1	Who among the following sense and accepted Hindi a	first used the word 'Swarajya' in its political is the national language of India?
	(A) Raja Rammohan Roy	
	(C) Mahatma Gandhi	(D) Bal Gangadhar Tilak
		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2	The Judge of the High Cou	rt in India is administered oath of office by
	(A) The chief Justice of t	
	(B) The Governor of the	State
	(C) The President of India	1 / 1
	(D) The Chief Justice of	India
	8	
3	The Governor may recomme the State	end the imposition of the President's rule in
	(A) On the recommendation	n of the State legislature
	(B) On the recommendation	n of the President
	(C) On the recommendation	n of the Chief Minister
	(D) If he is convinced that	the government of the State cannot be carried
	25 oil in accordance with	the provisions of the Constitution of India
4	Electoral disputes arising out are settled by	of Presidential and Vice-Presidential Elections
	(A) Election Commission of	of India
	(B) Joint Committee of Pr	rhament
	(C) Supreme Court of Indi	a revoluence Melitica Control
	(D) Speaker of Lok Sabha	
	The same of the sa	
5	Select the most appropriate	one to a tall some second as
	It since early m	
	(A) Rained	(B) Is raining
	(C) Has been raining	(D) Had been raining
6	Select the most appropriate	one one that tenders maked as former to
		we reach station
	(A) Left	(B) Has left
	(C) Will have left modified	(D) Had left
(BBH)		Page 2 P.T.O.
DA MINOT HELD		1.100

ARUGIII

7	Select the most appropr			
	The Counsel	to address the co	urt.	
	(A) Rise	(B)	Rose	
	(C) Had arisen		Did rise	
8	A child born after the	death of his/her fat	her is called :	
	(A) Orphan	(B)	Postulant	
	(C) Postilion	(D)	Posthumous	
9	A school boy who cuts	classes frequently	is called :	
	(A) Defeatist		Sycophant	
	(C) Truant	(D)	Martinet	
10	The correct meaning of	To fight tooth a	nd nail -	
	(A) To fight a losing	battle		. 1
	(B) To fight purposef	ully		
	(C) To fight cowardly			
	(D) To make every po	AMERICAN STATEMENT OF THE STATE	Difference of the second	
11	Select the most approp	riate one :		
	If I were you, I	be careful wi	th my words.	
	(A) Will	(B)	Would	
	(C) Shall	(D)	Should	
12	Select the most approp	riate one		
	Of the two assistants he hardworking.	e employed last mor	nth, I find Shyam	
	(A) Most	(B)	Only	
	(C) Least	(D)	More	
13			ark (?) in the following seri	ies?
	N 5 V, K 7 T, ? , E	14 P, B 19 N		
	(A) I 10 R	(B)	H 10 Q	
	(C) H 9 R	(D)	H 10 R	
				<

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	of (Prod How	Company luction of vever, it is	'B' but 'Compar more th	not more ny 'E' is r an that of (garments?	than than than ot as more company	t of Con uch as th 'C' Whic	panies 'C' nat of Con	and 'D' pany 'B' produced	
	(A)	A			(B)	C			
	(C)	D			(D)	Data in			
	Q m O?	S Q mea eans P is	sister of	father of Q Q, then h	ow is Q	related to	N in N/4	of Q, P *	
	-	Grandeau		Amage					
		Grandson					aughter		
	(C)	Nepnew			(D)	Date in	adequate		
16	Four Whic	of the fo	lowing fi	ive are alike does not b	in a cer selong to	tain way a that gro	and so form	a group.	
	(A)	PRT			(B)	QOM			
.0	(C)	CEG			(D)	UWY			
1	from	the right	When	esh is twel they interest. How ma	hange th	eir positi	ons, Rajan	becomes	Z-
((A)	30			(B)	29		Tile.	
((C)	32			(D)	31	20		
							Than		
18 1	n a c	ertain co	le, PERF code?	ECT is wri				BROWN	
(A)	CSPXO	420		(B)	DSQYP			
(C)	CTQXP			(D)	DTQYP	4910		
19 V	What sumb	should co er series	me in pla	ce of the qu	estion ma	ark (?) in	the following	ng letter -	
В	121	E, D 5 H	F 12 F	K, H 27 N	(2)				
(.	A)	1 58 Q				I 57 Q			
(C)	1 58 P			(D)	J 58 Q		/2	
HEAL	1901	0		Page	4		I	2.T.O.	

20	Preheating is usually done while v	welding
	(A) Aluminium	(B) C.L.
	(C) Copper III (C)	(D) M.S.
21	Which one of the following is an	inert gas used for welding 7 A
2.5	(A) Carbon monoxide	(B) Hydrogen
	(C) Oxygen	(D) Argon
22	Which one of the following welding	ng process uses consumable electrode?
	(A) Laser welding	(B) TIG welding
	(C) MIG welding	(D) None of the above
23	In EDM the tool and work-piece	are separated by
20		
- 4	(C) Negative ions	(D) A metal conductor
16		
24	Which surfaces are usually wrung	g together ?
	(A) Thread gauges	
	(C) Slip gauges	(D) Drill shanks and collets
	elmalentig (G)	The state of the s
25	Hardest abrasive is	(B) Silicon carbide
	(A) Diamond	(B) Silicon carbide (D) Sand
	(C) Glass	(D) Sand
26	Tool signature is comprises of h	now many elements?
2.0	(A) 7	(B) 5
	(C) 6	(D) 9 upriming the second of t
3	At 'breakeven point'	(ii) Emphilic in line chergs di
21	(A) Only loss	(B) Only profit
	(C) No profit no loss	(D) Can ^s t say
28	A dummy activity completes the	logical concept and it has
	(A) Long duration	
	(C) Proportional duration	(D) No duration (C)



(A) CPM (B) Inventory cor	
	ntrol
(C) PERT (D) All of the ab	
The second of the second secon	
30 A triac is a	
(A) Unidirectional diode.	
(B) Bidirectional thyristor.	
(C) A combination of two P-N diodes.	
(D) None of the above.	
31 The device commonly used for triggering a triac is	
(A) diode. (B) transistor	
(C) zener diode. (D) diac.	
32 The decimal equivalent of binary 10011 is	
(A) 7 (B) 21	
(C) 17 (D) 19	
The state of the s	School of
33 A hydro-electric power station is commonly found in	
(A) desert areas (B) hilly areas	
(C) swamps. (D) grasslands.	
34 Which of the following enters the super heater of a boile	net all a
(A) Cold water. (B) Hot water.	1
(C) Wet steam. (D) Super-heated s	team
(a) super number (it cuit.
35 The disadvantage(s) of renewable sources of energy is/are	ille looge av
(A) intermittency.	
(B) lack of dependability.	
(C) availability in low energy densities.	
(D) all of the above.	
36 Which of the following is true ?	
(A) Plant utilization factor = plant capacity factor × plan	it load factor
(B) Plant load factor = plant utilization factor × plant co	
(C) Plant capacity factor = plant utilization factor × plan	
(D) None of the above	
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37	A generating station which has a high investment cost and low operating of cost is usually operated as
	(A) peak load station (B) base load station
	(C) medium load station. (D) none of the above.
	familia mollarismini (C) - Frequency of information some
38	The main advantage of ac transmission over de transmission system is
	(A) less insulation problems
	(B) low losses in transmission over long distances.
	(C) less instability problem
	(D) none of the above.
39	The main reason for using high voltage for long distance power
	transmission is 1956 to be the table of the state of the
	(A) reduction in transmission losses.
	(B) reduction in time of transmission
	(C) increase in system reliability.
	(D) none of the above.
	Company (1/1)
40	Thermal noise is independent of
	(C) Bandwidth (D) Boltz mann's constant
43	Balance modulator is used to generate
41	
	(C) DSBSC Signal (D) PAM Signal
42	Primary function of multiplexing in communication system
74.2	(A) To select one radio channel from a wide range of transmitted channels
	(B) To allow a number of signals to make use of a single communications
	channel
	(C) To reduce the bandwidth of a signal
	(D) To match the frequency range of a signal to a particular channel
	William Summe Street, and the street,
43	Optical fiber uses portion of Electromagnetic waves
	(A) Between Infrared and Ultraviolet
	(B) Ultraviolet in the Committee of the State of the Stat
	(C) UHF
	The state of the s
	held selle (G)
IIII	Page 7

44		CM system, quantization noise of	depend	fs on
	(A)	Sampling interval		
	(B)	Number of quantization levels		
	(C)	Frequency of information signa		
	(D)	None of above	Operation	The man and the second
		direct that successive		
45	Ima	ge rejection in super-heterodyne i	receiva	er occurs at
	(A)	RF Stage	(B)	Mixer Stage
	(C)	IF Stage	(D)	Detector stage
			10	
46	Follo	owing diode is used in AM dete	ctor c	circuit
	(A)	Silicon diode		
	(C)	Tunnel diode	(D)	Point contact diode
			Œ	
47	Blue	tooth module communicates usin	g	
	(A)	transmitter	(B)	receiver
	(C)	radio module	(D)	transponder
48	CDN	AA IS-95 technology uses one of	follow	ving multiple access technique
	(A)			
	(C)	THSS	(D)	DSSS
	A.S.		No. of	
49	PLL	can be used to demodulate		MA
	(A)	AM *	(B)	FM + F
	(C)	PM	(D)	PCM
50	An i	maginary line connecting the point ce is known as		
		AND THE RESIDENCE OF THE PARTY		Contour interval
		Horizontal equivalent		
		rionzoniai equivalent	(1.3)	Contour gradient
51		steel used in RCC is		s secondary trans
		Chromium steel	(B)	Stainless steel
	(C)	Mild steel		Cast steel
	22.001000		10.8	

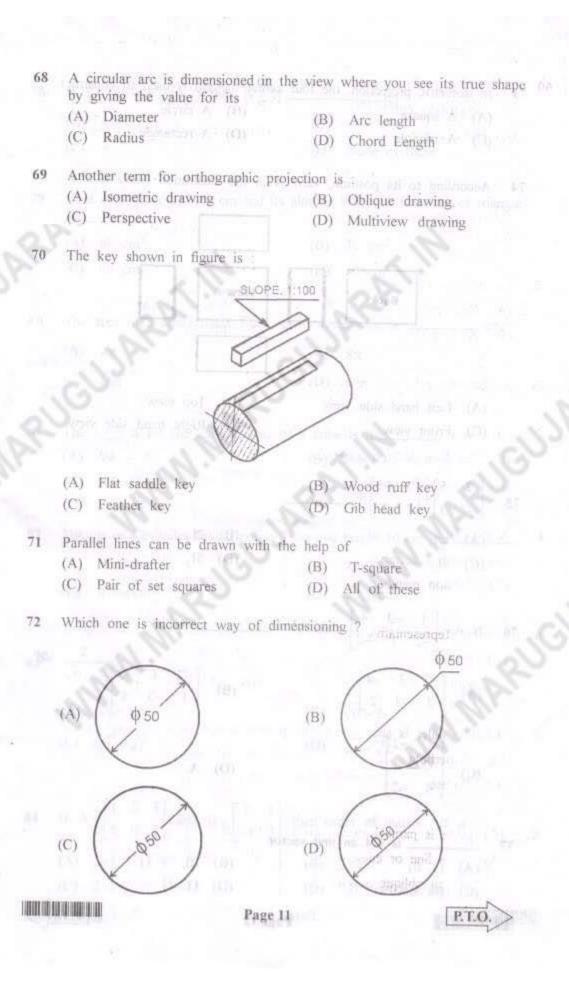
52	A portion of the brick cut across the width is known as
765	(A) Bed (B) Bat (C)
	(C) Base (D) Half brick
1	
53	After casting, an ordinary cement concrete on drying
25.4	(A) Shrinks (B) (B) Expands (A)
***	(C) Remains unchanged (D) Swells
54	Free board in a dam is
1	(A) A type of shutter
	(B) Name of storage
	(C) Margin between the water level and top of the dam
1	(D) Board which moves freely on the surface of water
G6	One of the control of
55	As per Indian standards the total number of links in a 30-meter chain should be
	(A) 100 (B) 150
X	(C) 300 (D) 75
56	The quality of structured steel is normally identified by
	(A) Yield stress (B) Ultimate stress
	(C) Proof stress (D) None of the above
57	The highest point in an arch is known as
27	(A) Key stone (B) Crown
	(C) Ridge (D) King closer
58	Two contour lines having the same elevation
	(A) Cannot cross each other (B) Can cross each other
	(C) Cannot unite together (D) Can unite together
35	Contract to the second of the
59	If the whole circle bearing of any line as observed by a prismatic compass
	is 120°, its bearing on a surveyor's compass is
	(A) \$ 200 E (B) \$ 600 E
	(C) N 120 ⁰ E (D) N 60 ⁰ E

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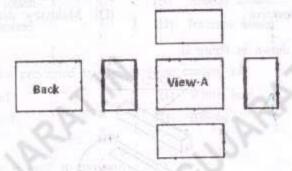
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60	Over turning of vehicles on a curve	can b	be avoided by using	
	(A) Transition curve	(B)	Mean curve (A)	
	(C) Base curve	(D)	Common curve	
61	Acoustical materials of several and		ийн аленд эксэния	
	(A) Reflect sound	(B)	Absorb sound	
	(C) Create sound	(D)	Increase sound	
	CAN TO SURE IN CO.			
62	Rusting can be prevented by the ap	plying	coating of	
	(A) Red lead		White lead	
	(C) Zinc oxide	(D)	Bitumen	
	with all a grand mile and to be a series. We not the source of the series of the serie			
63	A barometer is used to measure			
	(A) Very low pressures	No.		
	(B) Very high pressures			
	(C) Pressure difference between tw	vo poir	nts	
	(D) Atmospheric pressure		1 100	
64	A strut is a		edition of aminhants	
	(A) Flexible member	(B)	Compression member	
	(C) Torsion member	(D)	Tension member	
			The 10 Carpoint, In an	
65	Unit of Representative Fraction (R.	F.) is .	10 To 40 To	
	(A) mm	(B)		
	(C) mm ³	(D)	Unit less	
	same abroxion May		No consult they have	
66	When a bullet is shot in air, the p	ath tra	evelled by a bullet is cal	led
	(A) Hyperbola	(B)	Parabola Parabola	
	(C) Ellipse	(D)	Cycloid	73.
	the as observed by Agricularly comp		ormat state thereo.	
67	If a plane is parallel to the plane	of pro	jection, it appears	
	(A) As a line or edge		Foreshortened	
	(C) As an oblique surface	(D)	True size	
2.00	SYLV FOR GIV Constitute Man		C est sec	7



- 73 In isometric projection, the four center method is used to construct
 - (A) A square

- (B) A circle
- (C) A triangle
- (D) A rectangle
- 74 According to its position, view X in the illustration below is the



- (A) Left hand side view
- (B) Top view

(C) Front view

(D) Right hand side view

$$75 \quad \begin{bmatrix} 2 & 5 \\ -7 & 3 \end{bmatrix} + \begin{bmatrix} 3 & -5 \\ 7 & 2 \end{bmatrix} = \underbrace{}$$

(A) I2

(B) 21-

(C) 31,

(D) 51₂

76 If
$$A = \begin{bmatrix} 1 & -3 & 4 \\ -2 & 1 & -2 \end{bmatrix}$$
 then $A^T =$ ______

(A) $\begin{bmatrix} -1 & 3 & -4 \\ 2 & -1 & 2 \end{bmatrix}$

(B) $\begin{bmatrix} -2 & 1 & -2 \\ 1 & -3 & 4 \end{bmatrix}$

(C) $\begin{bmatrix} 1 & -2 \\ -3 & 1 \\ 4 & -2 \end{bmatrix}$

(D) A

77 _____ is not an unit vector.

(A) (1, 0)

(B) (Ö, -1)

(C) (0, 1,10) and

(D) (1-1)

78 If $\bar{x} = (2,0)$, $\bar{y} = (0,3)$ then $|\bar{x} + \bar{y}|$ (D) None of these Base of a triangle is 12 cm and its altitude is 5 cm. The area of triangle A) 60 cm² (B) 30 cm² 30 em The area of a circle made from 8x cm long wire is The formula for the surface area of a cube is ... (A) 1bh 2(lh+hh+hl)Volume of a cylinder having radius 7 cm and height 10 cm is 70π cm² (A) $490\pi \text{ cm}^2$ then order of matrix AB is (B) 3×2

用从 11月季 開 麦黄

(D) AB does not exit

	85	Whic	h of the fo	llowing is an	advantage	to using fiber optic data	
		(A)	Resistance to	data theft	(B)	Fast data transmission	
			Low noise 1		(D)	All of the above	
	86		strings are o		The last in	ndex of it contains which null	
		(A)	\n_		(B)	//	
		(C)			(D)	11	
	97	Demi	do instruction	ns are basically		10.	
	8/			that are treate		mand	
10		(B)		that are ignore			
		(C)	Assembler		#5 .	33	
		1000000	False instru				
	88	De-r	nultiplexers s	aupports	2		
	- 0	(A)		hexadecimal	(B)		S
- 2		(C)	AC to DC	Stady pur	(D)	Odd parity to even parity	
	89	A p	rotocol is a si	et of rules gove	rning a time	e sequence of events that mus	t
1110			Between pe	eers	(B)	Between an interface	
		(C)	Between m	odems	(D)	Across an interface	
	90	Whi	ch command	is used to re-	move recon	ds including their structure	
	36.93	(A)			(B)		
100		(C)	REMOVE		(D)	None of the above	
			19.				
	91		L stands for	DI TENNENNES	(B)	Data Common Language	
		(A) (C)		ol Language bination Langua			
			a photogram	17	100	all.	
	92	Vir	tual memory	is		The same	
		(A)		large main me	mory		
		(B)		large secondar			
		(C)		of an extrem			
		(D)	A type of	memory used	in super co	omputer	
	1 -	THE R	DIB	P	age 14	P.T.O.	>

	(A)	IN	(B)	LIKE	
	(C)	ORDER BY	(D)	BETWEEN	
94	1100	process of defining a super clas acteristics is known as	ss from sub	class based on sor	ne common
	(A)	Specialization	(B)	Generalization	
	(C)	Categorization	(D)	None of the abo	ve -
				1.	
95	Bloo	d does not coagulate inside	the body	due to the presen	ce of
	(A)	Haemoglobin	(B)	Heparin	
	(C)	Fibrin	(D)	Plasma	
96		ch one among the following es' in the stratosphere?	is respons	sible for formation	of 'Ozone
	(A)	Benzopyrene	(B)	Hydrocarbons	
	(C)	Chlorofluorocarbons	(D)	UV radiation	.00
97		ch one among the following gr perature in changing environm			nstant body
	(A)	Birds	(B)	Amphibians	
		SHIP CHICAGO	CTN	- 1. Turk	
	(C)	Fishes	(D)	Reptiles	
98	A pe	erson feeds on rice and vegeta ruffer from deficiency of :	100	10000	He is likely
98	A pe	erson feeds on rice and vegeta	ble made	10000	He is likely
98	A peto s	erson feeds on rice and vegeta ruffer from deficiency of :	ble made	up of potato only. Proteins	
98	A peto s (A) (C)	erson feeds on rice and vegeta uffer from deficiency of : Carbohydrate and vitamins Carbohydrate and proteins	ble made (B) (D)	up of potato only. Proteins Proteins and fats	RUGU
98	A pe to s (A) (C)	erson feeds on rice and vegeta uffer from deficiency of : Carbohydrate and vitamins	ble made (B) (D)	up of potato only. Proteins Proteins and fats	RUGU
	A pe to s (A) (C)	erson feeds on rice and vegeta uffer from deficiency of: Carbohydrate and vitamins Carbohydrate and proteins ch one among the following 2013 held in India?	ble made (B) (D) countries	up of potato only. Proteins Proteins and fats	RUGU
	A per to s (A) (C) White Cup	erson feeds on rice and vegeta uffer from deficiency of: Carbohydrate and vitamins Carbohydrate and proteins ch one among the following 2013 held in India?	ble made (B) (D) countries	up of potato only. Proteins Proteins and fats won the ICC Won West Indies	RUGU
99	A per to s (A) (C) White Cup (A) (C)	erson feeds on rice and vegeta uffer from deficiency of: Carbohydrate and vitamins Carbohydrate and proteins ch one among the following 2013 held in India?	(B) (D) countries (B) (D)	up of potato only. Proteins Proteins and fats won the ICC Won West Indies	RUGU
99	A per to s (A) (C) White Cup (A) (C)	erson feeds on rice and vegeta uffer from deficiency of: Carbohydrate and vitamins Carbohydrate and proteins ch one among the following 2013 held in India? India Australia 'Thomas Cup' is associated	(B) (D) countries (B) (D)	up of potato only. Proteins Proteins and fats won the ICC Won West Indies	RUGU