



DAG-1901390101063400 Seat No. _____

Third Year B. A. (I.D.) (Sem. VI)

Examination

April – 2022

Environmental Science - II

Time : 2 Hours]

[Total Marks : 50

- Instructions :** (1) All questions are compulsory.
(2) Any ambiguity will be considered as a wrong answer.

1 Choose the correct answer : **10**

- (1) Prolongation of sound in a hall even after the source sound has been cut off is known as _____
(A) Resonance (B) Echelon effect
(C) Reverberation (D) None
- (2) Acoustics is the study of _____
(A) Sound (B) Air
(C) Wind (D) Water
- (3) What is the full form of NRC rating?
(A) Non Reflective choice
(B) Non responsive choir
(C) Noise reduction co efficient
(D) None
- (4) What is the unit of frequency?
(A) Decibel (B) Centimeter
(C) Hertz (D) None of these
- (5) What play a part in calculating RT?
(A) Length of room (B) Area of room
(C) Volume of room (D) None.

- (6) In which phenomenon sound passes more than one times from a listener?
- (A) Echo (B) Flutter Echo
(C) Creep (D) Foci
- (7) What is the frequency of ultrasonic sound?
- (A) 20 Hz (B) 200 Hz
(C) 2 Hz (D) 20,000 Hz
- (8) Reverberation is the persistence of sound in a particular space _____
- (A) After the original sound is removed.
(B) with original sound
(C) Before original sound is removed.
(D) None of the Above.
- (9) _____ is the reflection of a sound wave back to its source.
- (A) Echo (B) Sound
(C) Reverberation (D) Resonance
- (10) Sound Level is measured in _____
- (A) Centimeter (B) Millimeter
(C) Decibel (D) Fahrenheit

2 Write short notes on : (Any **Two**)

10

- (1) Landscape
(2) Mughal Garden
(3) Spanish Garden
(4) Japanese Garden
(5) Topography

3 Answer the following questions : 15

- (1) Water irrigation systems in Mughal Garden (with sketch).
- (2) Explain Types of Garden.
- (3) Explain Interior Acoustical Layouts in Detail.
- (4) Vertical Garden Style.
- (5) Differentiate between Sound Insulation and Sound Absorption.

4 Design a landscape for open area in front of an Arabic restaurant in Ahmedabad. 15

(Support your answers with sketches, plans, sections and isometric views)

Restaurant is only Ground Floor Structure of 5m × 10m.

