

**U.G. 3rd Semester Examination - 2020****ENVIRONMENTAL SCIENCE****Course Code : BENVCCHT301****Course Title : Earth Science**

Full Marks : 40

Time : 2 Hours

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

1. Answer any **ten** of the following :  $1 \times 10 = 10$
- Who is the father of the continental drift theory?
  - In which geological time scale Coal was formed?
  - Who proposed the sea floor spreading theory?
  - Write an example of metamorphic rock.
  - Define humidity.
  - What are the disadvantages of sensors?
  - What is the major mineral resource in India?
  - Which state has highest mineral resources in India?

- Give an example of metallic mineral resources in India.
- Define soil porosity.
- What is groundwater management?
- What are the three major types of groundwater?
- Define swath in case of remote sensing.
- Name an Indian satellite.
- Write down the full form of GPS.

2. Answer any **five** of the following:  $2 \times 5 = 10$
- What do you understand by 'Pangaea' and 'Panthalasa'?
  - What is geological time scale?
  - What is the crust of the earth?
  - How does topography affect climate?
  - What is groundwater basin?
  - Define soil profile.
  - What is sensor?
  - Define passive remote sensing with suitable example.

3. Answer any **two** of the following:  $5 \times 2 = 10$
- a) What are the major evidences in favour of continental drift theory?
  - b) Briefly explain the impact of land use change on water resources.
  - c) Briefly explain the various interaction of incident of EM energy with atmosphere.
4. Answer any **one** of the following:  $10 \times 1 = 10$
- a) Write a note on origin of earth.
  - b) Briefly explain the Koppen's climatic classification.
  - c) Describe chemical and biological weathering process for soil formation.
- \_\_\_\_\_