

New
Part-III 3-Tier
2016

GEOGRAPHY

(Honours)

PAPER—VII (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 the questions.

1. Draw a geological section along the line PQ on the given map and interpret the same on the following heads :
- (i) Succession of rock beds ;
 - (ii) Geological structure ;
 - (iii) What is meant by Series and formation ?

4+4+2

(Turn Over)

2. (a) Draw a transect chart of 15 cm section line (selected by the examiners) from the given topographical map of the plateau region of India to show and interpret.

5×2

- (i) Relief ;
 (ii) Drainage ;
 (iii) Vegetation ;
 (iv) Settlement ;
 (v) Communication.

- (b) Prepare a Dissection Index map on the basis of 3cm × 3cm grids within 12cm × 12cm grid framework marked on the given topographical map (selected by examiners) and interpret it.

8+2

3. Construct a Rainfall Dispersion diagram on the basis of the following table and interpret it.

Station-A

Month	J	F	M	A	M	J	J	A	S	O	N	D
Year												
1	07	13	39	62	82	119	141	118	80	44	19	09
2	10	14	43	62	86	126	145	113	84	43	20	13
3	14	15	43	59	81	121	140	116	83	40	15	14
4	11	16	39	66	90	122	146	111	81	50	19	10
5	12	16	44	66	83	117	147	112	78	37	20	10
6	13	20	40	67	91	116	147	119	86	41	24	15
7	13	19	42	63	91	115	146	113	81	42	23	12
8	17	19	42	63	88	120	144	116	87	40	18	17

Rainfall in mm

8+2

4. Selection by lottery (attempt any one) :

(a) Take the readings from dry bulb and wet bulb thermometer and record it in proper tabular form and calculate Relative Humidity with the help of R-H Chart. What do you mean by 'Depression of Wet bulb'? 8+2

(b) Record readings from barometer and determine atmospheric pressure in mb at that time after necessary temperature correction.

How are the barometer readings used in Weather forecasting? 8+2

(c) Measure the pH value of supplied soil sample with the help of the soil kit. What do you mean by soil pH? 8+2

5. Identify the given five specimens of rocks and minerals mentioning at least two salient characteristics of each. 10

6. Field Report and Viva-voce on it. 20+10

6. Laboratory Note Book and Viva-voce. 5+5

New
Part-III 3-Tier
2016

GEOGRAPHY

(Honours)

PAPER—VII (Set-2)

(PRACTICAL)

Full Marks : 100

Time : 6 Hours

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

Answer all the questions.

1. Draw a geological section along the line AB on the given geological map and interpret the same on the following heads :

(i) Geological succession and structure ;

(ii) Relation of drainage system with underlying structure.

4+4+2

(Turn Over)

2. (a) Prepare Drainage Density Map for a drainage basin (name of the basin to be cited) from the given topographical map (to be supplied by the centre) and interpret it throughing light on its lithologic character if any. 8+2
- (b) Show the distribution of natural vegetation and correlate it with the relief. Illustrate your answer with necessary sketches and diagram if any. 4+4+2
3. Interpret the given Weather map under the following heads :
- (i) Trend of isobars and reflected weather phenomenon.
- (ii) Cloud cover. 5+5
4. Selection by lottery (any one) :
- (a) Read the dry bulb and wet bulb temperature and record them in proper table. Calculate the relative humidity of air with the help of humidity chart. What is meant by depression of wet bulb? 8+2
- (b) Read the height of the mercury of the barometer accurately and record it in proper table. Determine atmospheric pressure in mb with necessary temperature correction.
- What type of weather you may experience if mercury drops suddenly? 8+2

- (c) Measure the pH value of soil from the supplied sample with the help of soil kit. Draw pH scale neatly. 8+2
5. (a) Name five physical characteristics by which rocks and minerals can be identified. $2\frac{1}{2}$
- (b) Identify five specimens of rocks and minerals stating atleast one characteristic of each specimen. $5 + 2\frac{1}{2}$
5. Field Report and Viva-voce. 20+10
6. Laboratory Note Book and Viva-voce. 5+5
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New
Part-III 3-Tier
2016

GEOGRAPHY

(Honours)

PAPER—VII (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 the questions.

1. Draw a geological section along the line CD on the given map and interpret the same on the following heads :
 - (i) Geological succession ;
 - (ii) Geological structure ;
 - (iii) Distinguish between true dip and apparent dip.

4+4+2

(Turn Over)

2. (a) Interpret the given topographical map of India on the following heads :

(i) Relationship between transport system and settlement patterns with the help of suitable diagrams and sketches.

(ii) Identify and interpret the drainage patterns with the help of sketches. 6+4

(b) Prepare a slope zone map after Went worth to show slope variation on the basis of 3cm × 3cm grids within 12cm × 12cm grid framework marked on the given topographical map (selected by examiners) and interpret it. 8+2

3. Construct station models on the basis of the data given below and interpret it: 9+1

Station	N	dd	ff	ww	W	C _L	C _M	C _H
A	7	32	07	77	4	5	2	4
B	9	36	09	78	4	6	3	3
C	8	34	08	79	4	7	4	2.

4. (a) Selection by lottery (any one) :

Take the readings from dry bulb and wet bulb thermometer and record it in proper tabular form. Calculate the relative humidity of air with the help of humidity chart. What do you mean by relative humidity? 8+2

(b) Record the readings from Barometer in an appropriate *table* and calculate the atmospheric pressure in mb at the time with necessary *temperature correction*. Why is mercury used in barometer?

8+2

(c) Measure the pH value of the supplied soil sample with the helps of the soil kit. What are the disadvantages of estimating solid properties using soil kits?

7+3

5. Identify the given five specimens of rocks and minerals mentioning at least two salient characteristics of each.

2×5

6. Field Report and Viva-voce.

20+10

7. Laboratory Note Book and Viva-voce.

5+5

