

## **DAG-1901390101063400** Seat No. \_\_\_\_\_

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

**April** - 2022

## Environmental Science - II

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Time: 2 Hours]					[Total Marks : 50			
Inst	truct	ions	: (1) All questions	are cor	npulsory.			
			(2) Any ambiguit answer.	y will b	pe considered as a wrong			
1	Cho	ose t	the correct answer:		10			
	(1)		longation of sound in nd has been cut off i					
		(A)	Resonance	(B)	Echelon effect			
		(C)	Reverberation	(D)	None			
	(2)	Aco	ustics is the study of					
		(A)		(B)	Air			
		(C)	Wind	(D)	Water			
	(3)	3) What is the full form of NRC rating?						
		(A)	Non Reflective choic	e				
		(B)	Non responsive choi:	r				
		(C)	Noise reduction co e	efficient				
		(D)	None					
	(4)	Wha						
		(A)	Decibel	(B)	Centimeter			
		(C)	Hertz	(D)	None of these			
	(5)	Wha	at play a part in cal	RT?				
		(A)	Length of room	(B)	Area of room			
		(C)	Volume of room	(D)	None.			
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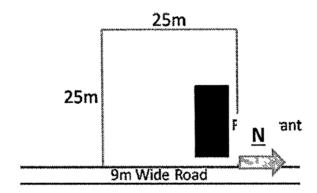
(6)		In which phenomenon sound passes more than one times from a listener?						
	(A)	Echo	(B)	Flutter Echo				
	(C)	Creep	(D)	Foci				
(7)	What is the frequency of ultrasonic sound?							
	(A)	20 Hz	(B)	200 Hz				
	(C)	2 Hz	(D)	20,000 Hz				
(8)	Reverberation is the persistence of sound in a particular space							
	(A)	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)	Sou	nd Level is measu	red in					
	(A)	Centimeter	(B)	Millimeter				
	(C)	Decibel	(D)	Fahrenheit				
Writ	te sh	nort notes on : (Any	y Two)		10			
(1)	(1) Landscape							
(2)	Mughal Garden							
(3)	Spanish Garden							
(4)	Japanese Garden							
(5)	Top	ography						
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- **3** Answer the following questions:
  - (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 15 restaurant in Ahmedabad.

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

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



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