

B.E. Theory Examination – (ELECT.III) ACT, Shivaji University, Oct – 2020

Objective Question Pattern (30 questions with answer)

Instructions: i) Each question carry 1 mark

1.	The composite structures provide one monolithic action between
A	Prefabricated units
B	Post fabricated units
C	Tension member's
D	Not any material.
Answer	A
2.	In case of conventional steel structure method, there will be a steel beam and slab construction in which the components carries their....
A	Entire load
B	Half load
C	Only deflection
D	Only dead load
Answer	A
3.	The column formwork consists a box having..... Separate sides.
A	One
B	Two
C	Four
D	Three
Answer	C
4.	In case of formwork for the floor slab the supports should be firmly supported at the bottom.
A	Vertical
B	Horizontal
C	Diagonal
D	Not any
Answer	A
5.	Geomembrances are used for.....
A	Filtration & separation
B	Cover
C	Protect from fire
D	Increasing strength.
Answer	A
6.	The situation in which pastures intensively grazes in land is classified as.....

A	forestation
B	overgrazing
C	over cultivation
D	deforestation
Answer	B
7.	The land is made to be sloped towards the ditches.
A	True
B	False
Answer	A
8.	For forced draught system, the function of chimney is mainly.....
A	To produce draught to accelerate the combustion of fuel
B	To discharge gases high up in the atmosphere to avoid hazard
C	To reduce the temperature of the hot gases discharged
D	None of the above
Answer	A
9.	In which method fine suspensions or fluids into the pore-spaces, fissures or cavities in the soil or rock is applied to reduce permeability.
A	Injection method
B	Grouting method
C	Freezing process
D	Electro-osmosis
Answer	B
10.	After vacuum mixing, the volumetric shrinkage can be raised from 3–5% to _____ % in different cements.
A	1-2
B	3-5
C	5-7
D	6-8
Answer	C
11.	In R.C.C. structure reinforcement steel is used to take....
A	Tension load
B	Compression load
C	Dead load
D	Live load
Answer	A
12.	Geosynthetics are made from a polymer such as

A	Poly propylene (PP)
B	Polyester
C	Poly ethylene
D	All the above
Answer	D
13. is the largest group of geosynthetics.
A	Geonets
B	Geomembranes
C	Geotextiles
D	Geogrids
Answer	B
14.	Considering land reclamation, the raised embankments are also known as
A	dykes
B	derelict
C	polder
D	catchment
Answer	A
15.	The reclaimed land is also known as
A	catchment
B	polder
C	dykes
D	derelict
Answer	B
16.	Turbines blades have ____ type cross section to extract energy from wind.
A	Aerofoil
B	Elliptical
C	Rectangular
D	All of the above
Answer	A
17.	Suggest the suitable method for Weakening of foundation of bridge
A	Strengthening by underpinning
B	Cleaning , Painting
C	Filled with rich mortar
D	New pointing
Answer	A
18.	Suggest the suitable method for Scouring in bridge

A	Repairing of foundation
B	New pointing
C	Cleaning
D	Painting
Answer	A
19.	Vacuum mixing systems reduce the exposure by _____ %.
A	20
B	40
C	50
D	10
Answer	C
20.	Slip Form Paver uses ----- so that fresh PCC has consistently holds its shape once the slip form paver has been passed.
A	Low-slump PCC
B	High -slump PCC
C	Self-Compacting Concrete
D	No fine concrete
Answer	A
21.	Composite materials are classified based on:
A	Type of matrix
B	Size-and-shape of reinforcement
C	Both
D	None
Answer	C
22.	Adhesive becomes strong immediately after its application.
A	True
B	False
Answer	B
23.	What structure is constructed to carry back into the underground?
A	Land Grading
B	Random Field Drains
C	Surface Inlet
D	Open Drains
Answer	C
24.	The Palm Islands in Dubai and Kansai International Airport in Japan are examples of

A	desalination
B	cloud reclamation
C	water reclamation
D	land reclamation
Answer	D
25.	Economizer is used to.....
A	Heat air
B	Heat feed water
C	Heat flue gases
D	All of the above
Answer	B
26.	Heat is generated in a nuclear reactor (thermal) by
A	fusion of atoms of uranium
B	absorption of neutrons in uranium atoms
C	combustion of nuclear fuel
D	fission of U-235 by neutrons
Answer	D
27.	Rehabilitation of structures may be required due to several reasons. Choose the correct reason.
A	Environmental effects
B	Tensile effects
C	Compressive effects
D	Range effects
Answer	A
28.	Deficiency of Concrete wearing surface in bridges are as_____
A	Scaling
B	Spalling
C	Cracks
D	All are above
Answer	D
29.	Roller –compacted concrete is constructed without -----
A	joints
B	cement
C	aggregate
D	water
Answer	A

30.	For water bound macadam roads in localities of heavy rainfall, the recommended value of camber is
A	1 in 30
B	1 in 36
C	1 in 48
D	1 in 60
Answer	B







Q. No	Correct Option	Q. No	Correct Option
1	A		
2	A		
3	A		
4	B		
5	A		
6	C		
7	B		
8	D		
9	A		
10	D		
11	C		
12	B		
13	C		
14	A		
15	C		
16	D		
17	D		
18	A		
19	B		
20	D		
21	C		
22	A		
23	C		
24	A		
25	A		
26	C		
27	C		
28	B		
29	A		
30	D		
31	A		
32	A		
33	A		
34	A		
35	D		
36	A		
37	A		

38	A		
39	B		
40	B		
41			
42			
43			
44			