# DEPARTMENT OF GEOGRAPHY SCHEME AND SYLLABUS OF EXAMINATION FOR

UG Programme with Single Major: Scheme-C of Geography Duration 4 Years (8 Semesters)w.e.f. Academic Session 2023-24

Course Code	Course Title	Credit	L : T : P: CH	Ma	rnal rks		ernal irks		otal arks
Core Courses	Design and the second s	7 1 M 3 4 m 6 m 6 m		Th	Pr	Th	Pr		Max
GEO-23/MCC - 101	Introduction to Geography of India	AND DESCRI	THE CHARLES	<b>1</b>	wild to the		That	J. 144	1.1
GEO-23/MCC - 102	Resource Geography	4	3:0:1:5	20	10	50	20	40	100
Minor/Vocational Cou	rsee	4	3:0:1:5	20	10	50	20	40	100
GEO-23/ M-101	Physical Geography of India		the thirt restricts by Sandala	1146 4	No. of the	uri i i z	with the	1 14	1. (1)
Multidisciplinary Cour	rses chography of india	4	3:0:1:5	20_	10	50	20	40	100
GEO-23/MDC - 101	Geography in Everyday Life	BWH-MID.		於學生	jk IV led	A ANT TO	15 . E = 1		H. Alde
Ability Enhancement (	Courses	ret a succession	2:0:1:4	15	05	35	20	30	75
AEC- 01	Communicative English - 1	40 07 to 15 to		4.34	All The		TARE!	r ij	J. 89.
Skill Enhancement Co	urses	2 2 4	2:0:0:2	15		35	-	20	50
SEC- 01	Basics of IT Tools	200 Part (8 de)	eg Negral – 1957 – 1959 (j.)	流動力量	gi.	posti je		1.00	4. 特别
Value Added Courses	Dasies 0111 TOOIS	3	2:0:1:4	15	05	35	20	30	75
VAC-01	Human Values and Ethics (50%) /	A million to be		11/4/4-12	Jady, Ja	Mar a			i Balay
VAC-01	Environmental Studies (50%)	2	2:0:0:2	15	_	35		20	50
	Total	22	1000	, a <sup>(2)</sup>	4				550

	Semester	:-II			1000			6F (1986)	FACT BASE
Course Code	Course Title	Credit	L:T:P:CH		rnal rks	1	rnal rks	-	otal arks
Core Courses	An and the second of the secon	\$75 2 2.	rig" s tous our consumer	Th	Pr	Th	Pr		Max
GEO-23/MCC - 203	Fundamentals of Physical Geography-I	4	2 - 0 - 1 - 5						
GEO-23/DSEC - 201	Skills in Cartography		3:0:1:5	20	10	50	20	40	100
Minor/Vocational Cou	Irses 374 374 and a feet of the second	4	3:0:1:5	20	10	50	20	40	100
GEO-23/ M 202	Human Cleography of India							THE.	
Multidisciplinary Cou	irses	4	3:0:1:5	20	10	50	20	40	100
GEO-23/MDC - 202	Geography of the Environment	21 2	2.0.12.4		9.7			. = 10	
<b>Ability Enhancement</b>	Courses	atau pelinta de la co	2:0:1:4	15	05	35	20	30	75
AEC- 02	Communicative English - II	2	2:0:0:2	1.5	- 111	1 0 -	of the	1.00	44) 1940 44
Skill Enhancement Co	Durses		2:0:0:2	15	-	35	<u> </u>	20	50
GEO-23/SEC- 202	Computer Aided Cartography	% 1.3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2:0:1:4	1.5	-				学行物
Value Added Courses	Federal Control of the Control of th	3	2:0:1:4	15	05	35	_20	30	75
VAC-02	Environmental Studies (50%) /	20 SALE (1978) (1		r two tile.		a second	War ex	1-1-5	-y 2117.
VAC-02	Human Values and Ethics (50%)	2	2:0:0:2	15	-	35	-	20	50
	Total	22							550

Course Code	Course Title  Internship of 4-6 weeks duration after 2 <sup>nd</sup> semester		L:T:P:CH	Internal Marks		External Marks		Total Marks
				Th	Pr	Th	Pr	Min Max

Exit Option
Under Graduate Certificate in Geography (with 48 Credits)
graphy (with 40 Circuits)

Department of Geography, CRSU, Jind

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Course Code	Course Title	Credit	L:T:P:CH	Internal Marks		External Marks		To M:	otal arks
Core Courses				Th	Pr	Th	Pr	Min	Max
	生物性的基础的 医多种性 医多种性性神经炎性	HILL BOOK	A STATE OF THE STATE OF	STALE.	12.16	est Great	Marie (	Salata I To	Iviax
GEO-23/MCC - 304	Fundamentals of Physical Geography-II	T 4	3:0:1:5	20	10	50	20	40	1100
GEO-23/MCC - 305	Population Co. 1	4	3:0:1:5	20	10	50			100
Minor/Vocational Cor	urses	1	3.0.1.3		10	1 30	20	40	100
GEO-23/ M 303	Coccerd	T	2.0.1.5	20	1.0				11
Multidisciplinary Cou	irses 218 7 18 1 2 1 X X X X X X X X X X X X X X X X X	4	3:0:1:5	20	10	50	20	40	100
GEO-23/MDC - 303	11. 11. 11. 11. 11. 11. 11. 11. 11. 11.	ALEH LENGT			100		will be a	200	12.
Ability Enhancement	Courses	3	2:0:1:4	15	05	35	20	30	75
AEC- 03	And the state of t	The Control	BALL MANY DU B	ville) in	William S		e in the		Halley I
Skill Enhance	व्यवहारिक हिंदी – I	2	2:0:0:2	1.5	_	35		20	50
Skill Enhancement C GEO-23/SEC- 303			a time a la la la Alum	i wali in	tvian take		- Z. V 1	20	30
Volum A 2 2 103	Exploration of Geographical Landscapes	3	2:0:1:4	16	0.5	and Agency To		- 1,50	148.0
Value Added Courses	S A S S S S S S S S S S S S S S S S S S	J 33-33	2:0:1:4	15	05	35	20	30	75
GEO-23/VAC-303	Sustainable Development Goals	1	1 2 0 0 2 T			1914.4	300	2.4	1-14-14
	Total	2	2:0:0:2	15	-	35	•	20	50
	2 2 300	22	V. 6						550

	Semester	r-IV		* 1.45 kg.	35-7-6 Tu	1 × 1	While		di Oktob
Course Code	Course Title	Credit	L:T:P:CH		rnal	1	ernal arks		otal arks
Core Courses	**			Th	Pr	Th	Pr		Max
GEO-23/MCC - 406	Fundamentals of Human Geography				15 1, 4		1 1	94,23	100,000
GEO-23/MCC - 407	History and Philosophy of Geography	4	3:0:1:5	20	10	50	20	40	100
GEO-23/MCC - 408	Urban Geography	4	3:0:1:5	20	10	50	20	40	100
	Geography of T	4	3:0:1:5	20	- 10	50	20	40	100
GEO-23/DSE – 401	Geography of Tourism or	4	3:0:1:5	20	10	50	20	40	100
Minor/Vocational Cou	Geography of Health	4	3:0:1:5	20	10	50	20	40	100
GEO-23/ M 404(V)			The section of the section	The second					
Multidiasi-1:	Fundamentals of Remote Sensing	4	3:0:1:5	20	10	50			
Multidisciplinary Cou	rses	840W (477)	3.0.1.3	20	10	50	20	40	100
		-1		Africa y fa	3 78 57	1,1 - 21 10	is the		4574
Ability Enhancement (	Courses	X 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
AEC- 04	व्यवहारिक हिंदी – ॥	2	2.0.0.2	1 1 1			T Right	12	s flursifis Livegares
Skill Enhancement Co	urses		2:0:0:2	15	-	35	-	20	50
		Tours	72	a ang N	et bett	"Feb.	44	17. 19.	
Value Added Courses									
GEO-23/VAC-404	Understanding Climate Change	2	2:0:0:2		A Alexander	ARRE	5 4 4 5	AMY EVE	
	Total	2.4	2.0:0:2	15	-	35	-	20	50
		44							600

rancia de la cració	Internship	Courses		14. Wy	17.43			and the same	
Course Code	Course Title	Credit	L:T:P:CH	Internal Marks		External Marks		Total Marks	
				Th	Pr	Th	Pr		Max
INT 402	Internship of 4-6 weeks duration after 4 <sup>th</sup> semester (If not done after 2 <sup>nd</sup> semester)	4	0:0:4		30		70		100

Exit Option
Under Graduate Diploma in Geography (with 94 Credits)

Department of Geography, CRSU Jind

Course Code	Course Title	Credit	L : T : P: CH	Marks		External Marks		Total Marks	
Core Courses	The Assemble of The North Column 10 & The extreme transfer is not the management of the column and the second of the column and the column an	100000000000000000000000000000000000000		Th	Pr	Th	Pr		Max
The second secon							Lagran I		· 持个特殊
GEO-23/MCC - 509	Basics of Economic Geography	4	3:0:1:5	20	10	50	20	40	100
GEO-23/MCC - 510	Geography of Water Resources	4	3:0:1:5	20	10	50	20	40	
GEO-23/DSE – 502	Transport Geography or Cultural Geography	4 4	3:0:1:5 3:0:1:5	20 20	10	50 50	20 20 20	40 40	100 100 100
GEO-23/DSE – 503	Geography and Disaster Management or Biogeography	4 4	3:0:1:5 3:0:1:5	20 20	10	50 50	20 20	40	100
Minor/Vocational Co	urces at the second of the sec	andered Weldon zwer in	CANAL TELEVISION CONTRACTOR OF THE						100
GEO-23/M 505(V)	Fundamentals of GIS	4	7.0.1.6	20		如地景情	200	2.48	
Multidisciplinary Co	urses	54 54 An Francis	3:0:1:5	20	10	50	20	40	100
		and property	erengin sample sekeri Turk	1 5 65 %		1 313 1		200	
Ability Enhancement	Courses	vention in vectorial	Set that a Secretary of Commence	 etti. 1984 (197					
		etakul systember Mari		Die Art				West of	dhu.
Skill Enhancement C	Ourses	From the total total	AND THE STATE OF T						
INT201/INT402	Internship done after 2nd or 4th semester	han Maake	A CONTRACTOR				AUG 85		
Value Added Course	s and an and an and an	4	1 3/2 - 7 / 10		30		70	40	100
		Manual V. O. C.	(1.57) S. (1.64) S. (1.67)			M 479.8	1449	district.	<b>经投票</b>
	Total	24	037 <u>-</u> 574 \$	<u> </u>					
	1 44 34		Tall Williams	100					600

Course Code	Course Title	Credit	L:T:P:CH	Inte Ma			rnal		otal arks
Core Courses		<b>62</b> (4 )	The Control of the Co	Th	Pr	Th	Pr		Max
GEO-23/MCC - 611	Statistical Methods in Geography					是特性	Victoria Control		Fig. 5-4 190 C. Helisali
GEO-23/MCC - 612	Regional Development and Planning	4 isom	3:0:1:5	20	10	50	20	40	100
012	A aminute 1 C	4	3:0:1:5	20	10	50	20	40	100
GEO-23/DSE - 604	Agricultural Geography or	4	3:0:1:5	20	10	50	20	40	100
	Social Geography	4	3:0:1:5	20	10	50	20	40	100
GEO-23/DSE – 605	Soil Geography or	4	3:0:1:5	20	10	50	20	40	100
Minor/Vocational Cou	Political Geography	4	3:0:1:5	20	10	50	20	40	100
GEO-23/M 606(V)	그는 그는 그는 그는 그를 가는 것이 되는 것이 되었다. 그리고 있다면 가게 되었다.		Hay What of	1	46 FF 4 F	7.0115		in Manager	22 123 1989
Multidisciplinary Cou	Making of Maps	4	3:0:1:5	20	10	50	20	40	100
	irses	14. 25, 6 S. S.		91 (39)			20	1 40	100
Ability Enhancement	Courses	,							
	oourses	fills, Last		4700	NEW YOR	50 m 216	10 min 14	P. I. H. I. Sugar	逐編組織
Skill Enhancement Co	ourses							T	
GEO-23/SEC- 604	Field Survey based Report (Socio-				WENT	100	PESS		
	Economic)	2	1:0:1:3	10	05	20	15	20	50
Value Added Courses		450401400	Balanta de la compania del compania del compania de la compania del compania del compania de la compania del	1.00			13	20	50)
	9 10 11 4 14 15 16 14 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16			and the			STEER!	CERT	文計划
	Total	22							
		1 22							550

Exit Option

Bachelor with Major in (Geography) and Minor in () (with 136 Credits)

Department of Geography, CRSU, Jind

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	Semester	Credit	Credit L:T:P:CH	Internal Marks		External Marks		Ma	otal arks_
Course Code	Course Title			Th	Pr	Th	Pr	Min	Max
Major/Core Courses	in Honours	Nite College White College				14 73		T 10	100
GEO-23/CC - H701	Geography and Climate	4	4:0:0:4	20	10	50	20	40	100
GEO-23/CC - H702	Landforms: Origin, Structure and Process	4	4:0:0:4	20	10	50	20	40	100
GEO-23/CC - H703	Watershed Management	4	4:0:0:4	20	10	50	20	40	100
	ective Courses in Honours	(1.5 × 8/51)	ale allocation of the	and Mar	1,9 = 313	美效學子	(X) 4		
GEO-23/DSE – H701	Geography of Asia or Geography of Africa	4 4	4:0:0:4 4:0:0:4	20 20	10 10	50 50	20 20	40 40	100 100
Practicum Courses	Edited a resident of the property of the second sec	SWILLIAM		ann I	The state of the s	建物生物	Stiff		2.30
GEO-23/PC - H701	Surveying Techniques in Geography	4	0:0:4:8	20	10	50	20	40	100
Minor Courses in Ho	nours	144817	And the first the late	fara Y	Sale!	345.72			() 主题
GEO-23/CC-HM701	Population Dynamics and Policies	4	4:0:0:4	20	10	50	20	40	100
	Tota	24	h						600

What is the property of the second of the	Semester -	- VIII		Mag.	1985.4.5			AND THE REAL	
Course Code	Course Title	Credit	dit L:T:P:CH	Internal Marks		External Marks		Total Marks	
		-0.0	1 1	Th	Pr	Th	Pr	Min	Max
Major/Core Courses in	a Honours			S V. Fas	1110	4-2 11	e What is	12.2	1.30
GEO-23/CC - H804	Hazard Management-Natural	4	4:0:0:4	- 20	10	50	20	40	100
GEO-23/CC - H805	Research Methodology in Geography	4	4:0:0:4	20	10	50	20	40	100
GEO-23/CC - H806	Geography of Settlements	4	4:0:0:4	20	10	50	20	40	100
Discipline Specific Elec	ctive Courses in Honours					al Plank	130),44	245	- BIL \$
GEO-23/DSE – H802	Geography of Europe or	4	4:0:0:4 4:0:0:4	20 20	10 10	50 50	20 20	40	100
	Geography of North America		4.0.0.4	20	10		20	10	100
Practicum Courses				. 1			11.3		
GEO-23/PC - H802	Socio-Economic Field Survey	4	0:0:4:8	20	10	50	20	40	100
Minor Courses in Hon-	ours		Service services of the services of		187.7	\$ 45 p	alger E	1000	17814
GEO-23/CC-HM802	Hazard Management-Man Made	4	4:0:0:4	20	10	50	20	40	100
	Total	24		*					600
	28								_

Exit Option Bachelor (Honours) in Geography as Major Subject (with 184/180 Credits)

Deluhoon 20.07-1023 2017/27 April 2023

Course Code	Course Title		Credit L:T:P:CH		Internal Marks		External Marks		otal arks
Major/Core Courses in	Honours	rings his name	AND RESERVE CO. S. S. S. STORM OF ST. S. S. S. S. S. S. S.	Th	Pr	Th	Pr		Max
GEO-23/CC - H701	3. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.			12 8 3 7	<b>新校</b> 群	1374407		7727	RET
	Geography and Climate	4	4:0:0:4	20	10	50	20	40	100
GEO-23/CC - H703	Landforms: Origin, Structure and Process	4	4:0:0:4	20	10	50	20	40	100
	Watershed Management	4	4:0:0:4	20	10	50	20	40	100
Discipline Specific Ele	ctive Courses in Honours	Circulation and	Gelekant Aketa ette e		er Albertanie	Method w	Coper Sim	140	1100
GEO-23/DSE – H701	Geography of Asia or Geography of Africa	4 4	4:0:0:4 4:0:0:4	20	10	50	20	40	100
Practicum Courses	A CONTRACTOR OF THE CONTRACTOR	and keep officially	74 E	The Land					
GEO-23/PC - H701	Surveying Techniques in Geography	1	0:0:4:8	20	10		arein della	16 - 16 10 10 10 10 10 10 10 10 10 10 10 10 10	
Minor Courses in Hor	nours	- <b>-</b>	0.0.4.8		10	50	20	40	100
GEO-23/CC-HM701	Population Dynamics and Policies	4	4:0:0:4	20	10	50	30	la data (Ci	(A)
	Total		1.0.0.4	20	10	50	20	40	100 600

Course Code	Course Title	Credit	L:T:P:CH		rnal irks	1	ernal erks	1 -	otal arks
Major/Core Courses	in Honours	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the trade	Th	Pr	Th	Pr	Min	Max
GEO 22/GG Hast	T	1000			The Carlo			71.50	
GEO-23/CC - H804	Geography and Hazard Management	4	4:0:0:4	20	10	50	20	140	T 100
GEO-23/CC - H805	Research Methodology in Geography	4	4:0:0:4	20				40	100
Discipline Specific E	lective Courses in Honours		7.0.0.4	20	10	50	_ 20	40	100
-	2	4 7	- N &	100 - 100 -					Parker 12
Practicum Courses		a i lascia.	office for April 2010 to 100 t					<u></u>	
GEO-23/PC - H802	Project/ Dissertation	12	Land to the state of the second of the secon		T 00		1,16,44		
MinorCourses in Ho	nours	12	- may		90		210	120	300
GEO-23/CC-HM802		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100	2 146 1	1 - 1 4	1	7 1 129	170.12
=== 25: EE 111/1602	Sometic Ividit Ividic	16.4	4:0:0:4	20	10	50	20	40	100
	Total	24		-					600

Exit Option

Bachelor (Honours with Research) in Geography as Major Subject (with 184/180 Credits)

101 Sep. 201

# Chaudhary Ranbir Singh University, Jind Syllabus for Under Graduate Programmes as per NEP- 2020

Exit, Internships and Choice Based Credit System) w.e.f.2023-24 (M

Itiple Entry – Exit, Internships and Chore  MCC-A1				
	Session: 2023-24			
Part A – Introduction				
Subject	Geography			
Semester	I			
Name of the Course	Introduction to Geo			
Course Code	GEO-23/MCC - 101			
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VA C)	MCC			
Level of the course (As per Annexure-I	100-199			
Pre-requisite for the course (if any)	NA		1 2	
Course Learning Outcomes (CLO):	<ol> <li>provide knowled nation.</li> <li>understand the alliteracy.</li> <li>provide awaren of our nation.</li> </ol>	is course, the learner edge about the phy agriculture and irrigate basic demographess about the resour	rsiography of out tion system. ic structure an	
Credits	Theory	Practical	Total	
	03	01	04	
Contact Hours	03	02	05	
Max. Marks: 100 Internal Assessment Marks: 20 - End-Term Exam Marks: 50 + 20	+ 10 = 30 0 = 70	Time:3 hours		

Department of Geography, CRSU, Jind

#### PartB- Contents of the Course

### **Instructions for Paper-Setter**

Question 1 is compulsory comprising five sub-parts spread over the entire syllabus (two marks for each sub-part), to be answered in 15-20 words. There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	Geological history and regions of India.     Physiographic divisions of India.	12
II	<ol> <li>Drainage System and Soils of India.</li> <li>Climate and Natural Vegetation of India.</li> </ol>	11
III	<ul><li>5. Population: distribution, density and growth.</li><li>6. Population composition: sex ratio, rural and urban, literacy, work force, language and religion.</li></ul>	11
IV	<ul> <li>7. Resources: Production and distribution of iron ore, coal, petroleum, hydro power, solar and thermal power</li> <li>8. Industries: iron and steel, sugar and cotton textile; transport and communication</li> </ul>	11
	Instructions for external practical examiner: There will be three questions in all and candidate has to attempt two exercises.  Distribution of marks for evaluation  Exercise = 10 marks  File record = 5 marks  Viva-Voce = 5 marks	30
	A Company of the Comp	
	Practical Record: A project file consisting of 8 exercises on the below mentioned themes: -  1. Drawing of Isopleth lines on map of India (1 exercise)  2. Landuse pattern of India (pie chart-1 exercise)  3. Population distribution and density map of India (choropleth and dot method- 2 exercise)  4. Occupational structure, Sex ratio, Literacy, Population of selected metro cities of India (any 2 exercise)  5. Age and sex structure (pyramid diagram)	

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# Suggested Evaluation Methods

### Internal Assessment:

#### > Theory

Class Participation: 05 marks

• Seminar/presentation/assignment/quiz/class test etc.: 05 marks

Mid-Term Exam: 10 marks

### > Practicum

• Class Participation: NIL

• Seminar/Demonstration/Viva-voce/Lab records etc.:10 Marks

• Mid-Term Exam: NIL

### **End-Term** Examination:

50 Marks

20 Marks

#### **Part C-Learning Resources**

#### Recommended Books/e-resources/LMS:

1. Deshpande C. D. (1992) India: A Regional Interpretation, ICSSR, New Delhi.

2. Hussain M. (1992) Geography of India, Tata McGraw Hill Education

3. Johnson, B. L. C., ed. (2001) Geographical Dictionary of India. Vision Books, New Delhi.

4. Mamoria C. B. (1980) Economic and Commercial Geography of India, Shiva Lal Agarwala.

5. Mandal R. B. (ed.), (1990) Patterns of Regional Geography - An International Perspective. Vol. 3 – Indian Perspective.

6. Sdyasuk Galina and P Sengupta (1967) Economic Regionalisation of India, Census of India

7. Sharma, T. C. (2003) India - Economic and Commercial Geography. Vikas Publ., New Delhi. 6. Singh R. L. (1971) India: A Regional Geography, National Geographical Society of India.

8. Singh, Jagdish (2003) India - A Comprehensive & Systematic Geography, GyanodayaPrakashan, Gorakhpur.

9. Pathak, C. R. (2003) Spatial Structure and Processes of Development in India. Regional Science Assoc., Kolkata.

10. Sharma, T.C. (2013) Economic Geography of India. Rawat Publication, Jaipur

11. Spate O. H. K. and Learmonth A. T. A. (1967) India and Pakistan: A General and Regional Geography, Methuen.

12. Tirtha, Ranjit (2002) Geography of India, RawatPubls., Jaipur & New Delhi.

13. Tiwari, R.C. (2007) Geography of India. PrayagPustakBhawan, Allahabad

\*Applicable for courses having practical components.

	MCC-A2		
S	Session: 2023-24	}	
Pa	rt A-Introduction		
Subject	Geography		
Semester	I		
Name of the Course	Resource Geogra	nhv.	La Co
Course Code	GEO-23/MCC-1(		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/ DSE/PC/AEC/VAC)	MCC	72	
Level of the course (As per Annexure-I)	100-199	The state of the s	
Pre-requisite for the course (ifany)	NA 2		
CourseLearningOutcomes (CLOs):	acquaint with resource geographics and development     provide known management development.     provide known management.     provide known management.     provide known problems and problems and development.    5 * attain skills   1	owledge about c process of natural re- wledge on location, methods of resource	es and field of lassification and sources. conservation and es for sustainable oncepts, policies, source utilization.
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks: 100 Internal Assessment Marks: 20+1 End Term Exam Marks: 50+20	0 = 30 0 = 70	Time: 03 Hours	J

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### Part B- Contents of the Course

### Instructions for Paper-Setter

Question 1 is compulsory comprising of five sub parts spread over entire syllabus (two marks for each sub part), to be answered in 15-20 words. There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
Ι	<ol> <li>Nature, scope, techniques and importance of resource geography.</li> <li>Concepts of resource: exploitation, accumulation, poverty and resource degradation.</li> </ol>	11
II	<ol> <li>Classification of resources: renewable and non-renewable, biotic and abiotic resources.</li> <li>Relationship between natural resources and development process. Role of technology in natural resource development.</li> </ol>	. 11
III	<ul><li>5. Distribution, utilization, problems and management of land and water resources.</li><li>6. Distribution, utilization, problems and management of forest and mineral resources.</li></ul>	12
IV	<ul> <li>7. Models of natural resources process: Zimmermann's primitive and Kirk's decision models.</li> <li>8. Sustainable resource development; Policies and challenges of natural resource management.</li> </ul>	11
V*	Instructions for external practical examiner: There will be three questions in all and candidate has to attempt two exercises.  Distribution of marks for evaluation  Exercise = 10 marks  File record = 5 marks  Viva-Voce = 5 marks	30
	Practical Record: A project file consisting of 8 exercises on the below mentioned themes: -  1. Preparation of land use/land cover map of an area from topographical sheets and aerial photographs (2 exercises).	
	<ol> <li>Mapping of forest cover of an area from topographical sheets and aerial photographs (2 exercises).</li> <li>Mapping of water bodies of an area from topographical sheets and aerial photographs (2 exercises).</li> <li>Decadal changes in country-wise production of coal and iron ore with comparative decadal changes (2 exercises).</li> </ol>	

	Suggested Evaluation Methods			
	rnal Assessment: Theory	End Term Examination:		
> •	Class Participation: 05 Marks Seminar/presentation/assignment/quiz/class test etc.: 05 Marks Mid-Term Exam: 10 Marks	50 Marks		
>> •	Practicum Class Participation: NIL Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks Mid-Term Exam: NIL	20 Marks		

#### Part C-Learning Resources

### Recommended Books/e-resources/LMS:

1. Barbier, EB (2005) Natural Resources and Economic Development, Cambridge University Press, Cambridge.

2. Bhatta, B (2011) Remote Sensing and GIS, Oxford University Press, New Delhi.

3. Borton, I and Kates, RW (1984) Readings in Resource Management and Conservation, University of Chicago Press, Chicago.

4. Bruce, M (1989) Geography and Resource Analysis, John Wiley and Son, New York.

5. Chiras, DD and Reganold, JP (2009) Natural Resource Conservation: Management for a Sustainable Future, Pearson, New Delhi.

6. Cutter SN, Renwich HL and Renwick W (1991) Exploitation, Conservation, Preservation: A Geographical Perspective on Natural Resources Use, John Wiley and Sons, New York.

7. Gadgil M and Guha R (2005) The Use and Abuse of Nature: Incorporating This Fissured Land: An Ecological History of India and Ecology and Equity, Oxford University Press, USA.

8. Gautam, A (2013) Geography of Resources: Exploitation, Conservation and

Management. Sharda PustakBhawan, Allahabad.

9. Guha, JL and PR Chattroj (1994) Economic Geography-A Study of Resources, The World Press, Calcutta.

10. Holechek JLC, Richard A, Fisher JT and Valdez R (2003) Natural Resources: Ecology, Economics and Policy, Prentice Hall, New Jersey.

11. Jones G and Hollier G (1997) Resources, Society and Environmental Management, Paul Chapman, London.

12. Klee G (1991) Conservation of Natural Resources, Prentice Hall, Englewood.

- 13. Lillesand, TM, Kiefer, RW and Chipman, JW (2015) Remote Sensing and Image Interpretation, John Wiley and Sons, New York.
- 14. Martino, RL (1969) Resource Management. Mc Graw Hill Book Company, London.
- 15. Mather AS and Chapman K (1995) Environmental Resources, John Wiley and Sons, New York.
- 16. Mitchell B (1997) Resource and Environmental Management, Longman Harlow, England.
- 17. Negi, BS (2000) Geography of Resources, KedarNath and Ram Nath Publications, Meerut.
- OS (1971) Natural Resource Conservation: An Ecological Approach,

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McMillion, New Delhi.

- 19. Owen S and Owen PL (1991) Environment, Resources and Conservation, Cambridge University Press, New York.
- 20. Raja, M (1989) Renewable Resources, Development, Concept Publication, New Delhi. 21. Rees J (1990) Natural Resources: Allocation, Economics and Policy, Routledge,

22. Roy, PK (2006) Resource Studies, New Central Book Agency, Calcutta. 23. Shetty, R (2009) An Analysis of World Resources with reference to India, Sarala Raj

24. Zimmermann, EW (1951) World Resources and Industries, Harper and Brothers, New

\*Applicable for courses having practical component.

19. Owen S and Owen PL (1991) Environment, Resources and Conservation, Cambridge

20. Raja, M (1989) Renewable Resources, Development, Concept Publication, New Delhi.

21. Rees J (1990) Natural Resources: Allocation, Economics and Policy, Routledge, London.

22. Roy. PK (2006) Resource Studies. New Central Book Agency, Calcutta.

23. Shetty, R (2009) An Analysis of World Resources with reference to India, Sarala Raj Ria Publishers, Mysore.

24. Zimmermann, EW (1951) World Resources and Industries. Harper and Brothers. New Delhi.

\*Applicable for courses having practical component.

	CC-M1		•
	Session: 2023-24		
Part A - Introduction			
Subject	Geography		
Semester	I		
Name of the Course	Physical Geography	of India	
Course Code	GEO-23/M-101	Delta.	
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VA C)	CC-M1		
Level of the course (As per Annexure-1	100-199		
Pre-requisite for the course (if any)	N.A.		the property of the second
Course Learning Outcomes (CLO):	<ol> <li>understand the of India.</li> <li>enrich skills hydrological resunderstand the acquire knowled soils found in Indiana.</li> </ol>	climate and its characedge about different ndia.	siographic structure estem and various esteristics. types of flora and
	associated with phy	in solving various ysical aspects of Indi	practical problem a.
Credits	Theory	Practical	Total
	03	01	04
Contact Hours	03	02	05
Max. Marks: 100 Internal Assessment Marks: 20 End-Term Exam Marks: 50	0+10 =30 0+20 = 70	Time:3 hours	**************************************

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### Part B- Contents of the Course

# **Instructions for Paper-Setter**

Question 1 is compulsory comprising of five sub parts spread over entire syllabus (two marks for each sub part). There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
1	<ol> <li>Geological history and regions of India.</li> <li>Physiographic structure and divisions.</li> </ol>	12
II	<ul><li>3. Drainage system of India.</li><li>4. Climatic zones of India (Koppen).</li></ul>	10
III	<ul> <li>5. Natural vegetation: classification, distribution and interrelationships</li> <li>6. Biosphere reserves of India and policies.</li> </ul>	13
IV	<ul><li>7. Soils: classification, distribution and inter-relationships.</li><li>8. Geological and Climatological disasters.</li></ul>	10
] ] 1	Instructions for external practical examiner: There will be three questions in all and candidate has to attempt two exercises.  Distribution of marks for evaluation  Exercise = 10 marks  File record = 5 marks  Viva-Voce = 5 marks  Practical Record: A project file consisting of 8 exercises on the pelow mentioned themes: -  1. Annual trend of temperature for more than three decades (maximum, minimum and mean) (2 exercises).  2. Preparation of Rainfall distribution and deviation diagram of Rainfall of India (2 exercises).  3. Preparation of an inventory of flora and fauna (2 exercise).  4. Preparation of an inventory of major natural disasters in past one decade in India (2 exercise).	30

# Suggested Evaluation Methods

Internal Assessment:	
> Theory	End-Term
• Class Participation: 05 Marks	Examination:
<ul> <li>Seminar/presentation/assignment/quiz/class test etc.: 05 Marks</li> <li>Mid-Term Exam: 10 Marks</li> </ul>	50 Marks
> Practicum	
Class Participation: NIL	20 Marks
• Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks	A STATE OF THE STA
Mid-Term Exam: NIL	

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# **Part C-Learning Resources**

# Recommended Books/e-resources/LMS:

- Deshpande, C.D. (1992) India-A Regional Interpretation, Northern Book Depot, New
- 2. Hussain Majid (2015) Geography of India, Mc Graw Hill Education.
- Shafi, M. (2000) Geography of South Asia, McMillan and Company, Calcutta.
- 4. Singh, Gopal (2006) Geography of India, Atma Ram and Sons, New Delhi.
- 5. Singh, R.L. (1971) India: A Regional Geography, National Geographical Society, India,

\*Applicable for courses having practical components.

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	MDC-1		51
	Session: 2023-2	24	
	Part A - Introduc	ction	
Subject	Geography		
Semester	I		· · · · · · · · · · · · · · · · · · ·
Name of the Course	Geography in Eve	eryday Life	-
Course Code	GEO-23/MDC-10		
CourseType: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VA C)	MDC		
Level of the course (As per Annexure-I	100-199		
Pre-requisite for the course (ifany)	N.A.		P. P
Course Learning Outcomes (CLO):	its surrounding 2. enrich skills a surrounding e 3. understand the	about various elementing various element.	ents that compose th
Credits	Theory	Practical	Total
en anno esta cominga perca e estamones en a monercipe na mas de nastenantes sector en encontra	02	01	03
Contact Hours	02	02	04
Max. Marks:100 Internal Assessment Marks: 15+0 End-Term Exam Marks: 35+2	05 =20 0 = 55	Time:3 hours	

#### Part B-Contents of the Course

#### **Instructions for Paper-Setter**

Question 1 is compulsory comprising of seven sub parts spread over entire syllabus (one marks for each sub part). There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	<ol> <li>Solar System: location, shape and uniqueness of earth.</li> <li>Formation of Day/night, Seasons and Various movements of Earth.</li> </ol>	7
11	<ol> <li>Continents and Oceans on Earth.</li> <li>Latitude, Longitude, Times zones and International dateline.</li> </ol>	7
111	<ul><li>5. Atmosphere: structure and composition.</li><li>6. Elements of weather and climate.</li></ul>	8
IV	<ul><li>7. Types of Vegetation.</li><li>8. Climate change and human being.</li></ul>	8
V*	Instructions for external practical examiner: There will be three questions in all and candidate has to attempt two exercises.  Distribution of marks for evaluation  Exercise = 10 marks  File record = 5 marks  Viva-Voce = 5 marks	30
	Practical Record: A project file consisting of 8 exercises on the below mentioned themes: -  1. Solar System (1 exercises).  2. Solstices and Equinoxes (2 exercise)  3. Antipodal arrangement of land and water (1 exercise)  4. Drawing of latitudes and longitudes (2 exercise)  5. Time zones of World (1 exercise)  6. Calculation of time in eastern and western hemisphere (2 exercise)  7. International Date Line (advancement/reduction of day (2 exercise)	

### **Suggested Evaluation Methods**

Internal Assessment:  ➤ Theory  • Class Participation: 05 Marks	End-Term Examination:
	35 Marks
<ul> <li>Practicum</li> <li>Class Participation: NIL</li> </ul>	20 Marks

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- Seminar/Demonstration/Viva-voce/Lab records etc.: 05 Marks
- Mid-Term Exam: NIL

# **Part C-Learning Resources**

# Recommended Books/e-resources/LMS:

- 1. NCERT (2017), The Earth: Our Habitat, National Council for Education, Research and Training, Sri Aurobindo Marg, New Delhi.
- 2. Ojha, S K (2022) World Geography, Baudhik Prkashan, Pryagraj, UP.
- 3. Husain Majid (2018) Indian and World Geography, McGraw Hill Education (India) Private Limited, Channai.

\*Applicable for courses having practical components.