

NEW

Part-II 3-Tier

2015

GEOGRAPHY

(General)

PAPER—III (Set-1)

(PRACTICAL)

Full Marks : 100

Time : 6 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all questions.

1. (a) Construct a linear scale with R.F 1 : 50,000 to read miles in the primary part & furlong in the secondary part respectively.

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- (b) Draw a climographs on the basis of the given data. Also interpret and identify the climatic type.

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(Turn Over)

Months	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Wet Bulb Temp (°F)	32.4	36.8	42.5	30.1	62.2	68.6	72.1	68.7	67.0	64.9	52.4	38.1
Relative Humidity(%)	79	69	65	57	45	55	55	42	55	45	45	52

2. (a) The following data show the population and area of 15 police stations of Birbhum district. Draw a choropleth map from this data on the map supplied. Select four to five equal classes for this purpose.

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PS No.	Area in sq. km.	Population
1.	356.9	208843
2.	359.5	209832
4.	381.0	187727
5.	313.4	92853
6.	221.2	54139
7.	273.5	100817
8.	359.5	134191
9.	292.4	156576
10.	259.5	99064
11.	311.1	153399
12.	336.0	166435
13.	271.2	130132
14.	309.2	142952
15.	272.5	136029
16.	328.2	201258

- (b) Draw the graticules of Polar Zenithal Stereographic Projection for Southern Hemisphere on a scale of 1 : 130,000,000, at an interval of 15°.

15

3. Interpret the given topographical map with suitable sketches and diagrams under the following heads —

- (a) Major relief characteristics.
- (b) Drainage network and its relationship with the physiographic form of the area.
- (c) Draw a Transect chart (16 cm length) to show the relationship between physical and cultural features.

6+7+7

4. (a) Make a closed traverse survey using Prismatic Compass for the area of ABCD and —

- (i) Enter the reading on a neatly drawn field book.
- (ii) Complete the table with necessary calculation and correction.
- (iii) Plot the traverse on suitable scale.

8+2+5

- (b) Prepare a survey questionnaire with atleast 15 questions to study the forest based socio economy of a tribal community.

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5. Laboratory Note Book and Viva-Voce.

5+5

NEW

Part-II 3-Tier

2015

GEOGRAPHY

(General)

PAPER—III (Set-2)

(PRACTICAL)

Full Marks : 100

Time : 6 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all questions.

1. (a) Construct a diagonal scale representing 1 (one) inch to 10 mile showing a distance of 34.5 mile. 10

- (b) Draw age-sex pyramid and indicate the population age-sex structure from the following data. 10

Age group	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70+
Male Population	675	673	604	540	402	375	260	130
Female Population	645	698	652	502	366	320	201	92

2. (a) Draw a choropleth map of cropping intensity of West Bengal from the following data. (map enclosed)

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Sl. No.	District	Cropping Intensity (%)
1.	Burdwan	183
2.	Birbhum	164
3.	Bankura	120
4.	Paschim Medinipur	160
5.	Purba Medinipur	165
6.	Howrah	212
7.	Hooghly	231
8.	North 24 Parganas	192
9.	South 24 Parganas	142
10.	Nadia	276
11.	Murshidabad	228
12.	Uttar Dinajpur	187
13.	Dakshin Dinajpur	153
14.	Malda	195
15.	Jalpaiguri	175
16.	Darjeeling	123
17.	Cooch Bihar	187
18.	Purulia	111

(b) Draw the graticules of cylindrical equal area Projection for the area extending from 20°N to 60°S and 120°E to 120°W at an interval of 10° with a scale of 1 : 90,000,000.

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3. Interpret the given topographical map of plateau region on the following heads.

(a) Relief characteristics and the major physiographic division.

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(b) Draw a transect chart to show the relation between physical & cultural landscape & interpret the nature of relation.

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4. (a) Make a closed traverse survey using Prismatic Compass for the area MNOP.

(i) Enter the reading in the field book.

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(ii) Complete the table with necessary calculation.

4

(iii) Plot it with suitable scale.

4

- (b) Prepare a questionnaire to conduct a survey in a village highlighting the necessity of toilets and pure drinking water in rural houses (atleast 15 questions).

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5. Laboratory Note Book and Viva-voce.

5+5

NEW

Part-II 3-Tier

2015

GEOGRAPHY

(General)

PAPER—III (Set-3)

(PRACTICAL)

Full Marks : 100

Time : 6 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all questions.

1. (a) Draw a diagonal Scale to read 4 kilometer 6 hectometers and 50 metres in the Primary Secondary and Tertiary divisions respectively using the RF of 1 : 450,000. 8+2
- (b) Draw Age-Sex pyramid on the basis of following data and interpret it. 10

(Turn Over)

Age and Sex wise population, Purba Medinipur, 2011

<i>Age</i>	<i>% of Male</i>	<i>% of Female</i>
0-4	9.57	9.55
5-9	12.11	12.12
10-14	12.13	12.15
15-19	9.59	9.57
20-24	9.26	8.96
25-29	9.32	8.83
30-34	7.59	7.66
35-39	7.17	7.27
40-44	4.95	5.37
45-49	5.57	4.83
50-54	3.18	3.29
55-59	2.88	2.90
60+	7.68	7.32

2. (a) Draw a choropleth map based on the population of various C.D. Blocks of Purba Medinipur district and interpret the map.

8+2

<i>Sl. No.</i>	<i>Name of Blocks</i>	<i>Area (Km²)</i>	<i>Population</i>
1.	Ramnagar — I	142.2	149267
2.	Ramnagar — II	138.9	140058
3.	Egra — I	192.6	184262
4.	Egra — II	176.5	78002
5.	Contai — I	211.2	214361
6.	Contai — II	217.4	173621
7.	Contai — III	223.1	164912
8.	Khejuri — I	176.7	137615
9.	Khejuri — II	186.2	126920
10.	Patashpur — I	198.6	134271
11.	Patashpur — II	172.4	142946
12.	Bhagabanpur — I	162.3	156215
13.	Bhagabanpur — II	161.4	167295
14.	Nandigram — I	142.3	178295
15.	Nandigram — II	157.6	146025

(b) Draw the graticules of Polar Zenithal Stereographic Projection at 10° interval on $1:150 \times 10^6$ for the extension 20° to 90° of Northern hemisphere.

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3. Interpret the given topographical map with the suitable sketches and diagrams under the following heads.

(a) Relationship among relief, settlement and vegetation.

(b) Various drainage pattern.

14+6

4. (a) Make a closed traverse Survey of Prismatic Compass for the area 'XYZ' to do the following tasks. ▶

- (i) Enter the reading on a neatly drawn field book.
- (ii) Complete the table with necessary calculation and correction.
- (iii) Plot the traverse on a suitable scale.

6+5+4

(b) Prepare a structured questionnaire to conduct a survey in a Hill area for proper understanding of the problem of land slide.

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5. Laboratory Note Book and Viva-Voce.

5+5