

U.G. 1st Semester Examination - 2020**ENVIRONMENTAL SCIENCE****Course Code : BENVCCHT 101****Course Title: Fundamentals of Environment**

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** questions: 1×10=10
 - a) What is the mantle made of?
 - b) What is abiotic environment?
 - c) What is BNHS?
 - d) What is ground water?
 - e) What is Gutenberg discontinuity?
 - f) When Tibilisi conference was held?
 - g) Where is the Silent Valley situated?
 - h) What are major components of atmosphere?
 - i) What is tropopause?
 - j) What is an example of a biosphere?
2. Answer any **five** questions: 2×5=10
 - a) Write down the change of atmospheric temperature with altitude.
 - b) What are the benefits of biosphere?
 - c) Mention the pillars of green politics.
 - d) Mention the composition of Earth inner core.
 - e) What are the component of environmental education?
 - f) What is the 1.5 degree goal?
 - g) Is the mantle liquid?
 - h) What are matrix ribosomes?
3. Answer any **two** questions: 5×2=10
 - a) Briefly discuss current status of Environmental Education at tertiary level.
 - b) Write down the difference between anthropocentrism and ecocentrism.

c) Write down different types of genes.

4. Answer any **one** question: $10 \times 1 = 10$

a) Write down the environmental causes of Tehri Dam conflict. Is DNA bigger than a chromosome? Which is the smallest gene?

$7+2+1$

b) Briefly discuss the multidisciplinary nature of Environmental Science. Write down the responsibilities of man to environment.

$4+6$

c) Write down chemical composition of plasma membrane. Briefly discuss the factors of modern synthetic theory of evolution. $4+6$