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RNLKWC/M.Sc.-CBCS/IS/GEO/PG/103/22

2022

GEOGRAPHY

[P.G.]

(CBCS)

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

PAPER-103

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 -5

F.M. - 20

[Soil Geography]

Group - A

Answer any one question:

1x8= 8

1. Examine the influence of parent materials, topography and climate condition in making variation of soil characteristics.
2. Explain the effect of soil texture and structure on soil fertility and productivity.

(2)

Group - B

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

3. Explain the Podzol soil profile with illustration.
4. Briefly discuss the characteristics of 7th approximation of USDA soil taxonomic classification.
5. Elucidate the laterite soil profile with illustration.
6. Mention the major causes of soil pollution in agricultural field.

Group - C

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

7. Define soil health.
8. Define soil catena.
9. What is Pedology?
10. What is hardpan?

(3)

Unit -6

F.M. - 20

[Biogeography]

Group - A

Answer any one question: **1x8= 8**

1. Explain briefly the dispersal of animals in different geological periods.
2. Explain how energy flow model of Lindemen supports the second law of thermodynamics.

Group - B

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

3. Discuss about the major "Floristic regions of India".
4. Discuss the consequence of degradation of forest in India..
5. Write a short note on "elephant sanctuaries in India."
6. Explain the basic principles of physical Ecology.

Group - C

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

7. Define "Transitional Zone."
 8. What do you mean by "Protected Forest"?
 8. Define plant taxonomy.
 9. What is "Black Data Book"?
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