



Question Paper

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MANIPAL ACADEMY OF HIGHER EDUCATION

B.Tech Ist Semester Sessional Examination November 2022

ENVIRONMENTAL STUDIES [CIE 1072]

Marks: 15

Duration: 60 mins.

MCQ

Answer all the questions.

Section Duration: 20 mins

- 1) Which of the following classification of forest is denoted by a canopy density 10%- 40% (0.5)

[Very dense forest](#) [Moderate dense forest](#) [Scurb](#) [Open forest](#)
- 2) Parent rock material is visible in which of the following soil horizon (0.5)

[C Horizon](#) [A Horizon](#) [E Horizon](#) [B Horizon](#)
- 3) Which of the following statement is true (0.5)

Sustainable growth of a country is necessary equivalent to environmental sustainability	Focussing on GDP growth cannot bring down environmental destruction	Ecological deficit occurs when theEcological Footprintof a population is less than thebiocapacityof the area	None of the above
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- 4) Which of the following factors does not influence soil formation (0.5)

Bedrock composition	Intensive agriculture	Temperature and precipitation	Flat terrain
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- 5) Which of the flowing statement is true (0.5)

[Ecological reserve does not depend on biocapacity](#) [Regeneration rate of non-renewable resources is fast compared to renewable](#) [Biocapacity is the productivity of the planet's ecological assets](#) [None of the above](#)

6) According to WHO guidelines the air pollution for PM2.5 must be in the range of _____ μ/m^3 (0.5)

[0 - 10](#) [10 - 40](#) [40 - 60](#) [60 - 90](#)

7) COP 21 signed in the year _____, has the ambitious goal of keeping global temperature rise by 2100 to below 2⁰ C : (0.5)

[1995](#) [2015](#) [2020](#) [None of the above](#)

8) _____ won it for her work that showed for the first time that the local commons can be successfully managed by locals without any regulation by government or privatization. (0.5)

[Rachael Carson](#) [Miranda wang](#) [Laurie David](#) [None of the above](#)

9) Simon kuznets worked in the field of analyzing: (0.5)

[GDP](#) [Tragedy of commons](#) [Sustainability](#) [CO₂ measurements](#)

10) Worldwide ban on CFC and other Ozone Depleting substances is achieved via : (0.5)

[Kyoto protocol](#) [UNFCCC framework](#) [Montreal protocol](#) [Paris climate agreement](#)

DESCRIPTIVE

Answer all the questions.

11) A result of the pandemic was that people began to stock up on food and utilities. Retailers responded by imposing restrictions on the number of items one could buy, but it was too late. Entire grocery aisles were empty, wiped clean. Can you relate this issue to an economic-environmental problem discussed in the class? Cite two more examples that explain the same problem. (2)

12) Differentiate between ecological deficit and ecological reserve. (2)

13) Can you achieve economic growth while ensuring a sustainable environment? If so, how? (3)

14) Can carbon trading help fight climate change? How is it possible and what are the challenges? (3)

