

2022

GEOGRAPHY

[P.G.]

(CBCS)

(M.Sc. First Semester End Examinations-2022)

PAPER-101

Full Marks: 40

Time: 03 Hrs

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

Illustrate the answers wherever necessary

[USE SEPARATE ANSWER SCRIPT FOR EACH UNIT]

Unit –1

F.M. – 20

[Geotectonics]

Group – A

Answer any one question:

1x8= 8

1. Elucidate the significance of paleomagnetism for reconstructing the plate motions.
2. Briefly describe the causes and mechanisms of development of Tsunami waves.

(2)

Group – B

Answer any two questions: **2x4= 8**

3. Elucidate the principles of relative dating of rocks.
4. Briefly describe the major evidences of neotectonic activities in the world.
5. Explain the causes of earthquake in the light of plate tectonic theory.
6. Briefly discuss the characteristics of different landforms in convergent plate boundary.

Group – C

Answer any two questions: **2x2= 4**

7. What is half-life?
8. Define polar wandering.
9. What do you mean by suture line?
10. What is magnetic declination?

(3)

Unit –2

F.M. – 20

[Geomorphology]

Group – A

Answer any one question of the following: **1x8= 8**

1. Elucidate the ideas of geomorphic threshold and complex response as put forward by Chorley and Schumm.
2. Explain the process-form relationship observed at different elements of slope.

Group – B

Answer any two questions: **2x4= 8**

3. Examine the importance of signature landforms in identifying climatic factors and process.
4. Briefly analyse the process of pediplanation following L C King.
5. Illustrate Cyclic and Non-Cyclic concepts of landform evolution.
6. Briefly describe different types of interruptions in natural cycle?

Group – C

Answer any two questions: **2x2= 4**

7. What is Cyclic time in Geomorphology?
8. What is Paleomagnetism?

(4)

9. Define the principle of mass conservation in geomorphology.
 10. What is the importance of magnitude-frequency analysis in process study?
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