

Program: BE Civil Engineering

Curriculum Scheme: Revised 2012

Examination: Final Year Semester VIII

Course Code: CEC 802 and Course Name: Construction Engineering

Time: 1 hour

Max. Marks: 50

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

Q1.	In straight line method, depreciation is calculated by.....
Option A:	$(C-S)/N$
Option B:	$(S-C)/N$
Option C:	S-C
Option D:	S-N
Q2.	_____ are very useful for horizontal transportation of materials like bricks, aggregates, scaffoldings, etc.
Option A:	Elevators
Option B:	Escalators
Option C:	Dumpers
Option D:	Conveyors
Q3.	Effective compaction is not achieved by _____ rollers.
Option A:	Rubber tyred
Option B:	Sheep's foot
Option C:	Pneumatic
Option D:	Smooth wheeled
Q4.	Which of the following stages are involved in the construction of under reamed piles?
Option A:	Concreting of piles and Boring by auger
Option B:	Concreting the funnel
Option C:	Concreting funnel
Option D:	To keep the bore holes vertical
Q5.	When both the sources are effective it is called as _____
Option A:	Double acting pump
Option B:	Single acting pump
Option C:	Triple acting pump

Option D:	Normal pump
Q6.	Which of the following involves impact and attrition operations?
Option A:	Rod mill
Option B:	Jaw crusher
Option C:	Hammer mill
Option D:	Timber
Q7.	_____ crane is used for open sites and it possesses a very long reach.
Option A:	Goliath
Option B:	Derrick
Option C:	Swing jib
Option D:	Cable
Q8.	A _____ consist of horizontal platform which is moved upward and downward by a powered winch between vertical guides.
Option A:	Hoists
Option B:	Pulley block
Option C:	Elevator
Option D:	Conveyor
Q9.	A _____ is a mechanism in the shape of a cylinder or drum, over which rope or chain is wound.
Option A:	Conveyor
Option B:	Pulley
Option C:	Winch
Option D:	Rotor
Q10.	_____ conveyors operate in series with end discharge transfer points.
Option A:	Transfer
Option B:	Feeder
Option C:	Spreading
Option D:	Unit
Q11.	The art of driving piles into the ground was first established by?
Option A:	Romans
Option B:	Greeks
Option C:	Philippians
Option D:	Newtons

Q12.	Which of the following process requires abundant coolant?
Option A:	Drilling
Option B:	Tapping
Option C:	Boring
Option D:	Centering
Q13.	Which of the following lining material is useful for shield driven tunnels in sub aqueous regions?
Option A:	Stone masonry
Option B:	Timber
Option C:	Cast iron
Option D:	Cement concrete
Q14.	What does boring mean?
Option A:	a process of making a hole in an object
Option B:	a process of enlarging a hole which is already in an object
Option C:	a process of finishing an existing hole very smoothly and accurately in size
Option D:	a process of making a small hole in an object
Q15.	In "full face" method of constructing tunnels, the first operation relates to
Option A:	Removal of bottom portion
Option B:	Excavation of one drift in the center
Option C:	Removal of top portion
Option D:	Excavation being done along the periphery
Q16.	Fore poling method is generally adopted for tunnelling in:
Option A:	Soft ground
Option B:	Firm ground
Option C:	Running ground
Option D:	Hard Strata
Q17.	A good blast with a good yield is obtained if the cut hole is
Option A:	Normal to face
Option B:	Inclined at 45° to the face
Option C:	Inclined at 15° to the face
Option D:	Inclined at 30° to the face
Q18.	Which of the following involves in the sequence of rocky strata?
Option A:	Marking profile

Option B:	Placing rocks
Option C:	Improving foul gases
Option D:	Recording values
Q19.	Geotextile related products with large rectangular apertures are called _____.
Option A:	Geo cell
Option B:	Geo grid
Option C:	Geo mat
Option D:	Geo foam
Q20.	Interlocking joints in panels and counter balancing pull from the soil reinforcement in the case of reinforced earth wall reduces mainly
Option A:	Bending moment
Option B:	Shear force
Option C:	Torsion
Option D:	Friction
Q21.	Reinforced earths basic function is
Option A:	To contain lateral soil pressure
Option B:	To improve drainage facility
Option C:	To compact soil
Option D:	To increase consolidation settlement
Q22.	Soil nailing method, that not provide corrosion protection to reinforcement is
Option A:	Drilling and grouted method
Option B:	Driven soil nailing method
Option C:	Self-drilling soil nailing method
Option D:	Jet grouted soil nailing method
Q23.	Which of the following is suitable for the construction of bridge decks and bridge arches with large and high spans or where the ground shoring is complex?
Option A:	Cantilever formwork
Option B:	Horizontal formwork
Option C:	Collapsible formwork
Option D:	Modular formwork
Q24.	Which of the following concrete stiffens very rapidly so that the form-works can be removed within 30 minutes of casting even on columns of 20 ft. high?

Option A:	Mass concrete
Option B:	Light weight concrete
Option C:	Vacuum concrete
Option D:	Sulphur concrete
Q25.	What is the main benefits of a timber framed building?
Option A:	Needs less maintenance
Option B:	More aesthetically pleasing
Option C:	Built by non-skilled
Option D:	Improved thermal qualities