



**BBB-1601390101063400** Seat No. \_\_\_\_\_

**B. A. (Sem. VI) (ID) Examination**

**July - 2021**

**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** Fill in the blanks : **10**

- (1) Landscape designed inside a built form \_\_\_\_\_.  
(Landform, Intiorscape)
- (2) Landscaping acts as barrier against \_\_\_\_\_. (water, sound)
- (3) Natural elements in a landscape are \_\_\_\_\_. (benches, terrain of place)
- (4) Mughal Gardens are built in \_\_\_\_\_ style of Architecture.  
(Islamic, Roman)
- (5) Vertical Garden is a part of which Garden style.  
(Spanish, Modern)
- (6) What is the full form of NRC rating? (Non Reflective choice, Noise reduction co efficient)
- (7) What is the unit of frequency? (Hertz, Decibles)
- (8) What is the frequency of ultrasonic sound? (>20,000 Hz, <20,000Hz)
- (9) What is the sound absorpion co efficient of Hardwood?  
(0.3, 0.4)
- (10) What play a part in calculating RT? (Area of the room, Volume of the room)

- 2** Write short notes on : **10**
- (1) Mughal garden.
  - (2) Acoustics.
  - (3) Reverberation.
  - (4) Japanese Garden.
  - (5) Chinese Garden.
- 3** Answer the following questions : (any **three**) **15**
- (1) Write basic elements of acoustics design.
  - (2) Describe in detail sound absorption coefficient.
  - (3) Requirements of a good acoustic material.
  - (4) Draw construction detail of wall/partition, door/window, ceiling and flooring for acoustical treatment in a RECORDING STUDIO. (any five details)
- 4** Sketeh it out : (any **3**) **15**
- (1) Cinema/ theatre acoustical design
  - (2) Section of hall with ceiling which will cause echoes.
  - (3) Mughal garden - 3 element
  - (4) Different types of acoustical material.
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