Parodor

0 17/B/C/S-4/4/E



031/217

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

TIME: 3 HRS.

MARKS: 150

Note: Attempt all questions.

All questions carry equal marks.

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

wrong answer.

Choose correct answer.

1.	Which of the sa	It present in water is har	mful for cultivation pr	Imoses?	
	a) Sodium carbo	onate b) Potassium sulp	hate c) Calcium oulnh	nposes:	
X		o) - o mostani sair	mate e) Calcium surpin	ate d) None of these	
2.	A part of water	which exists in the poro	us space of the soil by	molecular attraction is	
	known as		1	morecally utilization, is	
1	(a) Capillary wat	er b) Gravitational v	vater c) Hygroscopic w	vater d) All of these	
3.)	The amount of v	vater required to fill up t	he nore spaces in soil	particles by replacing all	
	air held in pore	spaces, is known as	pore spaces in son	particles by replacing all	
	a) Field capacity		city c) Available mois	drama d) AII - Cal	
		o) outside out out out	iorty c) Available mois	d) All of these	
	The total depth of	of water required by a cr	on during the entire		
	field, is knows a	s	op during the entire pe	eriod the crop is in the	
	a) Delta	b) Duty	a) D : 1		
		O) Duty	c) Base period	d) Crop period	
	The time (in day	c) that aron tales for a			
	known as	s) that crop takes from t	ne instant of its sowing	g to that of its harvest, is	
	a) Base	period.	The Part of the last		
1 =	a) Dasc	←b) Crop	c) Kor	d) Delta	
	The donth of som	· :- 00 C			
	a) Wheet	t zone is 90 cm for			
	a) Wheat	b) Sugar cane	-c) Rice	d) Cotton	
	TI				
	The optimum dep	oth of kor watering is 19	cm for		
	(a) Wheat	b) Sugar cane	c) Rice	d) Cotton	
	The commonly used rain gauge is				
	a) Weighing bucket type		b) Tipping bucket type		
c) Float type			-d) None of these		
	When the bed lev	el of the canal is higher	than the highest flood	level (HEI) of the	
	drainage, then the	cross drainage work is	said to be	iever (H.F.L) of the	
-	a) Aqueduct	b) Super-passage			
7	7	o) Super-passage	c) Canal syphon	d) Syphon aqueduct	
				. Contd2/-	

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16.	Which of the follow a) Carpet area		lation of the people from a c) Non usable area		
W.			ne cost material at site? es c) Data book	d) Lead statement	
12.	The fundamental pr	inciple of surveying	is to work from the		
	-a) Whole of the part		b) Part of the whole		
1	c) Lower level to hi	gher level	d) Higher level to lo	ower level	
13.	13. The instrument attached to the wheel of a vehicle in order to measure the ditravelled, is called			sure the distance	
	a) Passometer	b) Pedometer	c) Odometer	d) Speedometer	
114	When the measured	length is less than th	ne actual length the error	is known as	
(When the measured length is less than the a) Positive error		b) Negative error		
0	c) Compensating error		d) Instrumental error		
16					
15.		b) Tie line	nain survey line is called c) Base line	d) None of these	
16.	An open cross-staff	is commonly used for	or setting out		
	a) Short offsets	b) Long offsets	c) Oblique offsets	→d) None of these	
17.	The horizontal angle	e between the true me	eridian and magnetic me	ridian is knows as	
	The horizontal angle between the true meridian and magnetic meridian is knows as _ a) True bearing b) Dip				
	c) Local attraction		d) Magnetic declina	tion	
1/18	At the magnetic pole	es, the amount of dip	ie		
ties,	a) 0°	b) 45°	c) 60°	*d) 90°	
.1					
19.	The image formed by the objective in the plane of cross hairs is				
	a) Real and straight virtual and straight		-b) Real and inverted		
	c) Virtual and straight d) Virtual and inverted			.cu	
20.	The deflection angle may have any value between				
	a) 0° and 45°	·b) 0° and 90°	c) 0° and 12°	d) 0° and 180°	
21.	A fixed point of reference of known elevation is called .				
	a) Change point	b) Station point	- c) Bench mark	d) Datum	
ho	Dise and fall method	l is need in			
122.	Rise and fall method is used in a) Profile leveling - b) Differential leveling			ng	
	c) Check leveling d) None of these			mg .	
23.		he points having the	same elevation above the	e datum surface, is	
	a) Contour surface	b) Contour line	c) Contour interval	d) Contour gradient	
			-,	Contd3/-	

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(24.)	Contour lines cross a) 30°	ridge or valley lines - b) 45°	at	d) 90°
25.	A curve of varying a) Simple curve	radius is known as _ b) Compound cur	ve c) Reverse curve	- d) Transition curve
26.	The plotting of sma on the plane table b	ll area which can be y the method of	commanded from a sing	gle station, is usually done
	-a) Radiation	b) Intersection	-)B	d) Resection
27.	compared, is called	with reference to w	hich the elevation of po	ints are measured and
	a) Datum surface	b) Level surface	c) Horizontal surfa	ce d) Vertical surface
28.	The radius of curva	ture of the arc of the	bubble tube is generally	kept
	a) 25m	b) 50m	c) 75m	d) 100m
29.	Closed contours of (a) Saddle	decreasing values tov b) Hill	vards their centre, repre c) Depression	sent d) River bed
(30.)	Detailed plotting is	generally done by		
0	a) Resection	- b) Traversing	c) Radiation	d) All of these
(31)	Three point problem a) Bessels method c) Lehmans method	can be solved by	b) Tracing paper med) All of these	ethod .
32.	A series of closely s a) Plane surface	paced contour lines _ b) Gentle slope	c) Uniform slope	d) Steep slope
<i>3</i> 3.	A metallic tape is ma-a) Steel	ade up of b) Invar	c) Linen	d) Cloth
34.	a) Reciprocal levelin	g water boils is know	b) Barometric leveli	
P	c) Trigonometrically		d) Hypsometry	
(35.)	required?		table when a contoured	map of a hill is
<u> </u>	A) By graphical meth C) Technometric met		b) By squares d) By cross section	
36.	The correction for sa	g is		
	a) Always zero		✓c) Always subtractiv	ve d) All of these
37.	Which of the followi	ng is not use in GIS?		
	a) Measuring weatherc) Traffic pattern ana	ring data	b) Locating traffic at d) Locating utility p	oles
				. Contd4/-



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38.	Electromagnetic r	emote sensing uses _			
	a) Electromagnets		b) Electromagnetic radiation		
	c) Electromagneti	c energy	d) Electromagnetic spectrum		
39.	Visible light is electromagnetic radiation with wavelength between				
	a) 0.1 μm to 0.2 μ	m	b) 0.15 μm to 0.25	5 um	
	c) 0.4 μm to 0.7 μ	m	d) 1.0 μm to 1.2 μ		
40.	spatial database.				
	a) Topography		- b) Aerial photo gr	ammetry	
	c) Surveying		d) Resource inform	nation system	
41.	The geoid of earth	coincides with			
1	a) Sea level	. b) Earth surface	c) Imaginary surfa	ce d) Ocean floor	
(42.)	A series of closed represents a	contour lines on the m	ap with lower to highe	r values inside them	
	• a) Steep slope	b) Hill	c) Ridge	d) Depression	
43/	A building is an ob a) Ranging but not -c) Both chaining ar	chaining	b) Too chaining bu d) None of these	at not ranging	
44.	The instrument use	d for measuring area o			
	a) Graphometer	b) Areameter	c) Plainometer	• d) Clinometer	
45.	Which among these	e is a method of wiring	27		
	a) Joint box	b) Tee system	c) Loop system	- d) All of these	
46.	Which of the follow	ving item of work not	included in the plinth a	rea estimate?	
	a) Verandah area	b) Room area	Courtyard area	d) W.C area	
47.	The area is measure	ed correct to the neares	+		
	- a) 0.01 sqm	b) 0.02 sqm	c) 0.03 sqm	d) 0.04 sqm	
48.	Percentage of drum	submerged in the class			
0.50	a) 60 cm	b) 65 cm	ry in case of rotary dru		
			c) 70 cm	d) 75 cm	
49.	Irrigation canals are	generally aligned alor	ng		
	a) Contour line	- b) Ridge line	c) Valley line	d) Straight line	
50.	The main function of	of a diversion head wo	rks of a canal from a ri	ver is	
	a) To remove slit		b) To control floods		
	c) To store water			d) To raise water level	
			,		
