

Program: BE: CIVIL Engineering
Curriculum Scheme: Revised 2016
Examination: Third Year Semester VI
Course Code: DL06061

Course Name: ADVANCED CONSTRUCTION EQUIPMENTS

Time: 1 hour

Max.Marks:50

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

Q1.	Effective compaction is not achieved by
Option A:	Rubber tyres
Option B:	Sheep's foot rollers
Option C:	Pneumatic rollers
Option D:	Smooth wheeled rollers
Q2.	Vibrating unit mounted on a screed, plate or roller is called as
Option A:	Earth rammers
Option B:	Pounding
Option C:	Vibrating rollers
Option D:	Vibratory compactors
Q3.	Which of the following piles is used to compact loose granular soil?
Option A:	Friction piles
Option B:	End bearing piles
Option C:	Compaction piles
Option D:	Tension piles
Q4.	The size of the bulldozer is indicated by the dimension of its

Option A:	Site
Option B:	Tyre
Option C:	Engine
Option D:	Blades
Q5.	How many metres can a Vertical shaft sinking machine can drill , blast and sink around in one blast
Option A:	5 to 10
Option B:	10 to 15
Option C:	15 to 20
Option D:	20 to 25
Q6.	The equipment which can be used to excavate Tunnels in any variety of soil is
Option A:	vertical shaft sinking machine
Option B:	Tunnel Boring Machine
Option C:	Tripod drill
Option D:	Jaw Crusher
Q7.	Structural elements used to transfer load to the ground that have sufficient bearing capacity where there is restricted accessibility and affected by settlement is called as
Option A:	Tunnel Lining trolley
Option B:	Vertical Shaft Sinking Machine
Option C:	Micropiles
Option D:	Jumbo
Q8.	In NATM method of Tunnelling, the soil excavated by Jumbo is carried outside through

Option A:	Trucks
Option B:	Scrapers
Option C:	Rollers
Option D:	belt conveyors
Q9.	In the cut and cover method of Tunnelling, the length of the tunnel ranges between
Option A:	5 to 8m
Option B:	6 to 12m
Option C:	12 to 20 m
Option D:	20 to 25m
Q10.	Which statement is not related to doka formwork
Option A:	Reduction in consumption of timber.
Option B:	Economical and long - lasting.
Option C:	Heavy weight
Option D:	No. of reuses more than 8 times that of conventional timber
Q11.	What does not refer to limitations of Mivan technology
Option A:	Services after completing become somewhat difficult
Option B:	More seismic resistance
Option C:	shrinkage cracks are possible to appear
Option D:	any change later becomes difficult
Q12.	When leveling the crane, the weight of the crane should be completely off of the
Option A:	carrier

Option B:	outriggers
Option C:	Tyres
Option D:	Car body
Q13.	In GPR, the distance to the top of the hyperbola is an estimate of
Option A:	Weight of object
Option B:	Width of object
Option C:	Type of object
Option D:	depth of object
Q14.	The method of building a complete bridge deck from one abutment of the bridge only, manufacturing the superstructure of the bridge by sections to the other side is
Option A:	Conventional method
Option B:	Incremental launch
Option C:	Prefabrication method
Option D:	Pipeline insertion method
Q15.	The geophysical method which uses radar pulses to image the subsurface is
Option A:	Ground-penetrating radar
Option B:	Pipeline insertion system
Option C:	GIS
Option D:	Incremental Launching Method
Q16.	In the list , which is not a PAVER machine?
Option A:	Brick Machine
Option B:	Multilayer paver Machine

Option C:	Concrete block Paver Machine
Option D:	Mass concreting Machine
Q17.	The most widely used paver Machine is
Option A:	Curb and Gutter Paver
Option B:	Slipform Paver
Option C:	Asphalt Paver
Option D:	Auger
Q18.	The largest source of electricity in India is
Option A:	Thermal power
Option B:	Nuclear power
Option C:	Hydropower
Option D:	Solarpower
Q19.	The largest Solar power plant in India is located in
Option A:	Bihar
Option B:	Kerala
Option C:	Gujarat
Option D:	Tamilnadu
Q20.	Equipments required for construction of hydropower plant does not include
Option A:	Wheel type trenching machine
Option B:	Dumpers
Option C:	Cranes
Option D:	Excavators
Q21.	The dam which has largest hydropower plant in India is
Option A:	Koyna
Option B:	Tehri

Option C:	Idukki
Option D:	Sardar Sarovar
Q22.	Equipments that are used to decrease the porosity of earth and to increase the density and strength of the earth
Option A:	Excavation
Option B:	Compaction
Option C:	Houling
Option D:	Hoisting
Q23.	The alignment of breakwater should be
Option A:	Horizontal
Option B:	Straight
Option C:	Perpendicular
Option D:	Diagonal
Q24.	According to ICAO, the slopes of transitional surfaces at right angles to the centre line of runway, is kept
Option A:	1 in 4
Option B:	1 in 5
Option C:	1 in 6
Option D:	1 in 7
Q25.	Which of the following use for servicing and repair of the aircraft
Option A:	apron
Option B:	hanger

Option C:	Terminal building
Option D:	holding apron

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

Q15.	A
Q16.	D
Q17.	B
Q18.	A
Q19.	D
Q20.	A
Q21.	A
Q22.	B
Q23.	B
Q24.	D
Q25.	B