July-2017

17/B/C/S-2/4/E



31/217

PAPER -I DRAUGHTSMAN CIVIL (THEORY) SEMESTER - II

		SEMESTER - II
Time:	3 Hrs.	Marks: 150
Note:	Attempt all the questions. All questions carry equal ma This paper carries negative n answer.	rks. narking. 25% marks will be deducted for each wrong
Choos	se the correct answer:	
1. Wh	ich tool used to check and transi	fer on the job?
	a) Bevel square	b) Try square
	c) Miter square	d) Divider
2. Wh	ich joint is mostly used for mak	ing packing cases?
		b) Housing joint
	c) Dovetail joint	d) Tongued and grooved joint
3.	is a horizontal projecti	ions of head or sill beyond the face of frame.
	a) Frame	b) Head
	c) Sill	d) Horn
4/A	vertical member which support t	he frame of the door and window is called -
	a) Transom	b) Mullion
	c) Rebate	d) Jamb
5/.	is a type of casen	nent window in which the panels are fully glazed.
_	a) Clere-storey window	
	c) Glazed window	d) Corner window
6. A1	pitched roof in which rafters slop	pe to one side only is called
, , , ,	a) Aisle roof	b) Pent roof
	c) Lean - to proof	d) Any one of these
J. Th	e combination of a king-post tru	iss and queen post truss is known as
	a) Purlin roof	b) Mansard roof
	c) Collar roof	d) Couple roof
8. A	couple roof is suitable for span i	upto
	a) 1.5	b) 2.0
	c) 2.5	.d) 3.5
9. A	queen post truss is commonly us	sed for span
	a) 4 to 8 m	b) 8 to 12 m
	c) 12 to 16 m	d) 16 to 20 m
		Contd

19. The pitch of stair should never	eveen.	
a) 40°	b) 30 °	
c) 20 °	d) 10 ⁰	
The same of a	d) 10	
1. In wooden stairs, the thickness	of tread is adopted as -	
a) 18 mm	b) 28mm	States and the same
c) 38 mm	d) 48 mm	
2. A line with a tapering width car	n be easily created by using the	tool.
a) Circle	b) Polyline	
c) Line	d) Eclipse	
A When setting up a machanical	Immiles in AutoCAD 4 1 2 3	
a) Arabitantum l	drawing in AutoCAD the drafter shou	ld set the units to -
a) Architectural	b) Decimal	
c) Fractional	d) Metric	
4. The number of tangent required	to describe cubic spline is _	
a) 1	b) 2	
c) 3	d) 4	
	4)4	All I was a second
5. Which of the following state gr	id is use to design perspective?	
a) Rectangular	b) Isometric	
c) Pro-optic	d) Parametric	
6 What is the minimum all and I	1 61	
6. What is the minimum allowable		
a) 0	b) 1	
c) 2	d) 3	
7. Which of the following is not a	keyboard shortcut of Auto CAD ?	
a) Ctrl + F4	b) Ctrl + P	
c) Alt + F4	d) Alt + B	
8. Objects are rotated around the		
a) Base point		
	b) Center of the object	
c) Bottom of the object		
	b) Center of the object	
9. Scaling objects make them	b) Center of the object d) Origin	
Scaling objects make them a) Bigger	b) Center of the object d) Origin b) Smaller	
9. Scaling objects make them	b) Center of the object d) Origin	Lateral new base black bases for A.C. being up - read. I be a lateral new bases for the base of the lateral lateral
9. Scaling objects make them a) Bigger c) Either bigger or smaller Ø. A is a ceiling of br	b) Center of the object d) Origin b) Smaller d) None of these	rinciple of arch.
9. Scaling objects make them a) Bigger c) Either bigger or smaller	b) Center of the object d) Origin b) Smaller d) None of these ick, concrete, stone, timber built in process.	rinciple of arch.
9. Scaling objects make them a) Bigger c) Either bigger or smaller 6. A is a ceiling of br	b) Center of the object d) Origin b) Smaller d) None of these	rinciple of arch.
9. Scaling objects make them a) Bigger c) Either bigger or smaller Ø. A is a ceiling of br a) Stair c) Dome	 b) Center of the object d) Origin b) Smaller d) None of these ick, concrete, stone, timber built in prob) Vault 	rinciple of arch.
9. Scaling objects make them a) Bigger c) Either bigger or smaller 8. A is a ceiling of br a) Stair c) Dome 1. A cross vault is known as—	b) Center of the object d) Origin b) Smaller d) None of these ick, concrete, stone, timber built in pr b) Vault d) Escalator	rinciple of arch.
9. Scaling objects make them a) Bigger c) Either bigger or smaller 26. A is a ceiling of br a) Stair	 b) Center of the object d) Origin b) Smaller d) None of these ick, concrete, stone, timber built in prob) Vault 	rinciple of arch.

22.	is the carpet	area plus the thickness of outer walls and balcony.
		b) Plinth area
	c) Super built up area	d) All of these
25.	Agricultural classification is cor	nmonly known as .
~	a) Estimation	b) Valuation
	c) Agricultural	d) Green built
24. (GUI is the acronym for -	
	a) Graphical user interface	b) Graphical user intelligence
	c) Graph user interface	d) Graph user intelligence
25.1	n residential building, the average	age value of stair width is
~	a) 700 mm	b) 800 mm
	e) 900 mm	d) 1000 mm
26.	Which of the following is used	with concrete rigid frames as the principle structural element?
	a) Long shell	b) Short shell
	c) Dome	d) Fault
27.	Which of the following materia	Is are used for prefabricated building?
~	a) Steel	b) Wood
	c) Fibre glass	d) All of these
28.	The following type of layout is	preferred to manufacture a standard product in large quantity?
		b) Product layout
	e) Combination layout	d) Fixed position layout
29.	is a state of the art m	ethod in which the structure is separated from the substructure
~	by introducing a suspension sy	stem between the base and sub structure.
	a) Stair	b) Recreation
	c) Landscape	d) Base isolation
30.	A dome is a unique	structure in which bending stress due to the uniformly
	distributed load of its dead load	
		b) Oval dome
	c) Parabolic dome	d) Saucer dome
31.	Which of the following system	use both natural and mechanical ventilation?
.~	a) Natural ventilation	b) Mechanical ventilation
,	c) Mixed mode ventilation	d) None of these
30	The function of aggregate in co	norate is to serve as
1	a) Binding material	b) Filler
	c) Catalyst	d) All of these
33.	The compressive strength of sto	one is found out by
	a) Attrition test	b) Crushing test
	c) Hardness test	d) Impact test
	-) I manual tob	C

34.	The portion of the brick left after is called -	r removing the corner equal to half the width and half the length
	a) Closer	b) King closer
	c) Queen closer	d) None of these
35.	One hectare-metre represents a	volume of —
	a) 1000m ³	b) 10000m ³
	c) 100000m ³	d) 1000000m ³
36.	The line of intersection of two st	urfaces of a sloping roof forming an external angle less than
	a) Ridge	b) Hip
	c) Valley	d) None of these
37.	When two or more individual co	lumn footings are joined by a beam, it is called -
	a) Strip footing	b) Step footing
	c) Combined footing	d) Strap footing
38.	The portion of the brick obtained	by the cutting it in transverse direction is called -
	a) Bat	b) King closer
	c) Queen closer	d) Bevelled closer
3/9.	An arrangement for supporting a dismantled, is known as -	in unsafe structure temporarily, till it is rendered safe of
	a) Scaffolding	b) Hauling
	c) Shoring	d) Jacking
40.	In ordinary residential buildings a) Between ground level and b) At ground level	the D.P.C. may be provided at – water table level
	c) At plinth level	
	d) At water table level	
12	The bulgles bearing and a second	
71.	The bricks having one or two ed	ges rounded for use in slightly curved corners are called -
	a) Bull nose c) Round nose	b) Closer
		d) King closer
42.	The portion of the wall which su	pport an arch is known as -
4	a) Abutment	b) Embankment
	c) Edgement	d) Column
43.	The type of foundation most suit	able for bridges is -
	a) Pier foundation	b) Raft foundation
	c) Pile foundation	d) Strap foundation
44	Consolidation of concrete should	h proceed -
140	a) Before mixing	
		b) Before placing d) Immediately after placing
	c) manociately after mixing	Contd 5/

called -	11 m 111 1
a) English bond	b) Flemish bond
c) Stretching bond	d) Heading bond
46. The horizontal upper part of stairway, is called -	a step on which foot is placed in ascending or descending a
a) Riser	b) Tread
c) Flight	d) Nosing
47 The construct at 10 cm thick	k partition wall, you will prefer -
a) English bond	b) Flemish bond
c) Header bond	d) Stretcher bond
49 The platform at the end of a	series of steps, is known as -
a) Platform	b) Relief
c) Rest	d) Landing
49. The aggregate is called coar	rse aggregate if it is completed retained on -
a) 10mm sieve	b) 15mm sieve
c) 219mm sieve	d) 4.75mm sieve
50. The increase in volume of o	iry sand when water is added is called -
a) Honey combing	b) Bulking
c) Segregation	d) Bleeding
