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RNLKWC/M.Sc.-CBCS/IS/GEO/PG/102/22

2022

GEOGRAPHY

[P.G.]

(CBCS)

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

PAPER-102

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 -3

F.M. - 20

[Hydrology & watershed Management]

Group - A

Answer any one question:

1x8= 8

1. What is Watershed management? Elucidate different methods of soil-water conservation?
2. Elucidate the steps for estimating precipitation by Thiessen polygon method mentioning its advantage over isohyetal method.

(2)

Group – B

Answer any two questions: 2x4= 8

3. Briefly explain methods of estimating evapotranspiration.
4. Explain the coral reef formation theory of Darwin.
5. What are the controlling factors of infiltration?
6. How is water balance maintained in the hydrological cycle?

Group - C

Answer any two questions: 2x2= 4

7. What is permeability?
8. What is magnitude-frequency distribution?
9. What is water divide?
10. Define basin-lag time.

Unit –4

F.M. - 20

[Oceanography]

Group - A

Answer any one question: 1x8= 8

1. What are the geomorphic responses to sea level change? State briefly the pattern and consequences of quaternary sea level change.
2. Discuss the adaptation methods of mangroves in coastal environment.

(3)

Group - B

Answer any two questions within 100 words: 2x4= 8

3. Discuss the progressive wave theory of tide formation.
4. Distinguish between CRZ and EEZ
5. Write down the characteristics of estuary.
6. Write a short note on coral bleaching.

Group - C

Answer any two questions with in 50 words. 2x2= 4

7. What is tidal asymmetry?
 8. Distinguish between wave reflection and refraction.
 9. What is fetch?
 10. What is meant by supra-littoral zone?
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