

Program: BE Civil - Engineering

Curriculum Scheme: Revised 2012

Examination: Fourth Year Semester VIII

Course Code: CE-C802 and Course Name: Construction Engineering

Time: 1 hour

Max. Marks: 50

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

Q1.	Side dump trucks are of great use when
Option A:	more space is available
Option B:	terrain is rolling
Option C:	terrain is hilly
Option D:	Right of way is to be kept unobstructed
Q2.	Salvage value means
Option A:	Original cost multiplied by depreciation
Option B:	Original cost plus depreciation
Option C:	Original cost plus depreciation
Option D:	Original cost minus depreciation
Q3.	Belt conveyors have varied application in
Option A:	Dams
Option B:	crushing and Mixing plants
Option C:	Tunnels
Option D:	nuclear plants
Q4.	Major repairs of an equipment come under
Option A:	operating cost
Option B:	depreciation
Option C:	ownership cost
Option D:	salvage value
Q5.	The metro line in Mumbai which will be underground is
Option A:	Colaba-Seepz
Option B:	Dahisar-Bandra
Option C:	Wadala-thane
Option D:	Thane-kalyan via bhiwandi
Q6.	Sheepsfoot roller is mainly used for
Option A:	topmost layer of pavement
Option B:	lowermost layer of pavement
Option C:	all layers except topmost
Option D:	intermediate layer of pavement

Q7.	Self-erecting crane is a type of
Option A:	all terrain crane
Option B:	offshore crane
Option C:	gantry crane
Option D:	tower crane
Q8.	Reinforced earth technology denotes a
Option A:	dewatering technique
Option B:	pile driving technique
Option C:	soil stabilisation technique
Option D:	drilling and blasting technique
Q9.	Jet grouting is used in situations where
Option A:	decreased stability and increased bearing capacity is required
Option B:	increased stability and decreased bearing capacity is required
Option C:	decreased stability and increased permeability is required.
Option D:	increased stability and bearing capacity is required
Q10.	Forceful application of concrete on a wire mesh reinforcement is called
Option A:	Guniting
Option B:	grouting
Option C:	grind and grill concreting
Option D:	wirocon
Q11.	Cladding does'nt provide
Option A:	thermal insulation
Option B:	fireproofing
Option C:	weather resistance
Option D:	improved aesthetics
Q12.	Rock bolting is commonly used in
Option A:	nuclear plants
Option B:	bridges
Option C:	buildings
Option D:	tunnels
Q13.	The movement of a TBM in forward direction is carried out using
Option A:	trolley fixed below TBM
Option B:	tracks
Option C:	jacks on the periphery of TBM
Option D:	trolley fixed at the centre of TBM
Q14.	Tunneling in soft soils is harder because of
Option A:	more supports and continuous falling of roof and sides
Option B:	techniques to deal with soft soil are not available
Option C:	soft soil providing more resistance to the process
Option D:	the water used to mix soft soil to remove it from its place

Q15.	A tunnel which is constructed prior to the main tunnel is called a
Option A:	heading tunnel
Option B:	drift tunnel
Option C:	pilot tunnel
Option D:	practice tunnel
Q16.	The vertical opening constructed in ground to lower the parts of a TBM is call
Option A:	boomer
Option B:	shield
Option C:	mole
Option D:	shaft
Q17.	The best rocks for construction of tunnels are
Option A:	Igneous
Option B:	Sedimentary
Option C:	Metamorphic
Option D:	Calceous
Q18.	Shaft Sinking Machine consists of two main components namely
Option A:	outer ring and inner ring
Option B:	the shaft boring machine, and the lowering unit
Option C:	shaft borer and dewatering unit
Option D:	shaft borer and shaft sinker
Q19.	Alignment of a tunnel is governed by the
Option A:	length of a tunnel
Option B:	slope to be provided
Option C:	type of rock or soil strata
Option D:	curves to be provided
Q20.	Contour trimming is the process of achieving the
Option A:	exact c/s of a tunnel
Option B:	exact alignment of a tunnel
Option C:	the match of alignments of a tunnel excavated from two opposite sides
Option D:	tunneling along contours to make the process easier
Q21.	Cladding is done to improve
Option A:	aesthetics
Option B:	permeability
Option C:	porosity
Option D:	watertightness
Q22.	The forms which are raised when the concrete in a plastic state is referred to as
Option A:	Climbing forms
Option B:	Falling forms
Option C:	Rising forms
Option D:	Running forms

Q23.	Formwork giving excellent exposed concrete surface requiring no further finishing treatment is made of
Option A:	Timber
Option B:	Teakwood
Option C:	Steel
Option D:	Fibre glass
Q24.	Vaccum concrete is more suitable for
Option A:	horizontal members
Option B:	vertical members
Option C:	inclined members
Option D:	slanting members
Q25.	A rigid structural element that extends horizontally and is supported at only one end is a part of
Option A:	Slipform
Option B:	jump form
Option C:	cantilever formwork
Option D:	aluminium formwork

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Question	Correct Option (Enter either 'A' or 'B' or 'C' or 'D')
Q1.	D
Q2.	D
Q3.	B
Q4	D
Q5	A
Q6	C
Q7	D
Q8.	C
Q9.	D
Q10.	A
Q11.	B
Q12.	D
Q13.	C
Q14.	A
Q15.	C
Q16.	D
Q17.	A

Q18.	B
Q19.	C
Q20.	A
Q21.	A
Q22.	A
Q23.	C
Q24.	A
Q25.	C