

# University of Mumbai

## Examination 2020

Program: Civil Engineering

Curriculum Scheme: Rev2016

Examination: Third Year Semester V

Course Code: CE-DLO 5063 and Course Name: BSR

Time: 1 hour

Max. Marks: 50

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For the students:- All the Questions are compulsory and carry equal marks .

Q1.	An identifiable, unwanted condition that was not part of the original intent of design is known as _____
Option A:	Deterioration
Option B:	Mistake
Option C:	Defect
Option D:	Alteration
Q2.	A threshold limit of _____ percent total (acid-soluble) chloride by weight of cement for Chloride Content
Option A:	1.20
Option B:	3.60
Option C:	0.20
Option D:	0.50
Q3.	Which of the following is not a Deterioration Mechanism by Chemical Agents?
Option A:	Carbonation
Option B:	AAR
Option C:	Chloride Ingress
Option D:	Freezing & Thawing
Q4.	_____ is the deformation in the concrete due to long term loading, the effects are usually not visible in the fresh structure but it takes years to show up
Option A:	Fatigue
Option B:	Creep
Option C:	Bleeding
Option D:	Cavitation
Q5.	_____ causes the corrosion of the rebars by reducing the alkalinity of concrete
Option A:	Acids
Option B:	Chlorides
Option C:	Sulphides
Option D:	Rust
Q6.	Which of the following is not the tool for Visual Inspection?
Option A:	Camera
Option B:	Profometer
Option C:	Crack width gauge
Option D:	Hammer

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Q7.	Which of the following is Destructive type of testing?
Option A:	UPV
Option B:	Core Compressive Test
Option C:	Rebound Hammer
Option D:	Half Cell Potentiometer
Q8.	RADAR abbreviates to ...
Option A:	Range Detection And Radio
Option B:	Rod Detection And Radio
Option C:	Radio Detecting And Ranging
Option D:	Radio-graphic Detection And Ruling
Q9.	Concrete UPV ranging 3.0 to 3.5 km/s is categorized as..
Option A:	Excellent Quality
Option B:	Good Quality
Option C:	Medium Quality
Option D:	Doubtful
Q10.	Which of the following is not a method CORROSION PROTECTION OF REINFORCEMENT?
Option A:	Use of corrosion resistant steel
Option B:	Monomer injection
Option C:	Coating to reinforcement
Option D:	Cathodic protection
Q11.	The main purposes of jacketing is..
Option A:	to provide concrete cover
Option B:	to increase the strength of the member
Option C:	to increase water tightness
Option D:	for patch repair work
Q12.	_____ a process of injecting mixture of cement, sand and water at a high pressure in the cracks , joints, voids.
Option A:	Grouting
Option B:	Guniting
Option C:	Shotcrete
Option D:	Patch repair
Q13.	The surface hardness is generally given by the following NDT
Option A:	Half Cell Potentiometer
Option B:	Carbonation
Option C:	UPV
Option D:	Rebound Hammer
Q14.	Which of the following parameters does not affect the lift waiting time?
Option A:	Rated load
Option B:	Number of stops

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Option C:	Door closing time
Option D:	Handling capacity
Q15.	The slope of a ramp should not be more than:
Option A:	1 in 35
Option B:	1 in 20
Option C:	1 in 15
Option D:	1 in 10
Q16.	How many traps are present based on the shape?
Option A:	1
Option B:	2
Option C:	3
Option D:	4
Q17.	_____ is defined as the luminous flux received by a surface per unit area
Option A:	Illumination
Option B:	Brightness
Option C:	Luminous Intensity
Option D:	Specific Output
Q18.	_____ is a measure of the effect of light on the perceived colour of objects.
Option A:	Brightness
Option B:	Luminous Intensity
Option C:	Colour Rendering Index
Option D:	Specific Output
Q19.	While calculating the handling capacity of lift, the weight of a person is taken as _____ kg.
Option A:	60
Option B:	62
Option C:	65
Option D:	68
Q20.	With the help of _____ the materials are transported with a continuous flow at comparatively high speeds.
Option A:	Trucks
Option B:	Conveyors
Option C:	Dumpers
Option D:	Elevators
Q21.	Partially ventilated single stack system is the modified form of _____
Option A:	Single stack system and two-pipe system
Option B:	Single stack system and one pipe system
Option C:	One pipe system and two-pipe system
Option D:	Two pipe system

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Q22.	_____ is defined as the luminous intensity per unit projected area of the surface in the given direction
Option A:	Illumination
Option B:	Luminous Intensity
Option C:	Brightness
Option D:	Specific Output
Q23.	The primary function of a fuse is to
Option A:	Open the circuit
Option B:	Protect the appliance
Option C:	Protect the line
Option D:	Prevent excessive currents from flow through the circuit
Q24.	In a house drainage system, the pipe through which human excreta flows is called_____
Option A:	Vent pipe
Option B:	Soil pipe
Option C:	Rainwater pipe
Option D:	Waste pipe
Q25.	Which gas is sometimes used in filament lamps?
Option A:	Nitrogen
Option B:	Carbon dioxide
Option C:	Argon
Option D:	Krypton