{s+1}}\right) \right]$$

where $o\left(\frac{1}{n^{s+1}}\right)$ is stands for higher value of n .

By Gauss test, $p/2 > 1$ is convergent
 $p > 2$ " convergent

$p/2 \leq 1$ is divergent
 $p \leq 2$ is divergent

$$Q7 \quad (b) \quad (x^2-1) \frac{d^2y}{dx^2} + x \frac{dy}{dx} - y = 0 \quad \text{--- (1)}$$

dividing (1) by (x^2-1)

$$\frac{d^2y}{dx^2} + \left(\frac{x}{x^2-1} \right) \frac{dy}{dx} - \frac{y}{(x^2-1)} = 0 \quad \text{--- (2)}$$

comparing (2) eqⁿ by

$$\frac{d^2y}{dx^2} + P(x) \frac{dy}{dx} + Q(x) y = 0$$

where, $P(x) = \frac{x}{x^2-1}$

$Q(x) = \frac{-1}{x^2-1}$

At point 0, Both $P(x)$ and $Q(x)$ are analytic.

Now, at point $x=1$

$$(x-1) P(x) = \frac{x}{(x^2-1)} (x-1)$$

$$(x-1) P(x) = \frac{x}{x+1} \quad \text{--- (3)}$$

$$(x-1) Q(x) = (x-1) \left(\frac{-1}{x^2-1} \right)$$

$$\frac{(x-1)(-1)}{(x-1)(x+1)}$$

$$a(x) = \frac{-1}{x+1}$$

Both are the analytic at point 1.

Hence, $x=0$ is an ordinary point
But $x=1$ is a regular singular point

(e) The inverse / reciprocal of a number N $\left\{ \frac{1}{x} - N \right\}$ which is by

the Newton-Raphson method.

By Newton-Raphson method

$$f(x) = \frac{1}{x} - N \quad \text{--- (1)}$$

$$f'(x) = -\frac{1}{x^2} \quad \text{--- (2)}$$

Now,

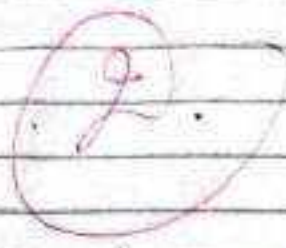
According to formula,

$$x_{i+1} = x_i - \frac{f(x)}{f'(x)}$$

put value from (1) and (2)

$$x_{i+1} = x_i - \left(\frac{1/x_i - N}{-1/x_i^2} \right)$$

$$x_{i+1} = x_i - (-x_i + Nx_i^3)$$



$$x_{i+1} = x_i - (x_i^3 - Nx_i^3)$$

$$x_{i+1} = x_i + x_i^3 - Nx_i^3$$

$$x_{i+1} = x_i (2 - Nx_i^2)$$

(1) Descartes's rule of signs :-

In the given polynomial,

→ The number of positive roots cannot exceed the number of change of sign of roots of coefficient $f(x)$

→ The number of negative roots cannot exceed the number of change of sign of roots coefficient in $f(x)$

- This is known as the Descartes rule of signs.

$$(a) \sum_{n=1}^{\infty} (-1)^{n-1} \frac{1}{n}$$

$$a_n = \sum_{n=1}^{\infty} (-1)^{n-1} \frac{1}{n}$$

$$= \sum_{n=1}^{\infty} (-1)^{n-1} b \quad \text{where}$$

$$b = 1/n$$

$$\Rightarrow \sum_{n=1}^{\infty} (-1)^{(n-1)} b$$

$$\Rightarrow \lim_{n \rightarrow \infty} b = \lim_{n \rightarrow \infty} 1/n$$

put limit

$$\lim_{n \rightarrow \infty} 1/\infty = 0$$

$$\Rightarrow \begin{array}{l} n < n+1 \quad \text{for all } n \\ \frac{1}{n} > \frac{1}{n+1} \quad \text{for all } n \end{array}$$

$$b > b_{n+1} \quad \text{for all } n$$

as we know that $b = 1/n$

Hence ; by the Leibnitz test,

$$\sum_{n=1}^{\infty} (-1)^{n-1} \frac{1}{n} \quad \text{is a convergent}$$

and the absolute convergence of given infinite series.

$$\textcircled{c} \quad \frac{d}{dx} (x^n J_n(x)) = x^n J_{n-1}(x)$$

$$\text{Solution} \quad \frac{d}{dx} x^n \left[\sum_{r=0}^{\infty} \frac{(-1)^r}{r!} \frac{1}{\Gamma(n+r+1)} \left(\frac{x}{2}\right)^{n+2r} \right]$$

$$\frac{d}{dx} \left[\sum_{r=0}^{\infty} \frac{(-1)^r}{r!} \frac{1}{\Gamma(n+r+1)} \left(\frac{x}{2}\right)^{2n+2r} \right]$$

$$\frac{d}{dx} \left[\sum_{r=0}^{\infty} \frac{(-1)^r}{r!} \left(\frac{1}{\Gamma(n+r+1)}\right) \left(\frac{x^{2n+2r}}{2^{n+2r}}\right) \right]$$

$$\sum_{r=0}^{\infty} \frac{(-1)^r}{r!} \left(\frac{1}{\Gamma(n+r+1)}\right) (2n+2r) \cdot \frac{x^{2n+2r-1}}{2^{n+2r}}$$

$$\sum_{r=0}^{\infty} \left[\frac{(-1)^r}{r!} \left(\frac{1}{(n+r)\Gamma(n+r)}\right) (n+r)(2) \frac{x^{2n+2r-1}}{2^{n+2r}} \right]$$

$$\sum_{r=0}^{\infty} \left[\frac{(-1)^r}{r!} \left(\frac{1}{\Gamma(n+r)}\right) (2) \left(\frac{x^{2n+2r-1}}{2^{n+2r}}\right) \right]$$

$$\sum_{r=0}^{\infty} \left[\frac{(-1)^r}{r!} \left(\frac{1}{\Gamma(n+r+1-1)}\right) \left(\frac{x^{2n+2r-1}}{2^{n+2r-1}}\right) \right]$$

$$x^n \sum_{r=0}^{\infty} \left[\frac{(-1)^r}{r!} \left(\frac{1}{\Gamma(n+r+1-1)}\right) \left(\frac{x^{2n+2r-1}}{2^{n+2r-1}}\right) \right]$$

Hence proved.

$$\frac{d}{dx} \left(x^n J_n(x) \right) = x^n J_{n-1}(x)$$

Q6 (b)

$$\begin{aligned} 10x + 2y - 2z &= 6 \\ -x + 10y - 2z &= 7 \\ -x - y + 10z &= 8 \end{aligned}$$

By relaxation method,

$$R_1 = 6 - 10x + 2y + 2z \quad \text{--- (1)}$$

$$R_2 = 7 + x - 10y + 2z \quad \text{--- (2)}$$

$$R_3 = 8 + x + y - 10z \quad \text{--- (3)}$$

The operation table,

	SR_1	SR_2	SR_3
$Sx_1 = 1$	-10	1	1
$Sy_1 = 1$	2	-10	1
$Sz_1 = 1$	2	2	-10

Rough

$$\frac{P}{n} - \frac{P}{2n} = \frac{P(2n - n)}{2n^2} = \frac{Pn}{2n^2} = \frac{P}{2n}$$

$$(2n + 1) \cdot 2n \left(1 + \frac{1}{2n} \right)$$

put $x = y = z = 0$
Then value of x, y, z is

$$x = 6$$
$$y = 7$$
$$z = 8$$

$\begin{matrix} \rightarrow \\ \downarrow \end{matrix}$	x	y	z
	6	7	8
$S_z = 1$	8	9	19
$S_y = 1$	10	-1	-1
$S_x = 1$	0	0	0

Step 1 put $x, y, z = 0$
the value of x, y, z is 6, 7, 8 respectively.

Step 2 slot the greater one and apply function along it.
put $S_z = 1$ then operation is applicable

Step 3 choose greater one which is 9 and operation along $S_y = 1$

Step 4 greater one is 10 and operation along $S_x = 1$

Answer is $\left\{ \begin{matrix} x = 1 \\ y = 1 \\ z = 1 \end{matrix} \right\}$

Q4 (a)

$$\frac{d^2y}{dx^2} + \frac{1}{x} \frac{dy}{dx} + 4 \left(\frac{x^2 - n^2}{x^2} \right) y = 0$$

$$x^2 \frac{d^2y}{dx^2} + (x) \frac{dy}{dx} + 4(x^2 - n^2)y = 0$$

The equation is

$$x^2 \frac{d^2y}{dx^2} + (x) \frac{dy}{dx} + 4(x^2 - n^2)y = 0$$

$$\text{put } x^2 = t \quad \text{--- (1)}$$

$$\frac{dx}{dt} = \frac{dt}{dx}$$

$$2\sqrt{t} = \frac{dt}{dx} \quad \text{--- (2)}$$

$$\frac{dy}{dx} = \frac{dy}{dt} \cdot \frac{dt}{dx}$$

$$= \frac{dy}{dt} \cdot 2\sqrt{t} \quad \text{--- (3)}$$

$$\frac{d^2y}{dx^2} = \frac{dy}{dt} \cdot \frac{2}{2\sqrt{t}} \frac{dt}{dx} +$$

$$2\sqrt{t} \frac{d^2y}{dt^2} \frac{dt}{dx}$$

put value of $\frac{dt}{dx}$ from (2) eqⁿ

$$0 \quad \frac{d^2y}{dx^2} = \frac{dy}{dt} \cdot \frac{1}{\sqrt{x}} (2\sqrt{x}) + (2\sqrt{x}) \left(\frac{d^2y}{dt^2} \right)$$

$$\frac{d^2y}{dx^2} = 2 \frac{dy}{dt} + 4x \frac{d^2y}{dt^2} \quad \text{--- (4)}$$

from (1), (2), (3), (4)

put value in the given equation.

$$\Rightarrow \frac{1}{\sqrt{x}} \left(2 \frac{dy}{dt} + 4x \frac{d^2y}{dt^2} \right) + \sqrt{x} (2\sqrt{x}) \frac{dy}{dt} +$$

$$4(x^4 - n^2)y = 0$$

$$\Rightarrow 4x \frac{dy}{dt} + 4x \frac{d^2y}{dt^2} + 4(x^4 - n^2)y = 0$$

$$\frac{1}{x} \frac{dy}{dt} + \frac{dy}{dt} + 4(x^4 - n^2)y = 0$$

"This is the Bessel's function"

$$y = c_1 J_n(x) + c_2 Y_n(x)$$

$$y = c_1 J_n(x) + c_2 x_n(x)$$

Now, according to given equation.

$$y = c_1 J_n(x^2) + c_2 Y_n(x^2)$$

$$y = c_1 J_n(x^2) + c_2 Y_n(x^2)$$

which is a solution of the given eqn
in term of Bessel's function.

Q1 (b) $\sum_{n=1}^{\infty} \frac{1}{n^p} = 1 + \frac{1}{1^p} + \frac{1}{2^p} + \frac{1}{3^p} + \dots$

if $p > 1$, it is convergent
 $p \leq 1$, it is divergent

case 1 $p > 1$, then it is convergent

$$\frac{1}{1^p} = 1$$

$$\frac{1}{2^p} + \frac{1}{3^p} < \frac{1}{2^p} + \frac{1}{2^p} = \frac{1}{2^{p-1}}$$

$$\frac{1}{4^p} + \frac{1}{5^p} + \frac{1}{6^p} + \frac{1}{7^p} < \frac{1}{4^p} + \frac{1}{4^p} + \frac{1}{4^p} + \frac{1}{4^p}$$

$$< \frac{1}{(2^{p-1})^2}$$

$$\frac{1}{(2^n)^p} + \dots + \frac{1}{(2^{n+1}-1)^p} < \frac{1}{(2^{p-1})^n}$$

Now by the geometrical series,

$$S_{\frac{2^{n+1}-1}{2^{p-1}}} = \frac{1}{1 - \frac{1}{2^{p-1}}}$$

$$S_{\frac{2^{n+1}-1}{2^{p-1}}} = \frac{1}{1 - k}$$

where k is $\frac{1}{2^{p-1}}$

∴

$$S_n > S_{\frac{2^{n+1}-1}{2^{p-1}}} \text{ for all } n$$

$\{S_n\}$ is the bounded
Hence $p > 1$ is the convergent.

Case 2 if $p = 1$

$$\sum_{n=1}^{\infty} \frac{1}{n} = 1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \dots$$

$$1 + \frac{1}{2} > \frac{1}{2} \quad \text{--- (1)}$$

$$\frac{1}{3} + \frac{1}{4} > \frac{1}{4} + \frac{1}{4}$$

$$\frac{1}{3} + \frac{1}{4} > \frac{1}{2} \quad \text{--- (2)}$$

$$\frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} > \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$$

$$\frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} > \frac{1}{2}$$

from the above series,

$$S_{2^n} > \frac{1}{2}$$

If the $\langle S_{2^n} \rangle$ is a bounded then

$$\frac{n}{2} \rightarrow \infty \quad \text{and} \quad n \rightarrow \infty$$

which show that it is divergent.

Hence at $p=1$, it is divergent.

Case III

By the comparison test,
from case II, $p < 1$

$$\sum_{n=1}^{\infty} \frac{1}{n^p} \text{ is divergent if } p=1$$

It is also divergent
if $p \leq 1$

Q3 (b) $x \frac{d^2y}{dx^2} - 3 \frac{dy}{dx} + xy = 0$

$$\frac{d^2y}{dx^2} - \frac{3}{x} \frac{dy}{dx} + y = 0 \quad \text{--- (1)}$$

comparing with,

$$\frac{d^2y}{dx^2} + p(x) \frac{dy}{dx} + q(x) y = 0$$

$$p(x) = \frac{-3}{x}$$

$$q(x) = 1 \quad ? \times$$

At the point $x=0$

$$(x-0) p(x) = \frac{-3}{x} (x-0)$$

$$(x-0) q(x) = 1 (x-0)$$

Both $(p(x) \text{ and } q(x))$ are analytic
at point $x=0$.

Let the

Q5 (a)

$$x^4 - x - 10 = 0$$

By regula-falsi method.

put $x = 0$

$$x^4 - x - 10 = 0$$

$$0 - 0 - 10 = -10$$

put $x = 1$,

$$x^4 - x - 10$$

$$1 - 1 - 10 = -10$$

put $x = 2$,

$$(2)^4 - x - 10 = 4$$

from $x = 1$ and $x = 2$ (Have opposite sign value at $x = 1$ and $x = 2$)

$$x_0 = 1$$

$$f(x_0) = -10$$

$$x_1 = 2$$

$$f(x_1) = 4$$

$$x_2 = x_0 - \frac{x_1 - x_0}{f(x_1) - f(x_0)} \times f(x_0)$$

$$1 - \frac{2-1}{4+10} \times (-10)$$

$$1 + \frac{10}{14} = \frac{14+10}{14} = \frac{24}{14}$$

$$x_2 = 1.7142$$

$$f(x_2) = (1.7142)^2 - (1.7142) - 10 = -30.795$$

$$x_3 = x_2 - \frac{x_2 - x_1}{f(x_2) - f(x_1)} \times f(x_2)$$

$$= 2 - \frac{1.7142 - 2}{-3.0795 - 4} \times 4$$

$$= 1.8385$$

$$f(x_3) = (1.8385)^4 - 1.8385 - 10 = -0.4135$$

$$x_4 = x_3 - \frac{x_3 - x_2}{f(x_3) - f(x_2)} \times f(x_3)$$

$$= 1.7142 - \frac{1.8385 - 1.7142}{-0.4135 + 3.0795} \times (-3.0795)$$

$$= 1.8577$$

$$f(x_4) = (1.8577)^4 - 1.8577 - 10 = 0.0520$$

$$x_5 = x_4 - \frac{x_4 - x_3}{f(x_4) - f(x_3)} \times f(x_4)$$

$$= 1.8385 - \frac{1.8577 - 1.8385}{0.0520 + 0.4135} \times (-0.4135)$$

$$= 1.8555$$

$$f(x_5) = (1.8555)^4 - 1.8555 - 10$$

$$= -2.0755$$

$$x_6 = x_4 - \frac{x_5 - x_4}{f(x_5) - f(x_4)} \times f(x_4)$$

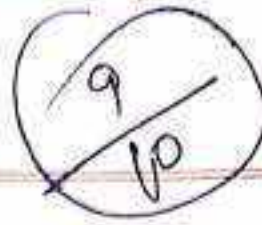
$$= 1.8577 - \frac{(1.8555 - 1.8577)}{(0.0520 + 2.0755)} \times 0.0520$$

$$= 1.8577$$

Hence value of x_5 and x_6
are very near
so required value is

$$x = 1.8577$$

V. J. G. J.



Name - Arpita
Class - B.com Final
Rollno - 06
Subject - Income Tax

Rebate and Relief of Tax

* Rebate of tax :- When in the total income of an assessee such income is included on which tax had already been paid, then from the amount of tax on total income some deduction is allowed to him. It is known as a rebate of tax. In this connection the provisions of the income tax Act are as under.

▶ Rebate of tax to a member of an Association of person or Body of individual :-



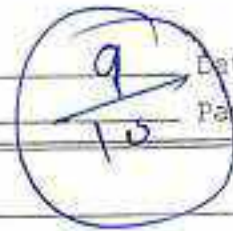
Name \Rightarrow Manisha Vishwakarma
 Class \Rightarrow B.Com final
 Roll no \Rightarrow 55
 Subject \Rightarrow Income tax

Rebate and Relief of Tax

* Rebate of tax :- When is the total income of an assessee such income is included on which tax had already been paid then from the amount of tax on total income some deduction is allowed to him it is known as a rebate of tax. In this connection the provisions of the income tax Act are as under.

* Rebate of tax to a member of an Association of Person or Body of individual :-

When AOP or BOI means Association of Person or Body of individual has paid tax on its total income at normal



Name - Manisha
 Class - B. Com IInd year
 Roll no. - 6
 Subject - Secretarial Practice
 Semester - IVth
 Assignment - I
 Topic - Company Secretary

⇒ कम्पनी सचिव ⇒ Company Secretary

⇒ सचिव का अर्थ ⇒ (Meaning of Secretary) =

अंग्रेजी शब्द सैक्रेटरी की उच्चारण लैटिन भाषा के 'सैक्रेटरियस' शब्द से हुई है, जिसका अर्थ है 'लेखित पत्रों का प्रमाणित करने वाला अधिकारी'। विश्वस्त अधिकारी। प्रारम्भ में यह शब्द केवल उन व्यक्तियों के लिये प्रयोग किया जाता था जो कि राजाओं का पत्र-व्यवहार करते थे। धीरे-धीरे इसके प्रयोग का क्षेत्र बढ़ता गया तथा अनेक संस्थाओं, व्यक्तियों एवं सरकार द्वारा सचिव की नियुक्ति की जाने लगी।

⇒ कम्पनी सचिव की परिभाषा ⇒ (Definition of a Company Secretary)

भारतीय कम्पनी संगठित अधिनियम, 1974 की धारा 2 (45) के अनुसार "सचिव से तात्पर्य निम्नलिखित शक्तियों प्राप्त एक व्यक्ति से है जो इस अधिनियम के अधीन सचिव के लिये नियुक्त तथा अन्य कार्यसिद्ध

Topic _____

Date _____

8
10

NAME - CHARU

CLASS - B. COM 3rd YEAR

ROLL NO. - 108

SUBJECT - COST ACCOUNTING

active



Planning

MEANING OF PLANNING

Planning forms that part of management which lays down the objectives and various activities to be done for the attainment of those objectives.

Under this it is decided - what is to be done? How is it to be done? when is to be done and by whom is to be done? Deciding about all these things is called Planning.

PLANNING PROCESS

The important steps of the Planning Process in management include.

1. Having Reception of opportunity

This is the Pre-step of the Planning process. It is vital to create an effective Plan. The management must do a SWOT analysis of the changing business environment.

The internal environment of the organization determines the organization's strengths and limitations, such as the availability of resources, machinery, labor, organizational structure, adopted



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
171041101018	1374410018	BHUPINDER	CF	
171041101072	1374410081	ANKIT	CF	
171041101153	1374420021	SNEHLATA	CF	
181041101004	2114920005	MANISHA	CF	
181041101005	2114920006	DIVYA TANWAR	CF	
181041101012	2114920021	RITU	CF	
181041101017	2114920024	PRIYA	CF	
181041101018	2114920013	POONAM YADAV	CF	
181041101020	2114920014	SANDHYA KUMARI	CF	
181041101023	2114910004	VICKY	CF	
181041101027	2114920017	NEHA	CF	
181041101028	2114920018	SEEMA KUMARI	CF	
181041101036	2114910010	SOURAV TANWAR	CF	
181041101037	2114910011	RATAN KUMAR	CF	
181041101053	2114920039	KUSUM LATA	CF	
181041101056	2114910021	RAVI KUMAR	CF	
181041101073	2114920046	SONIYA	CF	
181041101074	2114920054	MS PINKI YADAV	CF	
181041101076	2114910028	AKSHAY YADAV	CF	
181041101077	2114910029	LOKESH	CF	
181041101120	2114920071	RAJKIRTI	CF	
181041101124	2114920072	BHARTI SINHA	CF	
181041101138	2114910065	SANJEEV KUMAR	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



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181041101147	2114920090	MEENA KUMARI	CF	
181041101149	2114910082	ARJUN	CF	
181041101154	2114920082	SANGEETA	CF	
181041101158	2114920084	KOMAL	CF	
181041101164	2114920087	NIDHI	CF	
181041101188	2114910092	HEMANT	CF	
181041101191	2114920074	MS RUPAM KUMARI	CF	
181041101193	2114920099	MONIKA	CF	
191041101004	2996210005	VIKAS TANWAR	CF	
191041101008	2996210009	AJAY	CF	
191041101016	2996220009	LISHA	CF	
191041101017	2996220008	NISHA YADAV	CF	
191041101018	2996220011	SONIYA	CF	
191041101021	2114920020	PINKI	CF	
191041101022	2996220010	TINU	CF	
191041101026	2996210027	YOGESH	CF	
191041101030	2996220014	NEHA	CF	
191041101033	2996220015	SHALU	CF	
191041101034	2996210031	SAGAR	CF	
191041101035	2996220016	KARISHMA	CF	
191041101037	2996210032	YOGESH	CF	
191041101038	2996220022	RITU	CF	
191041101040	2996210033	VIRENDER SINGH	CF	

Signature of Class Teacher

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Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
191041101044	2996210049	MITESH KUMAR	CF	
191041101047	2996210050	MANJEET	CF	
191041101048	2996220025	MANISHA	CF	
191041101050	2996220026	NEHA	CF	
191041101054	2996220038	NIKITA	CF	
191041101057	2996210038	ROHIT KUMAR	CF	
191041101060	2996220027	BULBUL	CF	
191041101062	2996210054	YOGESH KUMAR	CF	
191041101066	2996210055	ASHLOK SANGWAN	CF	
191041101069	2996210057	SANJAY	CF	
191041101070	2996210058	SANJAY	CF	
191041101071	2996220030	SARITA	CF	
191041101082	2996210064	NITIN TANWAR	CF	
191041101088	2996220032	EKTA	CF	
191041101089	2996220033	SEEMA	CF	
191041101091	2996220035	NEHA SHARMA	CF	
191041101095	2996220062	SHALINI	CF	
191041101098	2996210070	SANJAY KUMAR	CF	
191041101101	2996210072	TANU	CF	
191041101105	2996220066	POONAM KUMARI	CF	
191041101106	2996220056	POOJA PAL	CF	
191041101108	2996220067	POONAM	CF	
191041101109	2996210112	YOGESH	CF	

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Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
191041101114	2996210113	SHEKHAR KUMAR	CF	
191041101115	2996220069	SONAL	CF	
191041101116	2996220059	RITU	CF	
191041101117	2996220070	SUSHMA	CF	
191041101119	2996220071	LAKSHMI	CF	
191041101122	2996220072	MONIKA	CF	
191041101130	2996220076	POOJA KUMARI	CF	
191041101131	2996210092	SACHIN KUMAR	10	Ten
191041101135	2996220077	TARUNA	CF	
191041101136	2996210094	SUMIT KUMAR	CF	
191041101139	2996220078	DEEPA	CF	
191041101142	2996220079	JYOTI	CF	
191041101148	2996210120	RAHUL	CF	
191041101153	2996210099	MANOJ KUMAR	CF	
191041101154	2996210087	SUNIL KUMAR	CF	
191041101156	2996210100	GAURAV	CF	
191041101161	2996210123	ARUN SHARMA	CF	
191041101163	2996210125	AMAN KUMAR	CF	
191041101166	2996210107	SAGAR	CF	
191041101167	2996220050	SHALU	CF	
191041101169	2996220043	MINTA	CF	
191041101170	2996210132	AJAY YADAV	CF	
191041101172	2996220049	TULSEE	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
191041101173	2996210133	ECKLAVYA YADAV	CF	
191041101174	2996210108	JATIN YADAV	CF	
191041101176	2996220045	SEEMA	CF	
191041101187	2996220046	DEEPIKA	CF	
191041101197	2996210013	AISHVARY SINGH CHAUHAN	CF	
191041101198	2996220041	CHANDANI ROY	CF	
191041101200	2996210014	SHIV KUMAR	CF	
191041101206	2996210022	NEERAJ	CF	
191041101208	2996210025	VINOD KUMAR	CF	
191041101209	2996220003	RASHMI DEVI	CF	
191041101210	2996220042	SAPNA SHARMA	CF	
201041101005	120116002004	MONIKA	CF	
201041101006	120116002036	RICHA	CF	
201041101014	120116002006	VIKASH KUMAR	CF	
201041101016	120116002008	SHIVANI	CF	
201041101017	120116002045	POOJA KUMARI	CF	
201041101018	120116002009	AMAN	CF	
201041101020	120116002011	MONIYA	CF	
201041101022	120116002012	NEETI	CF	
201041101023	120116002047	AMAN	CF	
201041101024	120116002014	PREM LATA	CF	
201041101026	120116002015	KIRAN KUMARI	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041101027	120116002050	TARUN	CF	
201041101030	120116002052	NEERAJ	CF	
201041101032	120116002017	ANJLI SHARMA	CF	
201041101038	120116002058	DEEPAK BAGRI	CF	
201041101044	120116002064	PRAVEJ	CF	
201041101046	120116002066	SUMIT KUMAR	CF	
201041101048	120116002024	PARAMJEET	CF	
201041101054	120116002067	POONAM KUMARI	CF	
201041101057	120116002032	NIKITA	CF	
201041101058	120116002033	DEEPIKA	CF	
201041101061	120116002111	MONI	CF	
201041101064	120116002070	INDU	CF	
201041101066	120116002071	KOMAL	CF	
201041101067	120116002114	MOHIT	CF	
201041101068	120116002115	SHISH PAL	CF	
201041101072	120116002074	SIDHARTH	CF	
201041101075	120116002119	NIKITA	CF	
201041101079	120116002121	SAHIL	CF	
201041101087	120116002125	LALIT	CF	
201041101088	120116002081	DIVESH KUMAR	CF	
201041101090	120116002083	HARSH KUMAR	CF	
201041101092	120116002085	BHAWANA	CF	
201041101093	120116002126	KUNAL	CF	

Signature of Class Teacher

Signature of College Principal /
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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041101096	120116002128	SHIVANI	CF	
201041101098	120116002130	ASHISH	CF	
201041101099	120116002087	VARSHA YADAV	CF	
201041101102	120116002090	AKHLAR	CF	
201041101104	120116002092	NAVITA KUMARI	CF	
201041101110	120116002097	RAJNI	CF	
201041101113	120116002099	SWETA SHARMA	CF	
201041101114	120116002100	VIPIN	CF	
201041101117	120116002135	CHIRAG	CF	
201041101118	120116002102	RACHNA	CF	
201041101120	120116002137	MANISH	CF	
201041101122	120116002138	MOHIT	CF	
201041101124	120116002104	SOMVEER	CF	
201041101125	120116002140	SUNITA	CF	
201041101126	120116002141	MANJEET	CF	
201041101130	120116002143	SUJATA SAINI	CF	
201041101133	120116002146	GUNJAN KUMARI	CF	
201041101134	120116002147	KAMAL YADAV	CF	
201041101136	120116002149	ANKIT BAGORIA	CF	
201041101137	120116002150	MAHAVEER YADAV	CF	
201041101141	120116002153	NAWAL SINGH	CF	
201041101142	120116002154	PREETAM SINGH	CF	
201041101143	120116002155	BHARAT	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041101152	120116002164	ROBIN SINGH	CF	
201041101158	120116002173	NEERU	CF	
201041101159	120116002174	ANITA	CF	
201041101160	120116002176	VARSHA	CF	
201041101163	120116002179	HARSH	CF	
201041101169	120116002181	RITU	CF	
201041101179	120116002197	MANJEET	CF	
201041101183	120116002195	NEHA	CF	
201041101184	120116002198	PARDEEP	CF	
201041101185	120116002199	LOKESH	CF	
201041101187	120116002201	SIDDHARTH SINGH	CF	
201041101188	120116002202	VINITA	CF	
201041101189	120116002203	TONY	CF	
201041101190	120116002204	JILANI	CF	
201041101191	120116002205	VIKAS	CF	
201151101047	120124002047	PREETI	CF	
211041101001	1211161002002	PRIYANKA	18	Eighteen
211041101002	1211161002003	PINKY	18	Eighteen
211041101003	1211161002004	VARSHA	16	Sixteen
211041101004	1211161002005	REKHA	16	Sixteen
211041101005	1211161002006	NIKKEE KUMARI	15	Fifteen
211041101006	1211161002007	ANITA	18	Eighteen
211041101007	1211161002008	SANGEETA YADAV	16	Sixteen

Signature of Class Teacher

Signature of College Principal /
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B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101008	1211161002009	NEETU KUMARI	16	Sixteen
211041101009	1211161002010	DESHANT THAKRAN	08	Eight
211041101010	1211161002011	REETU	16	Sixteen
211041101011	1211161002012	TAMANNA	19	Nineteen
211041101012	1211161002013	JYOTI	17	Seventeen
211041101013	1211161002014	INDU	18	Eighteen
211041101014	1211161002015	PREETI	18	Eighteen
211041101015	1211161002016	REENA SHARMA	17	Seventeen
211041101016	1211161002017	SHASHIBALA	16	Sixteen
211041101017	1211161002018	NEHA	17	Seventeen
211041101018	1211161002019	GAURAV YADAV	19	Nineteen
211041101020	1211161002021	URMILA	16	Sixteen
211041101021	1211161002022	GAGAN	08	Eight
211041101022	1211161002023	NIKITA	14	Fourteen
211041101023	1211161002024	DIMPY	14	Fourteen
211041101024	1211161002025	MINAKSHI	16	Sixteen
211041101025	1211161002026	DIPANSHI	16	Sixteen
211041101026	1211161002028	PREETAM	13	Thirteen
211041101027	1211161002029	NIKHIL	12	Twelve
211041101028	1211161002030	DEEPAK	12	Twelve
211041101030	1211161002032	SAHIL	12	Twelve
211041101031	1211161002033	KOKILA KUMARI	12	Twelve
211041101032	1211161002034	GOLU	18	Eighteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101033	1211161002035	SUJATA	15	Fifteen
211041101034	1211161002036	NIDHI	19	Nineteen
211041101035	1211161002037	GAURAV	08	Eight
211041101036	1211161002038	ROHAN KUMAR	12	Twelve
211041101037	1211161002039	NEERAJ	14	Fourteen
211041101038	1211161002040	ANNU	16	Sixteen
211041101039	1211161002041	LAXMI	15	Fifteen
211041101040	1211161002042	PRIYANKA SINGH	16	Sixteen
211041101041	1211161002043	NISHA	14	Fourteen
211041101042	1211161002044	AAZAD	12	Twelve
211041101043	1211161002045	ARCHANA	12	Twelve
211041101044	1211161002046	TANU	15	Fifteen
211041101045	1211161002047	MINAKSHI	15	Fifteen
211041101046	1211161002048	NEHA	16	Sixteen
211041101047	1211161002049	MUSKAN	17	Seventeen
211041101048	1211161002050	HARISH	14	Fourteen
211041101049	1211161002051	NISHA	16	Sixteen
211041101050	1211161002052	SUDHIR	14	Fourteen
211041101052	1211161002054	ANJALI	16	Sixteen
211041101053	1211161002055	SONAM	19	Nineteen
211041101054	1211161002056	HEMLATA	16	Sixteen
211041101055	1211161002057	PREETI	15	Fifteen
211041101056	1211161002058	NISHA	14	Fourteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101057	1211161002059	VARSHA	15	Fifteen
211041101058	1211161002060	NEETU	16	Sixteen
211041101059	1211161002061	SUNITA	17	Seventeen
211041101060	1211161002062	TANISHA	15	Fifteen
211041101061	1211161002063	NEELAM	15	Fifteen
211041101062	1211161002064	BHARTI	17	Seventeen
211041101063	1211161002065	KOMAL KUMARI	17	Seventeen
211041101064	1211161002066	NAVEEN	14	Fourteen
211041101065	1211161002067	PALAK	18	Eighteen
211041101066	1211161002068	GOVIND	10	Ten
211041101067	1211161002069	PREETI	16	Sixteen
211041101069	1211161002071	CHANDAN	12	Twelve
211041101070	1211161002072	LATA	14	Fourteen
211041101071	1211161002073	RINKU YADAV	17	Seventeen
211041101072	1211161002074	NIKESH	12	Twelve
211041101073	1211161002075	ROHIT	12	Twelve
211041101075	1211161002077	NARGIS	15	Fifteen
211041101076	1211161002078	PIYUSH YADAV	13	Thirteen
211041101077	1211161002079	NEHAL	17	Seventeen
211041101078	1211161002080	NEHA	17	Seventeen
211041101079	1211161002081	SHYAMBIR	14	Fourteen
211041101085	1211161002087	HARSH KUMAR	14	Fourteen
211041101086	1211161002088	PREETI KUMARI	12	Twelve

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101087	1211161002089	SUMAN	14	Fourteen
211041101088	1211161002090	ANJALI SHARMA	16	Sixteen
211041101090	1211161002092	BABITA	19	Nineteen
211041101091	1211161002093	HEMANT	12	Twelve
211041101092	1211161002094	VINEET	08	Eight
211041101093	1211161002095	ROHIT	13	Thirteen
211041101094	1211161002096	KIRAN KUMARI	16	Sixteen
211041101095	1211161002097	NIKITA	12	Twelve
211041101096	1211161002098	HEMANT	10	Ten
211041101097	1211161002099	RUPESH	10	Ten
211041101098	1211161002100	NITIN	13	Thirteen
211041101099	1211161002101	SONIYA	14	Fourteen
211041101100	1211161002102	RAHUL	08	Eight
211041101101	1211161002103	SHEETAL	17	Seventeen
211041101102	1211161002104	RITU	14	Fourteen
211041101103	1211161002105	AMAN JANGHU	10	Ten
211041101104	1211161002106	VINIT YADAV	17	Seventeen
211041101105	1211161002107	NIKITA	18	Eighteen
211041101106	1211161002108	MOHIT	10	Ten
211041101107	1211161002109	EKTA	15	Fifteen
211041101108	1211161002110	MUSKAN	15	Fifteen
211041101109	1211161002111	MAMTA	16	Sixteen
211041101110	1211161002112	DIYA	15	Fifteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101111	1211161002113	SHIVANI GAUR	15	Fifteen
211041101113	1211161002115	RITIKA YADAV	19	Nineteen
211041101114	1211161002116	PRIYANKA	18	Eighteen
211041101115	1211161002153	HITESH CHOUDHARY	18	Eighteen
211041101116	1211161002117	DEVENDER	12	Twelve
211041101117	1211161002118	MANJEET SINGH	11	Eleven
211041101118	1211161002119	AMIT YADAV	10	Ten
211041101119	1211161002120	SANGEETA	16	Sixteen
211041101120	1211161002121	INDU	16	Sixteen
211041101121	1211161002122	NEHA	15	Fifteen
211041101123	1211161002124	KOMAL	16	Sixteen
211041101124	1211161002125	MUSKAN	15	Fifteen
211041101125	1211161002126	POOJA	17	Seventeen
211041101126	1211161002127	SACHIN	12	Twelve
211041101127	1211161002128	POOJA	17	Seventeen
211041101129	1211161002130	LALIT	16	Sixteen
211041101130	1211161002131	JYOTI	17	Seventeen
211041101131	1211161002132	OMBIR	16	Sixteen
211041101132	1211161002133	NEHA KUMARI	15	Fifteen
211041101133	1211161002134	SACHIN	12	Twelve
211041101135	1211161002136	MITALI RAGHAV	18	Eighteen
211041101136	1211161002137	PARMILA SAINI	16	Sixteen
211041101139	1211161002154	LAKSHAY	12	Twelve

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101140	1211161002140	SANGEETA	16	Sixteen
211041101141	1211161002141	NEHA	15	Fifteen
211041101142	1211161002142	AARTI	16	Sixteen
211041101143	1211161002155	MONI	15	Fifteen
211041101144	1211161002143	JYOTI	16	Sixteen
211041101145	1211161002144	SANJU	17	Seventeen
211041101146	1211161002145	HIMANSHU	16	Sixteen
211041101147	1211161002146	KOMAL KUMARI	17	Seventeen
211041101148	1211161002147	NIKHIL YADAV	10	Ten
211041101149	1211161002148	OM PARKASH	10	Ten
211041101150	1211161002149	SUBHAM KHARERA	18	Eighteen
211041101151	1211161002150	NEETU KUMARI	16	Sixteen
211041101152	1211161002151	DIWAKAR KUMAR	09	Nine
211041101154	1211161002156	SACHIN	16	Sixteen
211041101155	1211161002157	TANNU	16	Sixteen
211041101156	1211161002158	PRATAP YADAV	10	Ten
211041101157	1211161002159	JATIN YADAV	08	Eight
211041101158	1211161002160	DEEPAK SINGH	08	Eight
211041101159	1211161002161	ASHISH	10	Ten
211041101160	1211161002162	SANJU	16	Sixteen
211041101162	1211161002164	SANJAY DAYMA	08	Eight
211041101164	1211161002166	NANDNI	18	Eighteen
211041101165	1211161002167	SAKSHI	14	Fourteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101168	1211161002170	ARCHNA	15	Fifteen
211041101169	1211161002171	AAKRITI	15	Fifteen
211041101170	1211161002172	MS. KOMAL	16	Sixteen
211041101171	1211161002173	AAKASH	12	Twelve
211041101174	1211161002175	HARSH	12	Twelve
211041101175	1211161002176	SATRUDHAN	09	Nine
211041101176	1211161002177	VIKRAM SINGH	09	Nine
211041101177	1211161002178	RAHUL YADAV	10	Ten
211041101178	1211161002179	PAWAN YADAV	09	Nine
211041101179	1211161002180	HIMANSHU	14	Fourteen
211041101181	1211161002182	RONAK	11	Eleven
211041101183	1211161002184	RABI KUMAR GUPTA	09	Nine
211041101184	1211161002185	ISHWAR	08	Eight
211041101185	1211161002186	SANGRAM SINGH	13	Thirteen
211041101186	1211161002187	SHUBHAM	09	Nine
211041101187	1211161002188	SACHIN	15	Fifteen
211041101188	1211161002189	ROHIT KUMAR	08	Eight
211041101189	1211161002190	VINITA SAINI	16	Sixteen
211041101190	1211161002191	NITIN YADAV	12	Twelve
211041101191	1211161002193	ANKIT	16	Sixteen
211041101192	1211161002194	TARUN	14	Fourteen
211041101193	1211161002195	PRIYA	16	Sixteen
211041101196	1211161002198	SANDEEP	08	Eight

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENGLISH-S1**

Paper/Code : **31001**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101197	1211161002199	RAVINA	16	Sixteen
211041101199	1211161002201	RAMAN KANT	10	Ten
211041101200	1211161002202	AAWAJ	17	Seventeen
211041101201	1211161002203	KOMAL	17	Seventeen
211041101202	1211161002204	MANISHA	10	Ten
211041101205	1211161002207	AMIT KUMAR	08	Eight
211041101206	1211161002208	VIPUL	10	Ten
211041101207	1211161002209	HEMA	15	Fifteen
211041101209	1211161002211	ARJUN	12	Twelve
211041101210	1211161002212	ANKIT	12	Twelve
211041101211	1211161002213	ISHU	10	Ten
211041101213	1211161002215	NITIN KUMAR	12	Twelve
211041101214	1211161002216	KARISHMA	15	Fifteen
211041101215	1211161002217	PRAVEEN KUMAR	11	Eleven
211041101217	1211161002219	UMESH	10	Ten
211041101218	1211161002220	NEERAJ SANGWAN	09	Nine
212281101009	1211221002007	KOMAL	15	Fifteen
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
181041101023	2114910004	VICKY	CF	
181041101034	2114910009	SACHIN	CF	
181041101036	2114910010	SOURAV TANWAR	CF	
191041101004	2996210005	VIKAS TANWAR	CF	
191041101046	2996210035	SUMIT YADAV	CF	
191041101062	2996210054	YOGESH KUMAR	CF	
191041101069	2996210057	SANJAY	CF	
191041101082	2996210064	NITIN TANWAR	CF	
191041101106	2996220056	POOJA PAL	CF	
191041101114	2996210113	SHEKHAR KUMAR	CF	
191041101117	2996220070	SUSHMA	CF	
191041101122	2996220072	MONIKA	CF	
191041101131	2996210092	SACHIN KUMAR	15	Fifteen
191041101153	2996210099	MANOJ KUMAR	CF	
191041101156	2996210100	GAURAV	CF	
191041101161	2996210123	ARUN SHARMA	CF	
191041101173	2996210133	ECKLAVYA YADAV	CF	
191041101174	2996210108	JATIN YADAV	CF	
191041101187	2996220046	DEEPIKA	CF	
191041101208	2996210025	VINOD KUMAR	CF	
201041101006	120116002036	RICHA	CF	
201041101018	120116002009	AMAN	CF	
201041101027	120116002050	TARUN	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041101044	120116002064	PRAVEJ	CF	
201041101046	120116002066	SUMIT KUMAR	CF	
201041101048	120116002024	PARAMJEET	CF	
201041101061	120116002111	MONI	CF	
201041101068	120116002115	SHISH PAL	CF	
201041101072	120116002074	SIDHARTH	CF	
201041101079	120116002121	SAHIL	CF	
201041101087	120116002125	LALIT	CF	
201041101088	120116002081	DIVESH KUMAR	CF	
201041101093	120116002126	KUNAL	CF	
201041101098	120116002130	ASHISH	CF	
201041101099	120116002087	VARSHA YADAV	CF	
201041101105	120116002093	LUCKY	CF	
201041101114	120116002100	VIPIN	CF	
201041101117	120116002135	CHIRAG	CF	
201041101120	120116002137	MANISH	CF	
201041101122	120116002138	MOHIT	CF	
201041101123	120116002139	PRIYAM AGGARWAL	CF	
201041101124	120116002104	SOMVEER	CF	
201041101125	120116002140	SUNITA	CF	
201041101126	120116002141	MANJEET	CF	
201041101130	120116002143	SUJATA SAINI	CF	
201041101136	120116002149	ANKIT BAGORIA	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041101137	120116002150	MAHAVEER YADAV	CF	
201041101141	120116002153	NAWAL SINGH	CF	
201041101143	120116002155	BHARAT	CF	
201041101179	120116002197	MANJEET	CF	
201041101187	120116002201	SIDDHARTH SINGH	CF	
201041101189	120116002203	TONY	CF	
201041101190	120116002204	JILANI	CF	
211041101001	1211161002002	PRIYANKA	18	Eighteen
211041101002	1211161002003	PINKY	18	Eighteen
211041101003	1211161002004	VARSHA	18	Eighteen
211041101004	1211161002005	REKHA	18	Eighteen
211041101005	1211161002006	NIKKEE KUMARI	18	Eighteen
211041101006	1211161002007	ANITA	18	Eighteen
211041101007	1211161002008	SANGEETA YADAV	18	Eighteen
211041101008	1211161002009	NEETU KUMARI	17	Seventeen
211041101009	1211161002010	DESHANT THAKRAN	15	Fifteen
211041101010	1211161002011	REETU	18	Eighteen
211041101011	1211161002012	TAMANNA	18	Eighteen
211041101012	1211161002013	JYOTI	17	Seventeen
211041101013	1211161002014	INDU	18	Eighteen
211041101014	1211161002015	PREETI	18	Eighteen
211041101015	1211161002016	REENA SHARMA	18	Eighteen
211041101016	1211161002017	SHASHIBALA	18	Eighteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101017	1211161002018	NEHA	18	Eighteen
211041101018	1211161002019	GAURAV YADAV	18	Eighteen
211041101020	1211161002021	URMILA	18	Eighteen
211041101021	1211161002022	GAGAN	15	Fifteen
211041101022	1211161002023	NIKITA	17	Seventeen
211041101023	1211161002024	DIMPY	17	Seventeen
211041101024	1211161002025	MINAKSHI	17	Seventeen
211041101025	1211161002026	DIPANSHI	17	Seventeen
211041101026	1211161002028	PREETAM	15	Fifteen
211041101027	1211161002029	NIKHIL	08	Eight
211041101028	1211161002030	DEEPAK	08	Eight
211041101030	1211161002032	SAHIL	15	Fifteen
211041101031	1211161002033	KOKILA KUMARI	17	Seventeen
211041101032	1211161002034	GOLU	18	Eighteen
211041101033	1211161002035	SUJATA	17	Seventeen
211041101034	1211161002036	NIDHI	18	Eighteen
211041101035	1211161002037	GAURAV	15	Fifteen
211041101036	1211161002038	ROHAN KUMAR	15	Fifteen
211041101037	1211161002039	NEERAJ	15	Fifteen
211041101038	1211161002040	ANNU	17	Seventeen
211041101039	1211161002041	LAXMI	17	Seventeen
211041101040	1211161002042	PRIYANKA SINGH	17	Seventeen
211041101041	1211161002043	NISHA	17	Seventeen

Signature of Class Teacher

Signature of College Principal /
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Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101042	1211161002044	AAZAD	18	Eighteen
211041101043	1211161002045	ARCHANA	17	Seventeen
211041101044	1211161002046	TANU	17	Seventeen
211041101045	1211161002047	MINAKSHI	17	Seventeen
211041101046	1211161002048	NEHA	17	Seventeen
211041101047	1211161002049	MUSKAN	16	Sixteen
211041101048	1211161002050	HARISH	15	Fifteen
211041101049	1211161002051	NISHA	08	Eight
211041101050	1211161002052	SUDHIR	16	Sixteen
211041101052	1211161002054	ANJALI	17	Seventeen
211041101053	1211161002055	SONAM	18	Eighteen
211041101054	1211161002056	HEMLATA	17	Seventeen
211041101055	1211161002057	PREETI	08	Eight
211041101056	1211161002058	NISHA	17	Seventeen
211041101057	1211161002059	VARSHA	17	Seventeen
211041101058	1211161002060	NEETU	17	Seventeen
211041101059	1211161002061	SUNITA	17	Seventeen
211041101060	1211161002062	TANISHA	17	Seventeen
211041101061	1211161002063	NEELAM	17	Seventeen
211041101062	1211161002064	BHARTI	17	Seventeen
211041101063	1211161002065	KOMAL KUMARI	17	Seventeen
211041101064	1211161002066	NAVEEN	15	Fifteen
211041101065	1211161002067	PALAK	17	Seventeen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101066	1211161002068	GOVIND	16	Sixteen
211041101067	1211161002069	PREETI	17	Seventeen
211041101069	1211161002071	CHANDAN	15	Fifteen
211041101070	1211161002072	LATA	17	Seventeen
211041101071	1211161002073	RINKU YADAV	17	Seventeen
211041101072	1211161002074	NIKESH	17	Seventeen
211041101073	1211161002075	ROHIT	17	Seventeen
211041101075	1211161002077	NARGIS	17	Seventeen
211041101076	1211161002078	PIYUSH YADAV	12	Twelve
211041101077	1211161002079	NEHAL	17	Seventeen
211041101078	1211161002080	NEHA	17	Seventeen
211041101079	1211161002081	SHYAMBIR	15	Fifteen
211041101085	1211161002087	HARSH KUMAR	08	Eight
211041101086	1211161002088	PREETI KUMARI	17	Seventeen
211041101087	1211161002089	SUMAN	17	Seventeen
211041101088	1211161002090	ANJALI SHARMA	17	Seventeen
211041101090	1211161002092	BABITA	17	Seventeen
211041101091	1211161002093	HEMANT	08	Eight
211041101092	1211161002094	VINEET	15	Fifteen
211041101093	1211161002095	ROHIT	15	Fifteen
211041101094	1211161002096	KIRAN KUMARI	17	Seventeen
211041101095	1211161002097	NIKITA	17	Seventeen
211041101096	1211161002098	HEMANT	08	Eight

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101097	1211161002099	RUPESH	08	Eight
211041101098	1211161002100	NITIN	08	Eight
211041101099	1211161002101	SONIYA	17	Seventeen
211041101100	1211161002102	RAHUL	08	Eight
211041101101	1211161002103	SHEETAL	17	Seventeen
211041101102	1211161002104	RITU	08	Eight
211041101103	1211161002105	AMAN JANGHU	12	Twelve
211041101104	1211161002106	VINIT YADAV	16	Sixteen
211041101105	1211161002107	NIKITA	17	Seventeen
211041101106	1211161002108	MOHIT	08	Eight
211041101107	1211161002109	EKTA	17	Seventeen
211041101108	1211161002110	MUSKAN	16	Sixteen
211041101109	1211161002111	MAMTA	17	Seventeen
211041101110	1211161002112	DIYA	17	Seventeen
211041101111	1211161002113	SHIVANI GAUR	17	Seventeen
211041101113	1211161002115	RITIKA YADAV	17	Seventeen
211041101114	1211161002116	PRIYANKA	18	Eighteen
211041101115	1211161002153	HITESH CHOUDHARY	18	Eighteen
211041101116	1211161002117	DEVENDER	16	Sixteen
211041101117	1211161002118	MANJEET SINGH	08	Eight
211041101118	1211161002119	AMIT YADAV	16	Sixteen
211041101119	1211161002120	SANGEETA	17	Seventeen
211041101120	1211161002121	INDU	17	Seventeen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101121	1211161002122	NEHA	17	Seventeen
211041101123	1211161002124	KOMAL	17	Seventeen
211041101124	1211161002125	MUSKAN	17	Seventeen
211041101125	1211161002126	POOJA	17	Seventeen
211041101126	1211161002127	SACHIN	16	Sixteen
211041101127	1211161002128	POOJA	17	Seventeen
211041101129	1211161002130	LALIT	16	Sixteen
211041101130	1211161002131	JYOTI	17	Seventeen
211041101131	1211161002132	OMBIR	16	Sixteen
211041101132	1211161002133	NEHA KUMARI	17	Seventeen
211041101133	1211161002134	SACHIN	08	Eight
211041101135	1211161002136	MITALI RAGHAV	17	Seventeen
211041101136	1211161002137	PARMILA SAINI	17	Seventeen
211041101139	1211161002154	LAKSHAY	15	Fifteen
211041101140	1211161002140	SANGEETA	17	Seventeen
211041101141	1211161002141	NEHA	17	Seventeen
211041101142	1211161002142	AARTI	17	Seventeen
211041101143	1211161002155	MONI	17	Seventeen
211041101144	1211161002143	JYOTI	17	Seventeen
211041101145	1211161002144	SANJU	17	Seventeen
211041101146	1211161002145	HIMANSHU	16	Sixteen
211041101147	1211161002146	KOMAL KUMARI	17	Seventeen
211041101148	1211161002147	NIKHIL YADAV	16	Sixteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101149	1211161002148	OM PARKASH	12	Twelve
211041101150	1211161002149	SUBHAM KHARERA	17	Seventeen
211041101151	1211161002150	NEETU KUMARI	17	Seventeen
211041101152	1211161002151	DIWAKAR KUMAR	08	Eight
211041101154	1211161002156	SACHIN	15	Fifteen
211041101155	1211161002157	TANNU	17	Seventeen
211041101156	1211161002158	PRATAP YADAV	08	Eight
211041101157	1211161002159	JATIN YADAV	15	Fifteen
211041101158	1211161002160	DEEPAK SINGH	15	Fifteen
211041101159	1211161002161	ASHISH	08	Eight
211041101160	1211161002162	SANJU	17	Seventeen
211041101162	1211161002164	SANJAY DAYMA	15	Fifteen
211041101164	1211161002166	NANDNI	17	Seventeen
211041101165	1211161002167	SAKSHI	16	Sixteen
211041101168	1211161002170	ARCHNA	17	Seventeen
211041101169	1211161002171	AAKRITI	17	Seventeen
211041101170	1211161002172	MS. KOMAL	17	Seventeen
211041101171	1211161002173	AAKASH	17	Seventeen
211041101174	1211161002175	HARSH	15	Fifteen
211041101175	1211161002176	SATRUDHAN	15	Fifteen
211041101176	1211161002177	VIKRAM SINGH	17	Seventeen
211041101177	1211161002178	RAHUL YADAV	15	Fifteen
211041101178	1211161002179	PAWAN YADAV	15	Fifteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101179	1211161002180	HIMANSHU	15	Fifteen
211041101181	1211161002182	RONAK	15	Fifteen
211041101183	1211161002184	RABI KUMAR GUPTA	15	Fifteen
211041101184	1211161002185	ISHWAR	15	Fifteen
211041101185	1211161002186	SANGRAM SINGH	15	Fifteen
211041101186	1211161002187	SHUBHAM	15	Fifteen
211041101187	1211161002188	SACHIN	15	Fifteen
211041101188	1211161002189	ROHIT KUMAR	15	Fifteen
211041101189	1211161002190	VINITA SAINI	17	Seventeen
211041101190	1211161002191	NITIN YADAV	15	Fifteen
211041101191	1211161002193	ANKIT	18	Eighteen
211041101192	1211161002194	TARUN	16	Sixteen
211041101193	1211161002195	PRIYA	17	Seventeen
211041101196	1211161002198	SANDEEP	15	Fifteen
211041101197	1211161002199	RAVINA	17	Seventeen
211041101199	1211161002201	RAMAN KANT	15	Fifteen
211041101200	1211161002202	AAWAJ	17	Seventeen
211041101201	1211161002203	KOMAL	17	Seventeen
211041101202	1211161002204	MANISHA	17	Seventeen
211041101205	1211161002207	AMIT KUMAR	15	Fifteen
211041101206	1211161002208	VIPUL	17	Seventeen
211041101207	1211161002209	HEMA	17	Seventeen
211041101209	1211161002211	ARJUN	15	Fifteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **HINDI(C)-S1**

Paper/Code : **31011**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101210	1211161002212	ANKIT	16	Sixteen
211041101211	1211161002213	ISHU	15	Fifteen
211041101213	1211161002215	NITIN KUMAR	16	Sixteen
211041101214	1211161002216	KARISHMA	17	Seventeen
211041101215	1211161002217	PRAVEEN KUMAR	17	Seventeen
211041101217	1211161002219	UMESH	16	Sixteen
211041101218	1211161002220	NEERAJ SANGWAN	15	Fifteen
212281101009	1211221002007	KOMAL	15	Fifteen
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

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**INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA**

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Physical Geography II-S1**

Paper/Code : **31061**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
181041101104	2114910045	PARDEEP	CF	
191041101153	2996210099	MANOJ KUMAR	CF	
191041101170	2996210132	AJAY YADAV	CF	
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Advanced Calculus-S1**

Paper/Code : **31121**

Max Marks : **6**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
171041101042	1374410048	PRAVEEN KUMAR	CF	
171041101072	1374410081	ANKIT	CF	
171041101155	1374420023	NEHA	CF	
201041101005	120116002004	MONIKA	CF	
201041101029	120116002016	MANISHA	CF	
201041101035	120116002020	SAHIL SHARMA	CF	
201041101036	120116002022	KRISHI	CF	
201041101039	120116002059	PRIYANKA KUMARI	CF	
201041101046	120116002066	SUMIT KUMAR	CF	
201041101054	120116002067	POONAM KUMARI	CF	
201041101126	120116002141	MANJEET	CF	
201041101152	120116002164	ROBIN SINGH	CF	
201041101161	120116002177	JYOTI	CF	
201041101184	120116002198	PARDEEP	CF	
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **History of India (c. 1707 to 1947 A.D.)-S1**

Paper/Code : **31041**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
181041101056	2114910021	RAVI KUMAR	CF	
181041101164	2114920087	NIDHI	CF	
191041101026	2996210027	YOGESH	CF	
191041101034	2996210031	SAGAR	CF	
191041101069	2996210057	SANJAY	CF	
191041101091	2996220035	NEHA SHARMA	CF	
191041101108	2996220067	POONAM	CF	
191041101114	2996210113	SHEKHAR KUMAR	CF	
191041101117	2996220070	SUSHMA	CF	
191041101142	2996220079	JYOTI	CF	
191041101161	2996210123	ARUN SHARMA	CF	
191041101191	2996210128	DEEPAK	CF	
191041101197	2996210013	AISHVARY SINGH CHAUHAN	CF	
191041101200	2996210014	SHIV KUMAR	CF	
191041101208	2996210025	VINOD KUMAR	CF	
201041101006	120116002036	RICHA	CF	
201041101009	120116002041	YOGESH	CF	
201041101010	120116002042	MOHIT KUMAR	CF	
201041101011	120116002043	TARUN KUMAR	CF	
201041101014	120116002006	VIKASH KUMAR	CF	
201041101027	120116002050	TARUN	CF	
201041101030	120116002052	NEERAJ	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **History of India (c. 1707 to 1947 A.D.)-S1**

Paper/Code : **31041**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041101048	120116002024	PARAMJEET	CF	
201041101058	120116002033	DEEPIKA	CF	
201041101090	120116002083	HARSH KUMAR	CF	
201041101106	120116002094	TANU	CF	
201041101108	120116002095	TANIYA SHARMA	CF	
201041101114	120116002100	VIPIN	CF	
201041101120	120116002137	MANISH	CF	
201041101130	120116002143	SUJATA SAINI	CF	
201041101148	120116002160	LALIT KUMAR	CF	
201041101158	120116002173	NEERU	CF	
201041101159	120116002174	ANITA	CF	
201041101179	120116002197	MANJEET	CF	
201041101185	120116002199	LOKESH	CF	
201041101188	120116002202	VINITA	CF	
201041101189	120116002203	TONY	CF	
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Principles of Political Sciences-I(PPS-I)-S1**

Paper/Code : **31051**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
191041101034	2996210031	SAGAR	CF	
191041101037	2996210032	YOGESH	CF	
191041101101	2996210072	TANU	CF	
191041101148	2996210120	RAHUL	CF	
191041101161	2996210123	ARUN SHARMA	CF	
191041101163	2996210125	AMAN KUMAR	CF	
191041101173	2996210133	ECKLAVYA YADAV	CF	
191041101174	2996210108	JATIN YADAV	CF	
201041101011	120116002043	TARUN KUMAR	CF	
201041101014	120116002006	VIKASH KUMAR	CF	
201041101024	120116002014	PREM LATA	CF	
201041101027	120116002050	TARUN	CF	
201041101042	120116002062	SACHIN	CF	
201041101048	120116002024	PARAMJEET	CF	
201041101064	120116002070	INDU	CF	
201041101087	120116002125	LALIT	CF	
201041101093	120116002126	KUNAL	CF	
201041101098	120116002130	ASHISH	CF	
201041101099	120116002087	VARSHA YADAV	CF	
201041101110	120116002097	RAJNI	CF	
201041101114	120116002100	VIPIN	CF	
201041101117	120116002135	CHIRAG	CF	
201041101118	120116002102	RACHNA	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Principles of Political Sciences-I(PPS-I)-S1**

Paper/Code : **31051**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041101122	120116002138	MOHIT	CF	
201041101124	120116002104	SOMVEER	CF	
201041101126	120116002141	MANJEET	CF	
201041101136	120116002149	ANKIT BAGORIA	CF	
201041101137	120116002150	MAHAVEER YADAV	CF	
201041101163	120116002179	HARSH	CF	
211041101001	1211161002002	PRIYANKA	18	Eighteen
211041101002	1211161002003	PINKY	18	Eighteen
211041101004	1211161002005	REKHA	18	Eighteen
211041101005	1211161002006	NIKKEE KUMARI	18	Eighteen
211041101006	1211161002007	ANITA	18	Eighteen
211041101007	1211161002008	SANGEETA YADAV	17	Seventeen
211041101008	1211161002009	NEETU KUMARI	18	Eighteen
211041101009	1211161002010	DESHANT THAKRAN	18	Eighteen
211041101013	1211161002014	INDU	18	Eighteen
211041101014	1211161002015	PREETI	18	Eighteen
211041101015	1211161002016	REENA SHARMA	18	Eighteen
211041101016	1211161002017	SHASHIBALA	18	Eighteen
211041101017	1211161002018	NEHA	18	Eighteen
211041101018	1211161002019	GAURAV YADAV	18	Eighteen
211041101020	1211161002021	URMILA	18	Eighteen
211041101021	1211161002022	GAGAN	16	Sixteen
211041101022	1211161002023	NIKITA	17	Seventeen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Principles of Political Sciences-I(PPS-I)-S1**

Paper/Code : **31051**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101026	1211161002028	PREETAM	16	Sixteen
211041101030	1211161002032	SAHIL	16	Sixteen
211041101031	1211161002033	KOKILA KUMARI	18	Eighteen
211041101032	1211161002034	GOLU	18	Eighteen
211041101033	1211161002035	SUJATA	18	Eighteen
211041101034	1211161002036	NIDHI	18	Eighteen
211041101035	1211161002037	GAURAV	16	Sixteen
211041101039	1211161002041	LAXMI	18	Eighteen
211041101040	1211161002042	PRIYANKA SINGH	18	Eighteen
211041101041	1211161002043	NISHA	17	Seventeen
211041101042	1211161002044	AAZAD	17	Seventeen
211041101045	1211161002047	MINAKSHI	18	Eighteen
211041101046	1211161002048	NEHA	18	Eighteen
211041101047	1211161002049	MUSKAN	18	Eighteen
211041101049	1211161002051	NISHA	17	Seventeen
211041101052	1211161002054	ANJALI	18	Eighteen
211041101053	1211161002055	SONAM	20	Twenty
211041101056	1211161002058	NISHA	17	Seventeen
211041101059	1211161002061	SUNITA	18	Eighteen
211041101062	1211161002064	BHARTI	18	Eighteen
211041101063	1211161002065	KOMAL KUMARI	18	Eighteen
211041101066	1211161002068	GOVIND	17	Seventeen
211041101069	1211161002071	CHANDAN	17	Seventeen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Principles of Political Sciences-I(PPS-I)-S1**

Paper/Code : **31051**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101070	1211161002072	LATA	17	Seventeen
211041101071	1211161002073	RINKU YADAV	18	Eighteen
211041101072	1211161002074	NIKESH	17	Seventeen
211041101073	1211161002075	ROHIT	18	Eighteen
211041101075	1211161002077	NARGIS	18	Eighteen
211041101077	1211161002079	NEHAL	18	Eighteen
211041101078	1211161002080	NEHA	18	Eighteen
211041101079	1211161002081	SHYAMBIR	17	Seventeen
211041101086	1211161002088	PREETI KUMARI	16	Sixteen
211041101087	1211161002089	SUMAN	18	Eighteen
211041101088	1211161002090	ANJALI SHARMA	18	Eighteen
211041101091	1211161002093	HEMANT	16	Sixteen
211041101092	1211161002094	VINEET	16	Sixteen
211041101093	1211161002095	ROHIT	16	Sixteen
211041101094	1211161002096	KIRAN KUMARI	18	Eighteen
211041101095	1211161002097	NIKITA	18	Eighteen
211041101099	1211161002101	SONIYA	18	Eighteen
211041101100	1211161002102	RAHUL	17	Seventeen
211041101101	1211161002103	SHEETAL	17	Seventeen
211041101102	1211161002104	RITU	17	Seventeen
211041101104	1211161002106	VINIT YADAV	17	Seventeen
211041101106	1211161002108	MOHIT	17	Seventeen
211041101107	1211161002109	EKTA	17	Seventeen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Principles of Political Sciences-I(PPS-I)-S1**

Paper/Code : **31051**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101110	1211161002112	DIYA	18	Eighteen
211041101113	1211161002115	RITIKA YADAV	18	Eighteen
211041101117	1211161002118	MANJEET SINGH	17	Seventeen
211041101118	1211161002119	AMIT YADAV	17	Seventeen
211041101125	1211161002126	POOJA	18	Eighteen
211041101126	1211161002127	SACHIN	17	Seventeen
211041101127	1211161002128	POOJA	18	Eighteen
211041101146	1211161002145	HIMANSHU	18	Eighteen
211041101149	1211161002148	OM PARKASH	17	Seventeen
211041101150	1211161002149	SUBHAM KHARERA	19	Nineteen
211041101158	1211161002160	DEEPAK SINGH	17	Seventeen
211041101168	1211161002170	ARCHNA	17	Seventeen
211041101169	1211161002171	AAKRITI	18	Eighteen
211041101176	1211161002177	VIKRAM SINGH	18	Eighteen
211041101181	1211161002182	RONAK	17	Seventeen
211041101183	1211161002184	RABI KUMAR GUPTA	16	Sixteen
211041101184	1211161002185	ISHWAR	16	Sixteen
211041101185	1211161002186	SANGRAM SINGH	17	Seventeen
211041101188	1211161002189	ROHIT KUMAR	16	Sixteen
211041101189	1211161002190	VINITA SAINI	18	Eighteen
211041101190	1211161002191	NITIN YADAV	16	Sixteen
211041101192	1211161002194	TARUN	16	Sixteen
211041101193	1211161002195	PRIYA	17	Seventeen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Principles of Political Sciences-I(PPS-I)-S1**

Paper/Code : **31051**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101196	1211161002198	SANDEEP	16	Sixteen
211041101199	1211161002201	RAMAN KANT	17	Seventeen
211041101202	1211161002204	MANISHA	18	Eighteen
211041101205	1211161002207	AMIT KUMAR	16	Sixteen
211041101206	1211161002208	VIPUL	16	Sixteen
211041101207	1211161002209	HEMA	18	Eighteen
211041101209	1211161002211	ARJUN	18	Eighteen
211041101210	1211161002212	ANKIT	16	Sixteen
211041101211	1211161002213	ISHU	16	Sixteen
211041101217	1211161002219	UMESH	18	Eighteen
211041101218	1211161002220	NEERAJ SANGWAN	16	Sixteen
212281101009	1211221002007	KOMAL	18	Eighteen
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Physical Activity & Health-S1**

Paper/Code : **31091**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
191041101062	2996210054	YOGESH KUMAR	CF	
191041101131	2996210092	SACHIN KUMAR	10	Ten
191041101153	2996210099	MANOJ KUMAR	CF	
201041101044	120116002064	PRAVEJ	CF	
201041101079	120116002121	SAHIL	CF	
201041101120	120116002137	MANISH	CF	
201041101143	120116002155	BHARAT	CF	
211041101010	1211161002011	REETU	15	Fifteen
211041101012	1211161002013	JYOTI	14	Fourteen
211041101023	1211161002024	DIMPY	15	Fifteen
211041101024	1211161002025	MINAKSHI	15	Fifteen
211041101025	1211161002026	DIPANSHI	15	Fifteen
211041101038	1211161002040	ANNU	15	Fifteen
211041101043	1211161002045	ARCHANA	15	Fifteen
211041101048	1211161002050	HARISH	07	Seven
211041101050	1211161002052	SUDHIR	12	Twelve
211041101057	1211161002059	VARSHA	15	Fifteen
211041101058	1211161002060	NEETU	15	Fifteen
211041101061	1211161002063	NEELAM	15	Fifteen
211041101064	1211161002066	NAVEEN	10	Ten
211041101065	1211161002067	PALAK	15	Fifteen
211041101067	1211161002069	PREETI	15	Fifteen
211041101076	1211161002078	PIYUSH YADAV	07	Seven

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Physical Activity & Health-S1**

Paper/Code : **31091**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101085	1211161002087	HARSH KUMAR	07	Seven
211041101090	1211161002092	BABITA	15	Fifteen
211041101096	1211161002098	HEMANT	07	Seven
211041101097	1211161002099	RUPESH	07	Seven
211041101098	1211161002100	NITIN	07	Seven
211041101103	1211161002105	AMAN JANGHU	07	Seven
211041101109	1211161002111	MAMTA	15	Fifteen
211041101111	1211161002113	SHIVANI GAUR	15	Fifteen
211041101114	1211161002116	PRIYANKA	15	Fifteen
211041101115	1211161002153	HITESH CHOUDHARY	15	Fifteen
211041101116	1211161002117	DEVENDER	07	Seven
211041101119	1211161002120	SANGEETA	15	Fifteen
211041101120	1211161002121	INDU	15	Fifteen
211041101121	1211161002122	NEHA	15	Fifteen
211041101124	1211161002125	MUSKAN	15	Fifteen
211041101129	1211161002130	LALIT	07	Seven
211041101133	1211161002134	SACHIN	07	Seven
211041101135	1211161002136	MITALI RAGHAV	15	Fifteen
211041101136	1211161002137	PARMILA SAINI	15	Fifteen
211041101139	1211161002154	LAKSHAY	12	Twelve
211041101140	1211161002140	SANGEETA	15	Fifteen
211041101142	1211161002142	AARTI	14	Fourteen
211041101143	1211161002155	MONI	15	Fifteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Physical Activity & Health-S1**

Paper/Code : **31091**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101147	1211161002146	KOMAL KUMARI	15	Fifteen
211041101151	1211161002150	NEETU KUMARI	15	Fifteen
211041101152	1211161002151	DIWAKAR KUMAR	10	Ten
211041101154	1211161002156	SACHIN	14	Fourteen
211041101155	1211161002157	TANNU	15	Fifteen
211041101156	1211161002158	PRATAP YADAV	07	Seven
211041101157	1211161002159	JATIN YADAV	07	Seven
211041101159	1211161002161	ASHISH	07	Seven
211041101162	1211161002164	SANJAY DAYMA	12	Twelve
211041101164	1211161002166	NANDNI	15	Fifteen
211041101170	1211161002172	MS. KOMAL	15	Fifteen
211041101174	1211161002175	HARSH	10	Ten
211041101175	1211161002176	SATRUDHAN	10	Ten
211041101177	1211161002178	RAHUL YADAV	10	Ten
211041101178	1211161002179	PAWAN YADAV	08	Eight
211041101179	1211161002180	HIMANSHU	12	Twelve
211041101186	1211161002187	SHUBHAM	13	Thirteen
211041101187	1211161002188	SACHIN	13	Thirteen
211041101200	1211161002202	AAWAJ	15	Fifteen
211041101201	1211161002203	KOMAL	15	Fifteen
211041101213	1211161002215	NITIN KUMAR	13	Thirteen
211041101214	1211161002216	KARISHMA	12	Twelve
211041101215	1211161002217	PRAVEEN KUMAR	14	Fourteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



**INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA**

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Physical Activity & Health-S1**

Paper/Code : **31091**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Microeconomics-S1**

Paper/Code : **31071**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
181041101020	2114920014	SANDHYA KUMARI	CF	
181041101099	2114910062	KAPIL	CF	
181041101104	2114910045	PARDEEP	CF	
191041101004	2996210005	VIKAS TANWAR	CF	
191041101044	2996210049	MITESH KUMAR	CF	
191041101046	2996210035	SUMIT YADAV	CF	
191041101173	2996210133	ECKLAVYA YADAV	CF	
201041101018	120116002009	AMAN	CF	
201041101024	120116002014	PREM LATA	CF	
201041101025	120116002049	RITU	CF	
201041101096	120116002128	SHIVANI	CF	
201041101125	120116002140	SUNITA	CF	
201041101133	120116002146	GUNJAN KUMARI	CF	
201041101152	120116002164	ROBIN SINGH	CF	
201041101190	120116002204	JILANI	CF	
211041101011	1211161002012	TAMANNA	19	Nineteen
211041101076	1211161002078	PIYUSH YADAV	08	Eight
211041101115	1211161002153	HITESH CHOUDHARY	14	Fourteen
211041101116	1211161002117	DEVENDER	08	Eight
211041101119	1211161002120	SANGEETA	14	Fourteen
211041101120	1211161002121	INDU	14	Fourteen
211041101121	1211161002122	NEHA	14	Fourteen
211041101129	1211161002130	LALIT	12	Twelve

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Microeconomics-S1**

Paper/Code : **31071**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101133	1211161002134	SACHIN	08	Eight
211041101135	1211161002136	MITALI RAGHAV	17	Seventeen
211041101136	1211161002137	PARMILA SAINI	15	Fifteen
211041101140	1211161002140	SANGEETA	15	Fifteen
211041101141	1211161002141	NEHA	16	Sixteen
211041101142	1211161002142	AARTI	13	Thirteen
211041101144	1211161002143	JYOTI	15	Fifteen
211041101145	1211161002144	SANJU	15	Fifteen
211041101147	1211161002146	KOMAL KUMARI	15	Fifteen
211041101148	1211161002147	NIKHIL YADAV	08	Eight
211041101155	1211161002157	TANNU	16	Sixteen
211041101156	1211161002158	PRATAP YADAV	08	Eight
211041101157	1211161002159	JATIN YADAV	08	Eight
211041101159	1211161002161	ASHISH	08	Eight
211041101160	1211161002162	SANJU	15	Fifteen
211041101162	1211161002164	SANJAY DAYMA	14	Fourteen
211041101164	1211161002166	NANDNI	17	Seventeen
211041101170	1211161002172	MS. KOMAL	15	Fifteen
211041101175	1211161002176	SATRUDHAN	08	Eight
211041101186	1211161002187	SHUBHAM	14	Fourteen
211041101187	1211161002188	SACHIN	14	Fourteen
211041101191	1211161002193	ANKIT	17	Seventeen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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**INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA**

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Microeconomics-S1**

Paper/Code : **31071**

Max Marks : **20**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **31062**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
191041101131	2996210092	SACHIN KUMAR	12	Twelve
201041101006	120116002036	RICHA	CF	
201041101018	120116002009	AMAN	CF	
201041101025	120116002049	RITU	CF	
201041101042	120116002062	SACHIN	CF	
201041101046	120116002066	SUMIT KUMAR	CF	
201041101061	120116002111	MONI	CF	
201041101067	120116002114	MOHIT	CF	
201041101068	120116002115	SHISH PAL	CF	
201041101072	120116002074	SIDHARTH	CF	
201041101079	120116002121	SAHIL	CF	
201041101087	120116002125	LALIT	CF	
201041101093	120116002126	KUNAL	CF	
201041101098	120116002130	ASHISH	CF	
201041101099	120116002087	VARSHA YADAV	CF	
201041101110	120116002097	RAJNI	CF	
201041101124	120116002104	SOMVEER	CF	
201041101134	120116002147	KAMAL YADAV	CF	
201041101136	120116002149	ANKIT BAGORIA	CF	
201041101141	120116002153	NAWAL SINGH	CF	
201041101142	120116002154	PREETAM SINGH	CF	
201041101143	120116002155	BHARAT	CF	
201041101159	120116002174	ANITA	CF	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **31062**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041101163	120116002179	HARSH	CF	
201041101169	120116002181	RITU	CF	
211041101003	1211161002004	VARSHA	14	Fourteen
211041101004	1211161002005	REKHA	14	Fourteen
211041101008	1211161002009	NEETU KUMARI	14	Fourteen
211041101011	1211161002012	TAMANNA	14	Fourteen
211041101017	1211161002018	NEHA	14	Fourteen
211041101018	1211161002019	GAURAV YADAV	14	Fourteen
211041101020	1211161002021	URMILA	14	Fourteen
211041101021	1211161002022	GAGAN	7	Seven
211041101022	1211161002023	NIKITA	14	Fourteen
211041101026	1211161002028	PREETAM	12	Twelve
211041101027	1211161002029	NIKHIL	7	Seven
211041101028	1211161002030	DEEPAK	7	Seven
211041101030	1211161002032	SAHIL	8	Eight
211041101032	1211161002034	GOLU	14	Fourteen
211041101034	1211161002036	NIDHI	14	Fourteen
211041101035	1211161002037	GAURAV	8	Eight
211041101036	1211161002038	ROHAN KUMAR	8	Eight
211041101037	1211161002039	NEERAJ	8	Eight
211041101044	1211161002046	TANU	14	Fourteen
211041101047	1211161002049	MUSKAN	14	Fourteen
211041101049	1211161002051	NISHA	9	Nine

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **31062**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101053	1211161002055	SONAM	14	Fourteen
211041101054	1211161002056	HEMLATA	13	Thirteen
211041101055	1211161002057	PREETI	9	Nine
211041101059	1211161002061	SUNITA	14	Fourteen
211041101060	1211161002062	TANISHA	13	Thirteen
211041101062	1211161002064	BHARTI	14	Fourteen
211041101063	1211161002065	KOMAL KUMARI	14	Fourteen
211041101071	1211161002073	RINKU YADAV	14	Fourteen
211041101086	1211161002088	PREETI KUMARI	12	Twelve
211041101091	1211161002093	HEMANT	08	Eight
211041101092	1211161002094	VINEET	13	Thirteen
211041101095	1211161002097	NIKITA	13	Thirteen
211041101100	1211161002102	RAHUL	7	Seven
211041101101	1211161002103	SHEETAL	14	Fourteen
211041101104	1211161002106	VINIT YADAV	10	Ten
211041101105	1211161002107	NIKITA	14	Fourteen
211041101106	1211161002108	MOHIT	7	Seven
211041101108	1211161002110	MUSKAN	7	Seven
211041101113	1211161002115	RITIKA YADAV	14	Fourteen
211041101117	1211161002118	MANJEET SINGH	7	Seven
211041101118	1211161002119	AMIT YADAV	8	Eight
211041101123	1211161002124	KOMAL	12	Twelve
211041101125	1211161002126	POOJA	13	Thirteen

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **31062**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101126	1211161002127	SACHIN	8	Eight
211041101127	1211161002128	POOJA	14	Fourteen
211041101130	1211161002131	JYOTI	14	Fourteen
211041101131	1211161002132	OMBIR	12	Twelve
211041101132	1211161002133	NEHA KUMARI	13	Thirteen
211041101141	1211161002141	NEHA	13	Thirteen
211041101144	1211161002143	JYOTI	14	Fourteen
211041101145	1211161002144	SANJU	14	Fourteen
211041101148	1211161002147	NIKHIL YADAV	8	Eight
211041101149	1211161002148	OM PARKASH	8	Eight
211041101150	1211161002149	SUBHAM KHARERA	14	Fourteen
211041101158	1211161002160	DEEPAK SINGH	8	Eight
211041101160	1211161002162	SANJU	13	Thirteen
211041101165	1211161002167	SAKSHI	12	Twelve
211041101169	1211161002171	AAKRITI	13	Thirteen
211041101171	1211161002173	AAKASH	13	Thirteen
211041101181	1211161002182	RONAK	8	Eight
211041101184	1211161002185	ISHWAR	8	Eight
211041101188	1211161002189	ROHIT KUMAR	10	Ten
211041101190	1211161002191	NITIN YADAV	8	Eight
211041101191	1211161002193	ANKIT	14	Fourteen
211041101192	1211161002194	TARUN	12	Twelve
211041101196	1211161002198	SANDEEP	8	Eight

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **31062**

Max Marks : **15**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101197	1211161002199	RAVINA	14	Fourteen
211041101202	1211161002204	MANISHA	13	Thirteen
211041101205	1211161002207	AMIT KUMAR	8	Eight
211041101206	1211161002208	VIPUL	13	Thirteen
211041101207	1211161002209	HEMA	13	Thirteen
211041101209	1211161002211	ARJUN	8	Eight
211041101210	1211161002212	ANKIT	8	Eight
212281101009	1211221002007	KOMAL	13	Thirteen
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Partial Differential Equations-S2**

Paper/Code : **31122**

Max Marks : **7**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
171041101042	1374410048	PRAVEEN KUMAR	CF	
171041101072	1374410081	ANKIT	CF	
171041101155	1374420023	NEHA	CF	
201041101005	120116002004	MONIKA	CF	
201041101029	120116002016	MANISHA	CF	
201041101035	120116002020	SAHIL SHARMA	CF	
201041101036	120116002022	KRISHI	CF	
201041101039	120116002059	PRIYANKA KUMARI	CF	
201041101046	120116002066	SUMIT KUMAR	CF	
201041101054	120116002067	POONAM KUMARI	CF	
201041101126	120116002141	MANJEET	CF	
201041101152	120116002164	ROBIN SINGH	CF	
201041101161	120116002177	JYOTI	CF	
201041101184	120116002198	PARDEEP	CF	
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

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MEERPUR REWARI HARYANA

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B.A Internal Examination DEC-2022

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Statics-S3**

Paper/Code : **31123**

Max Marks : **7**

Minimum Pass Marks

Semester : Third Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
171041101042	1374410048	PRAVEEN KUMAR	CF	
171041101072	1374410081	ANKIT	CF	
171041101155	1374420023	NEHA	CF	
201041101005	120116002004	MONIKA	CF	
201041101029	120116002016	MANISHA	CF	
201041101035	120116002020	SAHIL SHARMA	CF	
201041101036	120116002022	KRISHI	CF	
201041101039	120116002059	PRIYANKA KUMARI	CF	
201041101046	120116002066	SUMIT KUMAR	CF	
201041101054	120116002067	POONAM KUMARI	CF	
201041101126	120116002141	MANJEET	CF	
201041101152	120116002164	ROBIN SINGH	CF	
201041101161	120116002177	JYOTI	CF	
201041101184	120116002198	PARDEEP	CF	
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

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OFFICE OF THE PRINCIPAL GOVT COLLEGE KHARACHARA
REWARI

खुशी

संश्लेषण के अंतर्गत प्रश्नों के उत्तर प्राप्त
किए हैं कि Internal Assessment के की गई हैं व
whatsapp group में व Notice Board पर भी की
गई हैं यदि किसी प्रश्न के अति Query है
तो व Concerned teacher से 30/12/2023 तक
संपर्क करें 102/01/24 तक यह पोस्टल के Lock
कर दिए जायेंगे ।

Sidhansh
Registrar

Munera

Principal
Govt. Kharchara
Rewari