RRB Secunderabad Junior Engineers Exam Question Papers

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SECTION - I

	(Poleging today at the composite alleged)								
1.	dentify the city which faced large scale destructions due to 'Hudhud' cyclone recently ?	,							
	A) Chennai (B) Vishakhapatnam (C) Kolkata (D) Hyderabad								
2.	The Fundamental Duties of the Indian citizens are incorporated in the following Article our constitution ?	of							
	A) Article 21 A (B) Article 51 A (C) Article 370 A (D) Article 19 A								
3.	The speed of sound in air is approximately equal to :								
	(A) 3×10^8 m/sec (B) 330 m/sec (C) 5000 m/sec (D) 1500 m/sec								
4.	Hot Wire Instruments read :								
	A) Peak value (B) Average value (C) r. m. s. value (D) None of these								
5)	Strain Gauge is used to convert :								
Jecon	A) Force into displacement								
	B) Mechanical displacement into change in resistance								
	(C) Electric current into Mechanical displacement								
	D) Sound Energy into Electric Energy								
6.	If an object lies in third quadrant, its position with respect to reference planes will be :								
	(A) Infront of V.P., Above H.P. (B) Behind V.P., Above H.P.								
	(C) Infront of V.P., Below H.P. (D) Behind V.P., Below H.P.								
1	ರ್ಷಗೊಂಡಿಯ ಸ್ಥಾರ್ಥಿಕ್ಕಾಗಿ ಕಾಯುಯ ಸಾರ್ವಾ ಪ್ರದೇಶ್ವ ಕ್ಷೇತ್ರ ಕ್ಷಾಪ್ರ್ಯಾಗಿ ಸ್ಥಾರ್ಥಿಕ್ಕಾಗಿ ಸ್ಥಾರ್ಥಿಕ್ಕಾಗಿ ಸ್ಥಾರ್ಥಿಕ್ಕ								
11	(7(0)3, (222)3								
7.	Find the value of $\frac{(768)^3 + (232)^3}{(768)^2 - (768 \times 232) + (232)^2}$:								
	·								
,	(A) 1000 (B) 536 (C) 500 (D) 268								
8.	The Headquarters of West Central Railway is located at :	. U 1							
100	(A) Jabalpur (B) Jaipur (C) Allahabad (D) Ahmedabad								
9	If fineness Modulus of sand is 2.5, it is graded as :	:II							
9	(A) Medium sand (B) Fine sand (C) Coarse sand (D) Very coarse s	and							

if Interly (REG IE)

10.	If $\log_8 x = \frac{2}{3}$, then the value of 'x' is	
-----	--	--

	16
(A)	3

(B)
$$\frac{4}{3}$$

A file which contains transient data to be processed in combination with a master file is (B) Master file

(A) Sequential file

- (C) Random organization file
- Transmission file (D)

M.C. (Moving Coil) and M.I. (Moving Iron) type of instruments can be distinguished by 12. their:

- (A) Range (B) Size of terminals (C) Pointer
- Scale (D)

Compiler and interpreters are examples of :

- System software (A)
- (B) Application software
- Both (A) and (B) (C)
- (D) None of these

Schmitt trigger is also known as: 14.

(A) Sweep circuit

Blocking oscillator (B)

Squaring circuit

Stable multi vibrator (D)

Which ohe girthe following is not a bioble.

Find the missing term of the following series: 15.

Find the value of (2744)

- 24 (A)

Which of the following is a presentation graphics software? 17.

- (A) MS Windows
- MS Word (B)
- (C) MS Excel

Find the missing term of the following series: 18.

BZA, DYC, FXE, _ ? _, JVI.

- (A) HWG
- HUG
- (D) GUH

19.	Wh	ich of the follow	ring is bi	odegrada	ble pol	lutant	?		
	(A)	DDT	(B)	ВНС	ENC	(C)	Cotton cloth	(D)	Mercury
20.	Who	o is the Chief M	linister o	f Tamil N	ladu ?	(As or	01.11.2014)		
	(A)	Mr. O. Panne	erselvam	1	(B)	Ms.	J. Jayalalitha		
	(C)	Mr. Karunani	dhi		(D)	Mr.	Dayanidhi Ma	ran	
21.	With	h the formation	of Telan	gana, hov	v many	y State	es are there in	our cour	itry now ?
		30	(B)	29	ā (a		28	(D)	
22.	Find	out the term w	hich is d	lifferent fi	rom oth	ner ter	ms in the follo	wing :	C
		33, 66, 99, 121, 1							
	(A)	99	(B)	121	mals (C	JOY	279	(D)	594
23.	Tran	nsformer cores a	re lamin	ated in or	der to	mples:	on secundar		
	(A)	Minimise eddy	current	loss	(B)	Redu	ice cost		
	(C)	Simplify its co	nstructio	ons	(D)	None	e of these		(O) Both (
24.	Whi	ch one of the fol	lowing i	s not a No	oble Ga	ns?			
	(A)	Helium		Bromine		(C)	Argon	(D)	Neon
25	For	which of the foll	lowing a	pplication	e a D	C mo	tor is proferre	d over an	A.C. motor 3
7	W	Variable speed			(B)		speed operation		A.C. Motor :
	(C)	Low speed op			(D)		speed operati		
	11	DEE WEST			(5)	11100	opeca operan	OII	
26.	The	nucleus of an at	tom gene	erally, con	tains :				
	(A)	Protons and N			(B)	Proto	ns and Electro	ns	
6	(5)	Electrons and	Neutron	s	(D)		Neutrons		
27.	The	language which	a comp	uter can u	ınderst	and is	1		
	(A)	High Level Las	nguage		(B)	Mach	ine Language		
	(C)	Assembly Lang	guage		(D)		f these		
28.	A for	ur stroke petrol	engine t	heoretical	ly oper	ates o	n:		
	(A)	Joule cycle			(B)	Otto	A CHARLES IN TAXABLE		
	(C)	Brayton cycle			(D)		oloman audo		

CC :	8			. 17				n
29.	Secre	etion of Insulin H	Iormo	ne is by :				
this	(A)	Thyroid	(B)	Pituitary	(C)	Adrenal	(D)	Pancreas
(30.)	Jama	Masjid at Delhi	was l	ouilt by :			of the	
	177 4	Akbar		Jahangir	(C)	Shah Jahan	(D)	Aurangzeb
31.	Whi	ch one of the foll	owing	g is also known as	s Red	Planet ?	The ma	angual tutu
	(A)	Mercury	(B)	Venus	(C)	Earth	(D)	Mars
32.	Who	wrote the book	"Not	Just An Account				
	(A)	P.C. Parakh		ті от төбто ті (В)	ALC: CA	ay Baru		
	(C)	Vinod Rai		(D) leat transfer	Nat	war Singh		
33.	In sa	and Moulding, th	e top	flask is known as	3:		ature g	110
	(A)	Cope	(B)	Drag	(C)	Check	(D)	Fillet
34.	In a	well conditioned	trian	gle, no angle sho				
<i>O</i> ,	(A)	60°	(B)	50°	(C)	30° ai gniwo	(D)	45° Which one of
35.	Find	the value of (1-	+2+3	+4+	_ +45	5): 28 (8)		
Par ch	(A)	2140	(B)	2070	40)	1035	(D)	1280
36.					n is in	clined at an ang	gle of 60	o to the Horizontal
	Plar	ne, its top view m						
ben	(A)	Square of 30 m	W					fit an examina
	(B)	Square of 60 m					nation	
12/4 8	(C) (D)	Rectangle of 45				(B) 1800 · · · · · · · · · · · · · · · · · ·		(A) 200
1811	45							47 Find the LC
37.	Red	rot is a plant dis	sease	which affects:				
	(A)	Wheat	(B)	Rice	(C)	Sugarcane	(D)	Cotton
38.	are	opened simultan	eously	y, then how much	time	will be taken to	fill this	
for the	JAT	20 hours	(B)	$40\frac{1}{2}$ hours	(C)			42 hours
39.	Ear	thworm belongs	to wh	ich of the followi	ng An			(A) 4279
08		Arthropoda		Mollusca	(C)	Annelida	(D)	Protozoa
	(2)	(CO) + (D)	0	3 Wall	12/2	L La	13	TSD001414

40.	Whe com wor	en Ram and Mo plete this worl k ?	ohan wo k in 12	ork togeth days the	er, they n in how	comp w mai	olete a work ny days Mo	k in 4 days. ohan alone	If Ram ald	one can ete this
	(A)	10 days	(B)	8 days		(C)	6 days	(D)	16 days	
41.	A si unit	mply supported length. The ma	d beam aximum	of length bending	L is loa momen	ded w	vith a unifor be:	rmly distrib	uted load o	f ω per
	(A)	$\frac{\omega L^2}{4}$	ABI	$\frac{\omega L^2}{8}$	(D)-0 1011-910	(C)	$\frac{\omega L^2}{2}$	(D)	ωL^2)
42.	Fins	are provided o	n heat t	ransferrin	g surfac	e in o	order to incr	ease :		
	(A)	Heat transfer		इत्युक्त कर्म	(B)	THE LOT !	transfer co			
	(C)	Temperature	gradien	t	(D)		hanical stre		equipment	
432	For	perfectly elastic	bodies,	the value	of coeff	ficient	of restitution	on is •	30 (/	j. N
		zero		0.5		10)		(D)	0.25	
44.	Whic	ch one of the fo	llowing	is not a s	calar ou	antity	CY			
	(A)		(B)	Mass	cular qu	(2)	Force	(D)	Length	
45.	Find	the average of	all prin	ne number	rs betwe	en 30	and 50:			
		48		39	ni si min	ser	39.8	(D)	38	
46.	In ar	n examination, 3 he examination	5% of th	ne student	s passed	d and	455 failed.	How many	students ap	peared
	(A)	700	(B)	1300		(C)	845	(D)	1250	
47)	Find	the L.C.M. of	148 and	185.						
1/	(A)	680	(B)	740	(D) (O)	(C)	2960	(D)	3700	
48.	A 4 -	- pole, 1500 r.p.	m. alter	nator will	genera	te e.m	n.f. at :			
	(A)	20 Hz	(B)	60 Hz	ontit M	(C)	40 Hz	(D)	50 Hz	
49.	every	n examination, y wrong answer ber of questions	. If he	attempts i	n all 60	or eve quest	ery correct ions and sec	answer and cures 130 m	l loses 1 ma arks, then fi	ark for nd the
	(A)		(B)	48	-A syde	(C)	36	(DA)	38	

Ampere second is the unit of: 50.

(A) Charge (B) Power (C) Voltage (D) Energy

One side of a rectangular field is 15 metres. The length of diagonal of this rectangular field is 51. 17 metres. Find the area of this rectangular field.

(A) 120 m^2

(B) 60 m^2 (C) 255 m^2 (D) $144 \frac{1}{2} \text{ m}^2$

The resultant of two forces P and Q acting at an angle θ , is given by : 52.

(A) $\sqrt{P^2+Q^2+2PQ} \tan \theta$

(B) $\sqrt{P^2 + Q^2 + 2PQ \sin\theta}$

 $\sqrt{P^2+Q^2+2PQ\cos\theta}$

(D) $P+Q+2PQ \tan\theta$

Power Loss in a resistor is given by:

(A) $P = V^2R$ (B) $P = \frac{V}{I}$ (C) $P = \frac{I^2}{R}$ (D) $P = \frac{V^2}{R}$

54. If the cost of 'x' metres of wire is 'd' rupees, then what is the cost of 'y' metres of same wire?

 $(e) \frac{xy}{d}$

Primary storage in computer terminology refers to:

Hard Disc Drive

Random Access Memory (RAM) (B)

Read Only Memory (ROM) (C)

The storage device where the operating system is stored (D)

Which of the following flip-flops is used as Latch?

(A) JK flip-flop

(B) RS flip-flop

(C) D flip-flop

(D) T flip-flop

will translate the complete programme at once from a high level language to the 57. machine language.

(A) Compiler

Assembler (B)

Joystick (C)

Bus (D)

Which of the following is a prime number? 58.

(A) 33

93 (C)

(D)

Ab

59.	The	total number of	hones	in the average a	dl. b				
AU		350						Аттретвручрпы	
	(21)	550	(0)	206	(C)	115	(D)	540	
60.	Wa	ter has its maxim	num de	ensity at : referri					
	(A)	0°C	(B)	100°C	(C)	50°C	Ingride (DX	One side of a re	
			(-)		(C)	30 Cm	(طل	4 Conom	
61.	Wh	ich of the followi omobile Engines	ng pro	cesses is general	ly used	d for mass proc	luction o	of connecting ro	od o
	(A)	Sand Casting	(B)	Cold Heading	(C)	Forging	(D)	Spinning	n
62.	Wha	at is the General	formu	la of Alkanes ?		Bar	+2PO ta		
	(A)	C_nH_{2n+2}	(B)	C _n H _{2n}	(C)	C_nH_{2n-2}	(D)	C_nH_{2n+4}	
63.	A ga	ate in which all in	nputs	must be high to g	get a lo	ow output is :		equipment	
	(A)	An inverter	(B)	AND gate	(C)	NOR gate	D	NAND gate	
					rncer 	S/C	15		
64.			ng Am	plifiers produces	the le	east distortion	, (10)	93777 9 ·(A)	
	(A)	Class A	(B)	Class B	(C)	Class AB	40)	Class C	
65.	Cycl	a converter conv	13000	STEED OF THE STEED	anger:			If the cost of	
05.		o converter conv	ens:						
	(A)	AC to DC		12 1		(8) A (8)			
	(B)	DC to AC				20.9			
	(C)			ble magnitude A		primited veture			
	(D)	A fixed DC to a	varia	ble magnitude D	C			Malmall As	
56	Como	nation of water a			. 0	Memory (RAK	Access	(B) Randon	
66.				or cement from				nown as :	
	(A)	Segregation	(B)	Creeping	(C)	Bleeding	(D)	Flooding	
57.	The	value of binary 1	111 is						
	(A)			2 ³ -1 (chois)	(C)	24 Goll-cell s		Witten on W	
	(11)		(0)	al-qin di (D)	(C)	Lan ex (a)	4D)	24-1	
58.	The l	oad which does	not ch	ange its magnitu	de and	d position with	time is	called :	
	(A)	Live load	(B)	Dynamic load	903017.09				
	` '		(-)	- Jamilat Tout			(0)	Dead load	
9.	Find	the missing term	of the	following series	for P	dmes A. (d)			
		27, 16, _ ? _ 36,		8 3 3 3 3 3 3					
	(A)	25	(B)	216	(C)	64	(DY		

70	The entropy	of	universe	tends	to	be	:
/U.	THE CHUOP	~	CLA LA . COLO	STIP OF SHIP			

- Minimum (A)
- (B) Zero
- Average (D)
- Maximum

Ammonia is prepared commercially by the: 71.

- (A) Oswald process (B) Hall process
- Haber process Contact process (D) (C)

A bullet is fired vertically upwards with a velocity of 196 m/sec. What is the maximum 72. height reached by the bullet? (Assuming $g = 9.8 \text{ m/sec}^2$)

- 1960 m
- 196 m (B)
- 490 m

73. If
$$\frac{x}{y} = \frac{6}{5}$$
, then find the value of $\frac{x^2 + y^2}{x^2 - y^2}$:

Goutam Buddha delivered his first sermons at: 74.

- (A) Kusinagar
- Sarnath (B)
- Pataliputra
- Vaishali

The 'Quit India Movement' was launched in the year: 75.

- 1920 A.D.
- (B) 1930 A.D.
- (F) 1942 A.D.
- (D) 1946 A.D.

'When a body is wholly or partially, immersed in a fluid, it experiences an upthrust equal to the weight of the fluid displaced'. This is known as:

- (A) Pascal's principle
- (B) Archimedes principle

Stoke's law

(D) Newton's Laws of Motion

Disinfection of drinking water is done to remove: 77.

- (A) Odour
- (B) Bacterias
- Turbidity
- Colour (D)

Projection of an object shown by three views is known as: 78.

- (A) Perspective
- Oblique (B)
- Orthographic

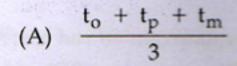
The total surface area of this

None of these (D)

The United Nations Day (U.N.Day) is celebrated every year on : 79.

- (A) Dec 26
- Nov 14 (B)
- Sept 5 (C)

80.	If to tp and	t _m are the optimistic,	pessimistic a	nd most likely	time estimates	of an	activity
	respectively	, then the expected tin	ne 't' of the ac	tivity will be:			



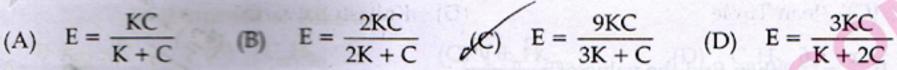
(B)
$$\frac{t_o + t_p + 3t_m}{5}$$

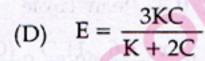
$$(C) \quad \frac{t_o + t_p + 2t_m}{4}$$

(D)
$$\frac{t_o + t_p + 4t_m}{6}$$

Choose the option which correctly shows the relationship between Modulus of Elasticity (E); 81. Modulus of Rigidity (C) and Bulk Modulus (K):

(A)
$$E = \frac{KC}{K + C}$$







Who is the winner of Mens Singles Title in Tennis in US open, 2014?

(A) Roger Federer

(B) Kei Nishikori

Marin Cilic

- Rafael Nadal (D)
- The elements which have same mass number but different atomic numbers are known 83. as:

- (A) Isotones (B) Isobars (C) Isotopes (D) Halogens
- Weld spatter is a/an: 84.
 - (A) Flux
- (B) Electrode
- (C) Welding defect (D) None of these

Fire 'Quit India Movement' was launched in

- A CRO can display: 85.

 - (A) D.C. signals only (B) A.C. signals only
 - - Both D.C. and A.C. signals (D) Time invariant signals
- The pollutant responsible for ozone holes is: 86.
 - (A) CO₂
- (B) CO (C) SO₂ (D) CFC
- A transformer has 1000 primary turns. It is connected to 250 volts A.C. supply. Find the number of secondary turns to get secondary voltage of 400 volts.
 - 1600
- (B) 625
- (C) 100
- (D) 1250
- Lokpriya Gopinath Bardoloi International Airport is located at :
 - (A) Jaipur
- Bangalore (B)
- (C) Guwahati
- (D) Hyderabad

89.	Time constant	of a series	R-L circuit is

- $\frac{L}{R}$ seconds LR seconds
- L²R seconds
- (D) LR² seconds

Who wrote 'Indica'? 90.

- Kautilya (A)
- Kalidasa (B)
- Shudraka
- (D) Megasthenes

Who is the winner of Nobel Prize, 2014 in the field of Economics? 91.

(A) Patrick Modiano

Malala Yousafzai (B)

(C) Jean Tirole

Kailash Satyarthi

A cyclotron is a:

- Bunch of Gamma Rays (A)
- High Frequency Oscillator
- Particle Accelerator (C)
- None of these (D)

A man buys an article for ₹ 490 and sells it for ₹ 465.50. Find his loss percentage. -93.

- (A) 4%

- 5.5%

'The Servants of India Society' was founded by :

- (A) Jyotiba Phule
- G.K. Gokhale (B)
- B.G. Tilak
- B.R. Ambedkar (D)

Find the angle between the hour hand and the minute hand of a clock when the time is 10.25 hours i.e. 25 minutes past 10 ?

- 180° (A)

Hopkinson's test for D.C. motors is conducted of:

- Low Load (A)
- Half Load
- Full Load
- No Load

The dimensions of a brick are 10 cm×4 cm×3 cm. What is the total surface area of this 97. brick?

- (A) 82 cm²
- 164 cm²
- 120 cm²
- 180 cm²

To be eligible for elected as President, a candidate must be :

- (A) Over 25 years of age
- Over 30 years of age (B)
- Over 35 years of age
- Over 60 years of age (D)

- The reduced bearing of a line is N 87° W. Its whole circle bearing is : 99.
 - 273° (A)
- 93°
- 100. Arrange the fractions $\frac{3}{5}$, $\frac{4}{7}$, $\frac{8}{9}$ and $\frac{9}{11}$ in their descending order:
 - $(A) \frac{8}{9} > \frac{9}{11} > \frac{3}{5} > \frac{4}{7}$
- (B) $\frac{9}{11} > \frac{8}{9} > \frac{4}{7} > \frac{3}{5}$
- (C) $\frac{3}{5} > \frac{4}{7} > \frac{8}{9} > \frac{9}{11}$ (D) $\frac{4}{7} > \frac{8}{9} > \frac{3}{5} > \frac{9}{11}$
- 101. The pressure exerted on the walls of a container by a gas is due to the fact that Gas molecules:
 - Stick to the walls of the container (A)
 - Lose their kinetic energy (B)
 - (C)Get accelerated towards the wall
 - Change their momentum due to collision with the wall. (D)
- 102. The thermal diffusivity of a substance is given by :
- (B) $\frac{K}{\rho C}$ (C) $\frac{KC}{\rho}$ (D) $\frac{\rho C}{K}$

[Where $K = Thermal conductivity; \rho = Mass density; C = Specific heat]$

- 103. Boyle's law states that :
 - (A) The pressure of a gas varies directly with temperature at constant volume i.e. PαT.
 - The product of pressure and volume of a given mass of a gas is constant at constant temperature i.e. PV = constant.
 - The volume of a gas varies directly with temperature at constant pressure i.e. $V\alpha T$.
 - The pressure of a gas varies directly with volume at constant temperature i.e. $P\alpha V$.
- 104. At what temperature, both Celsius and Fahrenheit scales will show the identical readings?
 - (A) 100°
- (B)
- (D) 40°
- 105. A capacitor stores 1 coulomb at 10 volts. Its capacitance is (f = farad) :
 - (A) 1 f
- 10 f (B)
- 0.1 f
- 0.01 f(D)
- 106. Who is the Chairperson of National Commission for Women in India? (As on 01.11.2014)
 - Jayanti Patnaik (A)

Girija Vyas (B)

Mamta Sharma (C)

Lalitha Kumaramangalam

CC						25				
107.	In a		e lang	uage,	'HAND' i	s writ	ten as	'SZMW', then	what w	vill be the code of
	(A)	ORNP	rogram Ticom	(B)	PNRO		198	NROP	(D)	RNOP
108.	The f	famous chin	ese pil	grim	'Hieun Tsa	ang' vi	sited l	ndia during the	e reign o	of :suret Pril (8)
	(A)	Harshavar	debires		Saturda	(B)		ndragupta II		(A) Thursda
	(C)	Ashoka	s in a j			(D)	Kani	shka		force best out m
109.	Whe	n an object onal view o	is cut l	oy a s bject	section plar is obtained	ie, para	allel to	H.P. and perp	endicula	ar to V.P., then the
	(A)	Top view		(B)	Front view	W	(C)	Left side view	(D)	Right side view
110.	A co	nductor of netic field o	axial l f stren	engtl	n 30 cms c .4 tesla. W	arries hat is	a curr the fo	ent of 100 A ar	nd lies a	at right angle to a
	(A)	10 N		(B)	12 N		(C)	1.2 N	(D)	ength of this l
M.	The	property of	a mate	erial l	by which it	can b	e rolle	d into sheets is	called :	9.2 m
0	(A)	Elasticity			Plasticity		(C)	Ductility	(Đ)	Malleability
112.	'Gid	dha' is a fol	k dano	ce of	eiminani A			(B) Copper		(A) Lend
	(A)	Punjab		(B)	Uttar Pra	desh	(C)	Assam	(D)	Maharashtra
113.	Iden	tify the dise	ease w	hich :	is caused d	ue to		ncy of Protein ?	The state of	
4 10	(A)	Scurvy		(B)	Beri-Beri		(C)	Night-Blindne	ess (D)	Kwashiorkor
114	With which of the following, the intrinsic semi conductor Silicon be doped in order to obtain p-type semi-conductor ?									
	(A)	Boron		(B)	Phosphor	rus	X	Gallium	(D)	None of these

115. Which of the following is a universal gate?

(A)

NAND

NOR

116. The length of two trains are 140 m and 160 m respectively. If they run at the speed of 60 km/h and 40 km/h respectively in opposite directions on parallel tracks, then find the time in which they will cross each other.

10 sec (A)

10.8 sec

(C) 9 sec (D) 9.6 sec

117.	Which device changes the alternating e.m.f. generated by the D.C. Generator in its armatical to D.C. ?										
	(A)	Slip ring	(B)	Rectifier	JOY	Commutator	(D)	None of these			
118.		January, 2014 wa	as We	dnesday, then 29	9 th Dec	cember, 2014 will	be:	08. The fagrous of			
	(A)	Thursday	(B)	Monday	(C)	Saturday	(D)	Friday			
119	A tri	ac is a :		(D)				i democratic			
	(A) Two terminal bi-directional switch										
	(B) Three terminal bi-directional switch										
	(C)	C) Two terminal uni-directional switch									
	(D)	Three terminal u	uni-di	rectional switch		arm OF dinnel fi					
120.	60° v	-	The f					makes an angle of wall. What is the			
	(A)	9.2 m	(B)	2.3 m	(C)	6.9 m	(D)	7.8 m			
	yill							Applicate (38)			
121.		na is an ore of :					(-)				
	(A)	Lead	(B)	Copper	(C)	Aluminium	(D)	Iron			
122.		sum of two numbers.	ers is	40 and the differe	ence of	f these two numb	ers is 4	4. Find the ratio of			
	(A)	11:9	(B)	11:18	(C)	22 : 9	(D)	17:13			
123	The	BIS code which d	eals w	rith steel structur	es is :						
	(A)					BIS: 875	(D)	BIS: 1893			
124. The area of an equilateral triangle is $24\sqrt{3}$ cm ² . What is the perimetriangle?											
	(A)	96 cm	(B)	$4\sqrt{6}$ cm	SE	12√6 cm	(D)	6√6 cm			
125.	Whe	n we open an int	ernet	site, we see 'ww	w' ? \	What is the full fo	orm of	'www' ?			
	(X)	(A) World Wide Web (B) World Wide Word									
	(C)	Words Wise We	b	(D)	Non	e of these					

CC				27						
126.	The	term 'Operating	System' means :		MERCHANIC HIS ST					
	IN	A set of progra	ammes which control	s compu	ter working		gal A.S. (A)			
	(B)	The way a con	nputer operator work	s	outsex-SatVages		In the second			
	(C)	Conversion of	high level language i	nto mach	nine level langua	ige				
	(D)	None of these	ew 1950 modernment "	er ned .	gamester VI anv	1 2102	What is Salahan By			
		(1) 25 men	6769 (P)		serdin (fl)	p or and	thought, (S.).			
127.		THE RESIDENCE OF THE PROPERTY	plane in such a way e so traced is called :	that the	sum of its distar	ces fro	m two fixed points			
	(A)	Parabola	(B) Ellipse	(C)	Hyperbola					
128.	A by	yte is group of :		Distry.	is the control of the	no l	and a second			
		2 bits	(B) 4 bits	Jes	8 bits	(D)	16 bits			
	1 14	(D)			(B) 2		(A)			
129.	Who	is the Presiden	t of China? (As on	01.11.201	4)),			
	(A)	Li Keqiang	(B) Xi Jinping	(C)	Shinzo Abe	(D)	Hu Jintao			
						,III, III	moord drags			
130.	Who	is the speaker	of present Lok Sabha	? (As o	n 01.11.2014)					
	(A)	Smt. Sumitra	Mahajan (I	3) Smt.	Sushma Swara	j				
	(C)	Smt. Meira Ku	mar (I	O) Non	e of these	es ne sie Jesaols				
131.			s in 24 seconds. Find		-	noisi	out fine			
	(A)	20 km/h	(B) 24 km/h	(C)	28.5 km/h	D	30 km/h			
			JaoN (O)			1 (8)	(A) Present			
132.	The relationship between Bulk density (γ) , Dry density (γ_d) and water content (ω) for soil is:									
		t be	drinking water mus				43), BOD (Bio Ch			
	(A)	$\gamma = \gamma_{\rm d}(1+\omega)$	(B) $\gamma_d = \gamma(1+\omega)$	(C)	$\gamma = \frac{\gamma_d}{1 + \alpha}$	(D)	$\gamma = \gamma_d (1 - \omega)$			
	A		342 -21 35		are St(T, 08)		all + 1981 (7.)			
122	Whi	ch country won	the FIFA world cup,	2014 in	Football 2					
(100.						(D)	Evange			
	(A)	Germany	(B) Argentina	(C)	Brazil	(D)	France			
134.	Whi	ch of the followi	ing is not a cold work	ing proc	ess ?					
		Extrusion		(C)	Blanking	(D)	Lancing			

.135. Pointing to a man in a photograph, Asha said, "His mother's only daughter is my mother". How is that man related to Asha?

(A) Brother

(B) Maternal Uncle (C) Grand father (D) Father

136.	Wha	t is 15% of 34 l	kg?		echora		geninge	O' milit arrickant		
	(A)	3.4 kg	(B)	3.75 kg	(C)	4.50 kg	10)	5.10 kg		
137.	Sach is Sa	in is younger th	han Rah	nul by 4 years. If	f their	ages are in the	ratio of	7:9, then how old		
	M	14 years	(B)	21 years	(C)	18 years	(D)	25 years		
138.	Whie	ch one of the fo	llowing	; instruments wil	l be us	sed for measuri	ng electr	ric current ?		
				Ammeter						
139.				value of 'n' is :				(28. A b) to A gro		
	(A)	3	(B)	2	(C)	0	(D)	-2		
140.	0. The length of a bar is L metres. It extends by 2 mm when a tensile force F is applied. Fine strain produced in the bar :									
58.X	(A)	0.002 L	(B)	$\frac{2}{L}$	(C)	e najanay	(D)	0.002		
141.	Large scale deforestation decreases :									
	200	Soil Erosion	(B)	Rain fall	(C)	Drought	(D)	Global warming		
142.	Zeroth Law of thermodynamics forms the basis of measurement.									
elios i	(A)	Pressure	(B)	Temperature		Work	(D)	Momentum		
613	ROD	(Rio Chemical	Ovuger	n Demand) of sa	fo drin	king water mus	t ho :			
0	(A)	0		50 ppm	(C)	100 ppm	(D)	200 ppm		
144.	The	slenderness rati	o of a c	ompression men	ber is	:				
	Effective length Actual length									
	(A)	Least radius o	of gyrati	on (B)		ment of inertia				
		Moment of in	ertia		A	ctual length				
	(C) Actual length (D)				_	Radius of gyration				

145. Which National Park is known for the 'Asiatic Lions'?

- (A) Corbett National Park
- (B) Kanha National Park

(A) Brother

- (C) Bandipur National Park (D) Gir National Park

146.	In which of the following movement did Gandhiji make the first use of Hunger Strike as weapon ?									
	(A) (C)	Ahmedabad Swadeshi N			(B) (D)		rlatt Satyagra mparan Saty		917	
	(0)	Dividues in the	TO VEINER	मारा का लाम	FIFT	AL EL	inpuran buty	agrana, 1	PH'H	5 7018
		(D) हेह्याबाद	J)	्रकोशकात्	D)	PESF	गहमूहामी 1 (8)			
147.	Find	the simple	interest	on ₹ 480	00 at th	e rat	e of $8\frac{1}{2}\%$ p	er annun	n for a	period
51		ars 3 months		के मोलिक	क्त्रीएक व	Hisans	भोगांत के उत्पर्ध	के किस अनु	FIREIR	
	(A)	₹ 796	(B)	₹ 816		(C)	₹ 918	(D)	₹ 990	
148.	Glob	oal warming i	s caused l	by:						
		N ₂	/			(C)	Ozone	(D)	None	of these
149.		many terms 208, 215,		in the foll	lowing s	series	?	~\C	Jen	(A)
		26	(B)	25	doxibe fiscard	(C)	24	(D)	23	
150.	The	Indian Stand	ard Time	(I.S.T.) is a	ahead o	f Gree	enwich Mean	Time (G.)	M.T.) by	, (O)
	(A) 6 hours					5 ho				
	(C)	6 hours 30 i	ninutes		(D)	5 ho	urs 30 minut	es ple le		
		(भी स्थेन्सी से		PIPSTY OF	-000)इनमें इ	क्षित्र सहित्र विकास	विस्थापन में		
			ोल्ड क्रमी	Vision P	D) 8	,-	ह विस्थापन मे			
14.			GP	रहा भारत है						
			मिन्सिक हैं		र स्वक्रियत		化中华人民共和国			, यदि ए
		अगर्गा अगर		क के (प्र.)			.P.) केरबोक्के			(A)
				P.) \$ 34	मतल (H	तिन स	.१.) के पांछे, ही			
		रणी में सुप्त पद		र्ने र्न (.Q.H) छित्रम	विशिवन	.ए.) के सामने		अध्यांभ	
				fir # (A 18	। १) गजन		P.) के पीछे, क्ष	(C)		(D)
					। प्राचीत		Н Гат			

(A) 10001 (C) (C) 53665 (C) 50041 (E) (D) 26842 (A)

हत्यां में कीन का मुख्यां मार्था (presentation graphies) सामक्री किली महामार्था किली में प्रमानिक के मार्थ किल

 $(768)^2 - (768 \times 232) + (232)^2$