

FYUGP/2nd Sem/24(NEP)PR

2024

Four Year Under Graduate Programme (FYUGP)

2nd Semester Examination (Under NEP)

GEOGRAPHY (Major)

Paper Code : GEOMJ MC-03 B

[Human Geography]

(Practical)

Set-I

Full Marks : 15

Time : Two Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers

in their own words as far as practicable.

1. Locate the mean centre of population on the map of Howrah district (Map-1) based on the data given below.

7

P.T.O.

(2)

Name of Block	Total Population
Bally-Jagacha	209504
Domjur	377588
Panchla	251930
Sankrail	343933
Jagatballavpur	257941
Uluberia-I	251392
Uluberia-II	191599
Amta-I	223218
Amta-II	208132
Udaynarayanpur	190186
Bagnan-I	221500
Bagnan-II	164405
Shyampur-I	205849
Shyampur-II	196164

Source : District Statistical Handbook, 2013

(3)

2. Calculate the HDI of the following countries. Comment on the result. **4+1**

Sl. No.	Country	Life Expectancy at Birth (Years)	Mean Year of Schooling (Years)	Expected Year of Schooling (Years)	GNI per capita (USD)
1	India	67.7	12.6	6.6	6951
2	Myanmar	67.3	12.1	6.5	4038
3	Nepal	70.5	12.6	4.5	4026
4	Maximum	85	15	18	75000
5	Goal test Minimum	20	0	0	100

Source : HDR, 2023-24

3. Laboratory notebook and Viva-voce. **1½+1½**

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GEOGRAPHY (Major)

Paper Code : GEOMJ MC-04 B

[Geography of India]

(Practical)

Set-I

Full Marks : 15

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

1. Prepare a geological section along the line given on the geological map. Write about the geological structure of the prepared geological section. 5+2
 2. Identify the 5 specimen of the given rocks and minerals. Write at least one characteristic of each specimen relevant for megascopic identification of rocks and minerals. 2½+2½
 3. Laboratory notebook and Viva-voce. 1½+1½
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GEOGRAPHY (Major)

Paper Code : GEOMJ SEC-02B

[Basics of Surveying Techniques]

Practical

Set - I

Full Marks : 15

Time : Two Hours

The figures in the margin indicate full marks.

1. (A) The following observations were recorded during Theodolite survey (Base accessible method), with this data determine the height of the object (X) from the station of observation.

Station	Object	Mean angle	Remarks
P	Top of the Tower (X)	20°30'	Instrument height at P station = 4.50 feet & Horizontal distance between station P & Object = 30 feet

P.T.O.

GN-19/47 - 400

7.475
7.395

(2)

- ✓(B) Calculate the Back bearing from the given Fore bearing.

Line	Fore bearing
AB	45°30'
BC	132°45'
CD	227°00'
DA	315°15'

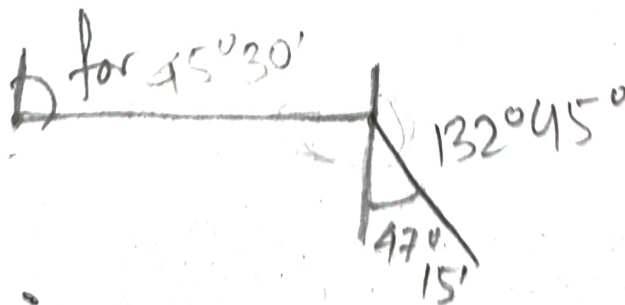
3+2=5

2. Prepare a field book of ABC closed Traverse, surveyed by prismatic compass. After taking the readings of fore bearing, back bearing and length of each station from ground, plot the traverse with necessary corrections. 7

Or

Prepare a field book for Levelling by Dumpy Level along a line with total length 12 metre at an interval of 2 metre. Compute the RL of each station when BM is 25.5 metre at the last point. Draw the Longitudinal profit with suitable scale (No change point is necessary). 7

3. Laboratory note book and viva-voce. $1\frac{1}{2}+1\frac{1}{2}=3$



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GEOGRAPHY (Major)

Paper Code : GEOMJ SEC-02B

[Basics of Surveying Techniques]

Practical

Set - I

(In case of inclement weather)

2. (A) The following observations were recorded with a Dumpy level for common interval of 3 meter. Determine the Reduced Level in Rise & Fall method of all stations adopting 100 meter as a Bench marks of first station and carry out the necessary checks.

P.T.O.

(. 2)

Station	Distance (m)	Staff reading (m)			Remarks
		BS	IS	FS	
A	0	0.585			
B	3	1.855		2.955	CP
C	6		1.265		
D	9		2.925		
E	12	2.350		0.350	CP
F	15		2.855		
G	18	2.685		1.655	CP
H	21			2.435	

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(B) The following observations were recorded with a Transit theodolite (In Base accessible case). Determine the horizontal distance between station and object.

Station	Object	Mean staff reading (m)			Remarks
		US	MS	LS	
A	Top of the Tower	1.800	1.550	1.00	Staff reading taken at 0°

$5+2=7$