

18/A/C/S-3/4/E

PAPER-I DRAUGHTSMAN (CIVIL) (THEORY) SEMESTER - III

TIME: 3 HRS.

MARKS: 150

Note: Attempt all the questions.

All questions carry equal marks.

This paper carries negative marking. 25% marks will be deducted for each wrong

answer.

Choose the correct answer.

1.	In single reinforced beams steel reinforced is provided in -		
	a) Tensile zone	b) Compressive zone	
	c) Both (a) & (b)	d) Neutral zone	
2.	The vertical markets of the state of the sta		
2.	The vertical portions of a steps is called a		
	a) Riser	b) Tread	
	c) Handrail	d) Flight	
3.	The diameter in Longitudinal bars column	should not be less than	
85	a) 4 mm		
	■¥12 mm	b) 8 mm	
		d) 20 mm	
4.	$\frac{ty}{tx} < 2$ it is known as –		
	a) Continuous slab	b) Cimple annual data	
	c) One way slab	b) Simply supported slab Two way slab	
5.	Minimum thickness of the slab -		
	a) 130-150 mm /	b) 160-200 mm	
	c) 100-150 mm	d) 50-100 mm	
		u) 50-100 mm	
6.	How many grade available in cement?		
	a) One	b) Two	
	c)/Three	d) Four	
		47.04	

7. When a member carrying mainly axial load it is termed as -		d it is termed as -	
- 5	a) Strut	b) Column	
	c) Tie	d) All of these	
8.	When the steel reinforcement is a configuration		
	known as - a) Balanced section	stressed to its permissible value, the section i	
	c) Over reinforced section	Under reinforced section None of these	
9.	A channel section consists of -		
	a) Two webs	b) Two flanges	
	c) Two webs and two flanges	d) One web and two flanges	
10.	The failure of a column depends upon -		
	a) Length of column	b) Weight on column	
	c) Cross sectional area of column	d Slenderness ratio of column	
11.	The minimum diameter of a manhole cover should be-		
	a) 20/	Should be	
	c) 40	5) 30 d) 50	
12.	How many terms are commonly used in hou		
	3/5		
	c) 7	b) 6 d) 8	
13.	Watt of an are		
15.	Which of the following method used for killing bacteria?		
	a) Disinfection	b) Sedimentation	
	c) Filtration	d) Coagulation	
14.	Which one of the following system used for provision of pipe line?		
	a) Flumping System	b) Sewerage system	
	c) Water distribution system	d) None of these	

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15.	The common section used in lacing, is -				
	a) Rolled angle	b) Rolled channel			
	c) Rolled steel flat	All of these			
16.	Run-off is the water which flows -				
	a) In sewer pipes	In rivers			
	c) In infiltration	d) Due to leakage of pipe	3		
17.	The effluents from the septic tank are	The effluents from the septic tank are discharged into -			
	a) Drainage	b) Sewer			
	c) 80ak pit	d) Oxidation pond			
10	21				
18.	The equipment used for cleaning the se	The state of the s			
1.4	a) Gauge	Scraper			
	c) Scoop	d) Claw			
19.	The city roads which are meant for through traffic usually on a continuers reste are known as				
	Carriage way	b) Company make			
	c) Arterial streets	b) Express way			
	c) Arteriai streets	d) Sub-arterial streets	125		
20.	The central portion of a road for high speed vehicles is known as -				
	a) Motor way	b) Express way			
a	c) Shoulder	d) Carriage way			
21.	The super structure of a road is called -				
	a) Wearing layer	b) Wearing course			
	c) Road surfacing	d) Any one of these			
22	m - 1 2 6 1 60 - 1				
22.	The raising of outer edge of the road above the inner edge is known as -				
	Super-elevation	b) Cant			
	c) Banking	d) All of these			

	23. The value of maximum gradient for hill roa	ads is	
	-) - M 3	CANOLINA CONTRACTOR CO	
	c) 1 in 15 🗸	b) I in 10 d) I in 20	(i)
		d) 1 m 20	
24	Exceptional gradient should not be : 1		
	 Exceptional gradient should not be provided a) 10 m 	in a length more than -	
	c) 50 m	b) 20 m	
		d) 100 mm	
25	The broad gauge is wide.		
	a) 0.6096 m		
	c) 1.00 m	b) 0.762 m	
	20 Action 1 (100)	9) 1.676 m	
26.	and the true of anna ada	nted in	
	The state of the s		
	c) Narrow gauge	b) Meter gauge	
92		d) All of these	
27.	The resistance of the train is due to -		
	a) Speed	13.0 "	
	c) Curves	b) Gradient	
		d) All of these	
28.			
20.	The rail section is divided on the basis of -		
	a) Type of rail	b) Spacing of sleepers	
	c) Gauge of the track	d) Speed of trains	
		a) opeca of trains	
29.	The rail gauge is the distance between -		11
	a) Outer faces of rails	44-2	
	c) Centre to centre of rails	b) Running faces of rails	
		d) None of these	
30.	The coning of wheels is		
	The coning of wheels is made to prevent the -		
	a) Lateral movement of the axle	b) Lateral movement of the	wheele
	c) Damage of the inside edges of rails	d) All of these	wheels

31.	Creep is the n	novement of rail.	
	a) Longitudinal	b) Lateral	
	c) Vertical	d) Horizontal	
		d) Honzoniai	
32.	The longitudinal movement of the rails in a track is technically known as -		
	a) Buckling	b) Hogging	
	c/Creeping	b) Hogging	
	0 . 0	d) None of these	
33.	Sleeners which satisfy all	of the secution 1	
	a) Wooden sleepers	of the requirements and are only suitable for track circuiting are -	
	c) Cast iron sleepers	b) Steel sleepers	
	c) cast non steepers	d) R.C.C. sleepers	
34.	The number of sleepers use	d 6	
	a) (n + 1) to (n + 4)		
	c) $(n+2)$ to $(n+7)$	b) $(n+3)$ to $(n+6)$	
	c) (n · 2) to (n + 7)	9) (n + 4) to (n + 8)	
25			
35.	Fish bolts are made of -		
	a)/Cast iron	b) Low carbons steel	
	c) High carbon steel	d) Stainless steel	
		and the second s	
36.	Rail chairs are used to fix -		
	a) Flat footed rails	KADARIA - L. L. W	
	c) Double headed rails	b) Bull headed rails	
		d)/None of these	
37.	A is a structure by	nile to one a series	
	a) Bridge	uilt to span a valley, road, river or any other physical obstacle.	
	c) Stair	b) Canal	
	o) State	d) Escalator	
38.	1. 1.11 1		
50.	is a bridge built us	sing cantilevers.	
	a) Arch bridge	(6) Cantilever bridge	
	c) Two hinged arch	d) Tied arch	
		10 10 10 10 10 10 10 10 10 10 10 10 10 1	

39.	A is a type of bride where the suspension cables.	e main load carrying elements are hung from	
	a) Cable stay bridge	b) Cuspanalan Latte	
	c) Arch bridge	b) Suspension bridge	
	The state of the s	d) Cantilever bridge	
40.	Which of the following resist forces through tension and prestress the girders?		
	a) Cables	b) Girders	
	c) Arch	d) Dam	
41.	A temporary structure constructed in a river for excluding water from a given site to enable the building operation to be performed on dry surface, is called —		
	a) Caisson	الله) Cofferdam	
	c) Well foundation	d) Raft foundation	
42.	When the depth of water is from 4.5 to 6m, the type of coffer dam used is -		
	a) Earthen cofferdam	b) Roockfill cofferdam	
	-c) Single-walled cofferdam	d) Double walled cofferdam	
43.	is bridge floor directly carrying traffic loads.		
	a) Deck	b) Dam	
	c) River	d) Footing	
44.	transfers loads from the gird	lers to the pier cans	
	a) Tearing	b) Bearing	
*	c) Shearing	d) None of these	
5.	The system in which only one pipe is pr unfoul waste from the building is known	rovided to collect both the foul soil waste as well as	
	a) One pipe system	b) Two pipe system	
	c) Three pipe system	d) Both (a) & (b)	
6.	A strut is a compression member which	is-	
	a) Loaded lightly	b) Vertical	
	c) Small in length	d) All of these	

47.	The number of sleepers used per rail length on the track is known as -		
	a) Sleeper	b) Sleeper density	
	c) Ballast	d) Coning of wheel	
48.	The flow of rail metal due to abnormally heavy loads is called -		
	a) Wear of rail	b) Creep of rail	
	c) Coning of rail	d) Hogging of rail	
49.	The road surfacing should be -		
	a) Stable	b) Durable	
	c) Impervious	d) All of these	
50.	The enoscope is used to determine -		
	a) Travel time	b) Average time	
	c) Spot speed	d) Running speed	
