



**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, Interiorscape)
- (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, Decibels)
- (8) What is the frequency of ultrasonic sound? (>20,000 Hz, <20,000Hz)
- (9) What is the sound absorption 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** Sketch 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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