QUESTION BOOKLET

Duration : 120 Minutes	Exam Code :				
समय : 120 मिनट	परीक्षा कोड :				
No. of Pages / पृष्ठों की संख्या : 240	Total Marks / कुल अंक : 150				
Roll No. :	Question Booklet No.				
अनुक्रमांक :	प्रश्न पुस्तिका संख्या :				
Date of Examination :	OMR Answer Sheet No.				
परीक्षा तिथि :	OMR उत्तर शीट क्रमांक				
Candidate's Name / परीक्षार्थी का नाम	Candidate's Signature / परीक्षार्थी के हस्ताक्षर				
*** As given in application fo	rm / आवेदन पत्र में दिये गये ***				
CANDIDATE SHOULD OPEN THE SEALS ONLY AFTER THEY ARE ASKED TO DO SO. परीक्षार्थी निर्देश मिलने पर ही सील खोलें।					

The question paper is made up of the following sections as tabulated below. निम्न तालिका में दर्शाये अनुसार, इस प्रश्न पत्र को निम्नलिखित भागों में विभाजित किया गया है।

Section / भाग	Language / भाषा	No. of Questions /	Pages / ਧ੍ਰਾਫ			
Occion / Ana	Language 7 mm	प्रश्नों की संख्या	From / से	To / तक		
Section-I	English / अंग्रेजी	150	15	34		
Section-II	Section-II Hindi / हिन्दी		35	58		
Section-III	Urdu / उर्दू	150	59	78		
Section-IV	Assamese / असामी	150	79	98		
Section-V	Bengali / बंगाली	150	99	118		
Section-VI	Gujarati / गुजराती	150	119	138 158		
Section-VII	Kannada / कन्नड़	150	139			
Section-VIII	Manipuri / मणिपुरी	150	159	178		
Section-IX	Marathi / मराठी	150	179	198		
Section-X	Odia / उड़िया	150	199	218		
Section-XI Telugu / तेलगू		150	219	238		

English Paragraph: All the details given by me in the Application Form are true and complete to the best of my knowledge. I understand that I may be issued with Call letter for the exam on the basis of above information and mere issue of call letter will not confer on me any right to be eligible for the post. I also understand that in case any of my statements are found to be untrue at any stage of recruitment or thereafter, I shall be disqualified forthwith for the post applied for and I shall be liable for any other penal action under the extant rules.

हिन्दी पैराग्राफ: आवेदन पत्र में मेरे द्वारा दिया गया सभी विवरण मेरी अधिकतम जानकारी के अनुसार सत्य और पूर्ण है। मैं समझता / समझती हूँ कि मूझे परीक्षा के लिए उपर्युक्त सूचना के आधार पर बुलावा पत्र जारी किया जाएगा और केवल बुलावा पत्र जारी करना पद के लिए पात्र होने का मुझे कोई अधिकार नहीं देता है। मैं यह भी समझता / समझती हूँ कि यदि मेरा विवरण भर्ती के किसी चरण पर या तत्पश्चात असत्य पाया जाता है, तो मैं आवेदित पद के लिए तत्काल निर्हरक हो जाऊंगा / जाऊंगी और मुझ पर लागू नियमों के तहत कोई अन्य दंडात्मक कार्रवाई की जाएगी।

Signature of invigilator / निरीक्षक के हस्ताक्षर	Centre / सैंटर	Deptt. / डिपार्टमैंट

TSG001414

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INSTRUCTIONS

(Please read carefully and comply)

- Kindly read the complete set of instructions carefully and also see the instructions on the back side of the OMR Answer Sheet and fill the details in the OMR Answer Sheet and Question Booklet.
- One paragraph each in Hindi and English is given on page 1. Copying of the paragraph (in the language as filled in the application form either in Hindi or English) in your running hand is compulsory. DO NOT USE BLOCK LETTERS.
- 3. (a) Question Booklet Serial No. must clearly be written and marked in the bubbles in the space provided in the OMR Answer Sheet.
 - (b) OMR Sheet No. should be written in the space provided in the Question Booklet.
- 4. After being instructed to open the Booklet, the candidates will open the Seals. Check whether the booklet contains 150 questions and start the paper from Page No. 15.
- The question paper comprises 150 questions available in congruent versions of English,
 Hindi, Urdu, Assamese, Bengali, Gujarati, Kannada, Manipuri, Marathi, Odia,
 Telugu. In case of any doubt or confusion, English version shall prevail.
- All Questions are of Objective type. There is only one correct answer/best answer to each
 question carrying one mark. There will be negative marking for wrong answers. For every
 wrong answer, 1/3 mark will be deducted.
- 7. In the event of any mistake in any question/s, candidate will not be penalized. However, no corrections will be made in question/s during the examination.
- 8. You must use Blue or Black ball-point pen only for answering. Altering of answers once entered is not permissible. Enter the answers in the OMR Answer Sheet carefully.
- Rough work, if any, may be done in the Question Booklet only in the space provided at the end of the Booklet or at any specified space. No additional paper shall be provided.
- Use of Log tables, Calculator, Slide Rule, Mobile Phone, Pager, Digital diary or any other electronic item/instrument etc. is not allowed. Their use will result in disqualification.
- 11. No candidate should leave the examination hall before the final bell. The top sheet of Question Booklet as well as the Answer Sheet should be handed over to the invigilator before leaving the Examination Hall.

TSG0	01414		16			2004
	(C) Corui	ndum	A	Polystyrer		
15.	Which of the (A) Quart	he following is pie: tz	zo-electric ma (B)	terial ? Silica San	ıd	
14.	(A) high (B) low re (C) low c	s used in the manusaturation magnet etentivity only oercive field only saturation magnet	isation only	,		
13.	(A) work (B) weldi (C) this p	ad welding position pieces lie flat, welling is performed frosition is most sin suitable for Subm	lding is done f om the unders ople operation	rom upper side of join as compa	side of joint t	iition
12.	(A) Weld (B) Meta (C) In Pr state	ng process, which ling size depends I fusion takes plac essure welding, the flame is used as h	on contact are se by raising the ne ends of me	ea of the fance tempera etals piece	ature to fusion es are joined i	point
11.	(A) a bar (B) a tun (C) a car	rged Arc Welding, re metal electrode gsten electrode a bon electrode and ype of electrode c	and work piece nd work piece I work piece		ween	
10.	For small (A) fine (C) coars	and intricate casti se	ngs, the sand (B) (D)	grains sho medium rounded	ould be	
9.	(A) axle	ne main shaft of ar k shaft	n engine that o (B) (D)	drive sha	ft	piston?
8.	(A) negli (B) no d (C) cons	tate Heat flow imp igible flow of heat ifference of tempe stant heat flow rate orm rate in temper	rature betwee i.e. heat flow	rate indep		
7.	pattern pr	m is used to design roduced by maching ghness riness		? Lay	e predominar	t surface

16.	Whice phase	ch three-phase connection car se difference of 30° between	be u	sed in a transformer to introduce a
	voita	iges?		
		Star-Delta Delta-Delta	(B) (D)	The second secon
17.	If two	o conductors carry current in th	ne sar	
	(A)	Conductors attract each other		ne direction
		Conductors are in resonance		
	(C)	Conductors repel each other		
	(D)	Voltage between two conduct	ors in	creases
18.	IIOWII	ording to Joule's Law, heat e ng through a conductor of Res portional to	energy sistanc	produced by a Current I while se R for a Length L and Time T, is
		Tonly	(B)	I ² RT
	(C)	(a. the contract of the contra	(D)	
			(0)	IKE
19.	Recip	procal of magnetic permeability	/ is	
	(A)	Conductance	(B)	Susceptance
	(C)	Reluctivity	(D)	Permittivity
20.	۸	torial is a side.		
20.	A ma	terial is said to have become s	upero	conductor when
		ts resistance becomes negative		
	• •	ts resistance becomes very sr ts resistance decreases	nall	
	17. mar 17. ma	ts resistance becomes zero		
	(-)	is resistance becomes zero		
21.	When	a given transformer is opera	ating a	at its rated voltage with reduced
		ron losses are reduced	/R)	Flux donaity remains
		Core flux density is increased	(D)	Flux density remains unaffected Core flux density is reduced
			(-)	core hax density is reduced
22.	The a	rmature core of a d.c. machin	e is u	sually made of laminated sheets
	in orde	erto		
		educe hysteresis loss		
	(C) r	educe armature copper losses educe eddy current		
		ncreases its surface area for be	ottor o	lincipation of hart
	1-7-	to surface area for be	eller C	issipation of neat
3.	To rec	duce air pollution due to sm	oke,	are used in thermal
	power	piants.		
		eheaters iduced draft fans		superheaters
	(O) III	duced drait lans	(D)	Electrostatic precipitators
000	04444			
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Match Col. X (Instrument) with Col. Y (Use) 24. Col. Y Col. X Measures Current Р Transformer Insulation Resistance 2. Q Rectifier Steps down Voltage 3. R Ammeter Converts AC input to Unipolar S Megger meter output (B) P-3, Q-1, R-4, S-2 (A) P-3, Q-4, R-1, S-2 (D) P-3, Q-1, R-2, S-4 (C) P-4, Q-3, R-2, S-1 FET is a device which has 25. (A) high input impedance and is current controlled (B) low input impedance and is voltage controlled (C) high input impedance and is voltage controlled (D) low input impedance and is current controlled Which gate corresponds to the action of parallel switches? 26. (B) OR gate (A) AND gate (D) NOR gate (C) NAND gate Which of the following contributes to harmonics distortion in amplifiers? 27. (A) Non-linearity in active device (B) defective device (D) positive feedback (C) presence of noise Select the Statement which is NOT correct. 28. (A) The magnetic amplifier is device for amplifying electrical signals (B) A transistor is composed of semiconductor material (C) p-n diode is based upon p-n junction (D) Potentiometer controls audio signals The main advantage of a bridge rectifier over full wave rectifier with centre 29. tapped transformer is (A) less ripple (B) No transformer is needed (C) peak inverse voltage of each diode is half (D) PIV of each diode is double Wheatstone bridge is used to measure 30. (A) low values of current and high values of current (B) high values of current (C) Low value of voltages (D) resistance values

31.	When	donor	type	impurity	is added	to a	a semi-conductor	material
-----	------	-------	------	----------	----------	------	------------------	----------

- (A) electrons are generated and material is N-type
- (B) electrons are generated and material is P- type
- (C) holes are generated and material is called P-type
- (D) holes are generated and material is called N-type

32. To increase bandwidth, the distributed amplifier utilizes

- (A) common base configuration
- (B) Transmission line

(C) tuned Circuit

(D) Cascade amplifier

33. A p-n junction diode's dynamic conductance is directly proportional to

- (A) the applied voltage
- (B) the temperature

(C) its current

(D) the thermal voltage

34. King closers are related to

- (A) doors and windows
- (B) King post truss
- (C) Queen Post truss
- (D) Brick Masonry

35. Seasoning of timber is required to

- (A) Soften the timber
- (B) Harden the timber
- (C) Straighten the timber
- (D) Remove sap from the timber

36. Batching in concrete refers to

- (A) Controlling the total quantity of each batch
- (B) Weighing accurately, the quantity of each material for a job before mixing
- (C) Controlling the quantity of each material into each batch
- (D) Adjusting the water to be added in each batch according to the moisture content of the materials being mixed in the batch

37. Gypsum is used as an admixture in cement grouts for

- (A) accelerating the setting time
- (B) retarding the setting time
- (C) increasing the plasticity
- (D) reducing the grout shrinkage

38. The maximum defection of a fixed beam carrying a central load W is equal to (other notations standard)

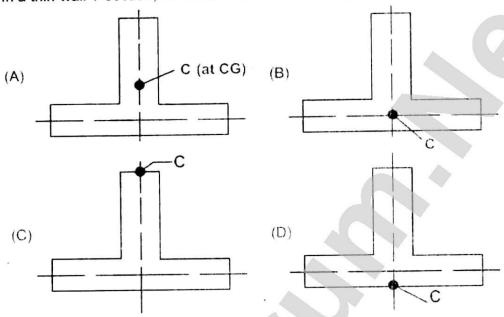
(A) $\frac{WL^3}{48EI}$

(B) $\frac{WL^3}{96FI}$

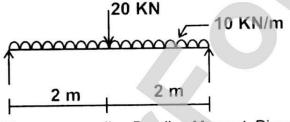
(C) $\frac{WL^3}{192El}$

(D) $\frac{5}{384} \frac{WL^3}{EI}$

39. In a thin-wall T-section, the shear centre C is located at the point shown in

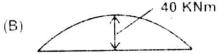


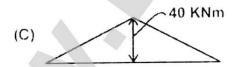
40. A simply supported beam is loaded as below

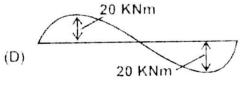


The corresponding Bending Moment Diagram is



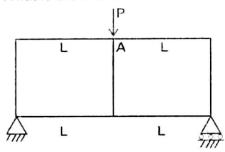






- 41. What is the radius of Mohr's circle in case of bi-axial state of stress?
 - (A) Half the sum of the two principal stresses
 - (B) Half the difference of the two principal stresses
 - (C) Difference of the two principal stresses
 - (D) Sum of the two principal stresses

42. What is the moment at A for a frame shown below :



Each vertical member has very large Moment of Inertia

(A) $\frac{PL}{2}$

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

(C) $\frac{PL}{8}$

(D) $\frac{PL}{16}$

43. A structure has two degree of indeterminacy. The number of plastic hinges that would be formed at complete collapse is

- (A) 0
- (B) 1
- (C) 2
- (D) 3

44. For laminar flow between parallel plates separated by a distance 2h, head loss varies

(A) directly as h

(B) inversely as h

(C) directly as h2

(D) Inversely as h3

45. In Surveying, Offsets are

- (A) lateral measurements made with respect to main survey line
- (B) perpendiculars erected from chain lines
- (C) taken to avoid unnecessary walking between stations
- (D) measurements which are not made at right angles to the chain line

46. The true length of a line is known to be 200 m. When this is measured with a 20 m tape, the length is 200.8 m. The correct length of the 20 m tape is

(A) 19.92 m

(B) 19.98 m

(C) 20.04 m

(D) 20.08 m

47. Shear failure of soils takes place when

- (A) the angle of obliquity is maximum
- (B) maximum cohesion is reached in cohesive soils
- (C) ϕ reaches its maximum value in cohesionless soils
- (D) residual strength of the soil is exhausted

TSG00	141	4	22	2004
	(0)	Decomposers	(5)	
	Whi (A) (C)	ch one of the following is NOT B Consumers Decomposers	iotic (B) (D)	
	(A) (C)	Gravitational settling Electrostatic precipitation	(B) (D)	Burning the particulate
	from	gas streams.		OT for removing particulate matter
7		lobal Warming, the major contrib Carbon emission Deforestation	outior (B) (D)	Agriculture
	(C) (D)	Maximum acid is due to strong Acid rain affects ecosystem	Carb	onic Acid
		eference to Acid rain, what is con The pH value is below 5.6 It occurs due to presence of atmosphere		statement. ohuric acid or nitric acid in the
9	(A)	ase of overdamping, the instrume Oscillating fast and sensitive	(B)	ill become dead slow and lethargic
1	have (A)	5	4	te responses, the meters should
		internal resistance of the milliam high accuracy high sensitivity minimum effect on the current i maximum voltage drop across t	n the	circuit
(der to increase the range of a vo a low resistance is connected in a low resistance is connected in a high resistance is connected a high resistance is connected	n para n seri in par	allel es rallel
(varia (A)	t is the process of utilizing one of ables known as ? Encoding Demultiplexing	data I (B) (D)	ink for transmission of a group of Decoding Multiplexing

	(P)	Col. X Water pollut	ion	1.	Col. Y Combustion	of fos	ssil fuel
		Air pollution		2.	Decaying of	orgar	nic matter
		Noise pollution		3. 4 .	Pesticides High decibe	1	
		P-2, Q-1, R-			P-1, Q-2, R-		
		P-3, Q-1, R-		7	P-1, Q-3, R-		
58.	Part	of the Comp	uter where da	ta and inst	ructions are I	neld is	
	(A)	Register Uni		(B)	Accumulato		
	(C)	Memory Uni	t	(D)	CPU		
59.		Computer, As		arame into	memory an	d pror	pares them for
	(A)	execution	iat places pro	grams mic	memory an	a biet	dates them to
	(B)	1000 mg (2000 h)		the transl	ation of asse	mbly	language into
		machine lan	guage nat accepts a p	orogram w	ritten in a hig	h leve	l language
	(-)		s an object pr				· ·aguage
	(D)	is a program machine lan	that appears guage	to execute	a source pro	ogram	if it were
60.	Whi	ch of the follo	wing is NOT a	register in	Computer ?		
	(A)	Accumulator		(B)	Stack Pointe		
	(C)	Program Co	unter	(D)	Buffer		
61.			rotocol is used				
	(A)	FTP	(B) SSH	(C)	POP 3	(D)	SMTP
62.			ne in Compute				
	(A) (B)		mory space for mory space for				
	(C)		eed of memor				
	(D)		ange of CPU				
63.						nes. If	it uses 10 bits
			e of its Memo		•		
	(A) (C)	22 bits 32 bits		(B) (D)	24 bits 14 bits		
	(0)	02 5.1.0		(5)	11010		
64.			or when a CP		upted, it		
	(A) (B)		tion of instruct es interrupt ar		s off subrout	ine	
	(C)		es interrupt ar				
	(D)	Acknowledge	es interrupt ar			tructio	n from the
		interrupting of	device				
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65.	The	MODEM	is	used	with	а	personal	computer	to	do	which	of	the
	follow	ving?											

- (A) Convert from serial to parallel and vice versa
- (B) Convert signals between TTL and RS232 C standard and vice versa
- (C) Convert from digital to analog signals and vice versa
- (D) To convert the computer to a long distance communication link
- 66. The term digitization refers to
 - (A) conversion of analogue into digital
 - (B) conversion of digital into analogue
 - (C) use of analogue form of electricity
 - (D) a form of changing physical quantities
- 67. Which is NOT a Wireless Technology.
 - (A) Blue Tooth

(B) A conventional telephone

(C) Wi-fi

- (D) Wi-Max
- 68. In an Engineering drawing, in double stroke Gothic lettering, which is correct.
 - (A) Letters are drawn thin
 - (B) The lettering template is used to draw the outline of letter
 - (C) This is not preferred for ink drawings
 - (D) This is having non-uniform line width
- Match Col. X (Category) and Col. Y (Recommended Scale) in reference to 69. an Engineering drawing.

	Col. X		Col. Y
Р	Enlarging Scale	1.	1:500
Q	Full Scale	2.	10:1
R	Reducing Scale	3.	1:1
		4.	1:20

- (A) P-4, Q-1, R-2, P-3 (C) P-1, Q-3, R-2, P-4
 - (B) P-2, Q-3, R-4, R-1
- (D) P-2, Q-1, R-4, Q-3
- If RF is 1/60000 and distance to be shown on drawing is 7.5 km, what is 70. the length of line on drawing?
 - (A) 12.5 cm (B) 8 cm
- (C) 45 cm
- (D) 10 cm
- 71. A parabola can be constructed on a drawing by the methods EXCEPT
 - (A) Eccentricity Method
- (B) Rectangle Method
- (C) Parallelogram Method
- (D) Asymptote Method
- 72. Which of the Statements is NOT correct.
 - (A) Isometric scale is used to draw isometric projection
 - (B) Isometric scale is not used to draw isometric view
 - (C) A square is seen as rectangle in isometric
 - (D) A rectangle is seen as parallelogram in isometric

A particle moves along a circular path with constant speed. What is the 73. nature of its acceleration?

(A) It is zero

- (B) It is Uniform
- (C) Its direction changes
- (D) Its magnitude changes

A body is at rest on the surface of the earth. Which of the following 74. Statements is correct?

- (A) No force is acting on the body
- (B) Only weight of the body acts on it
- (C) Net downward force is equal to net upward force
- (D) None of these is correct

75. The Specific Heat of the gas in an isothermal process is

(A) Zero

(B) Infinite

(C) Negative

(D) Remains constant

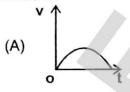
76. In a Simple Harmonic Oscillator, at the mean position

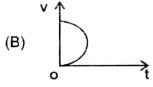
- (A) Kinetic Energy is minimum, Potential Energy is maximum
- (B) Both Kinetic and Potential Energies are maximum
- (C) Kinetic Energy is maximum, Potential Energy is minimum
- (D) Both Kinetic and Potential Energies are minimum

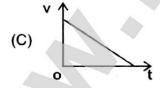
77. Mirage is a phenomenon due to

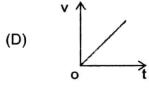
- (A) Reflection of light
- (B) Refraction of light
- (C) Total Internal reflection of light (D) Diffraction of light

78. Which of the following cannot be speed-time (v-t) graph of a body in motion?









79. Avogadro's number, N_A means

- (A) number of protons in nucleus of an atom
- (B) number of atoms in one gram atom of an element
- (C) sum of the number of protons and the neutrons in the nucleus of an
- (D) number of protons or electrons in one gram of Sodium

80.	(A) (B) (C)	Same number Same atomic Same number	er of protons	e	
81.	being	reaction bet g oxidised ? Zinc ions Zinc Atom	ween Zinc and	lodine, (B) (D)	Zinc lodide is formed. What is lodide ions lodine
82.	Whic (A)		wing halogens is (B) Cl ₂	the bes	st oxidising agent ? Br ₂ (D) I ₂
83.	(A) (B) (C)	is lighter that makes the be does not sup	o fill electric bulb n air ulb to give more port combustion	light _	use it
84.	the p	n floatation poractical appli Adsorption Coagulation		(B) (D)	ation of Ores is an illustration of Absorption Sedimentation
85.	(A)		ning	(B)	y earthworms is known as Vermicomposting Worm Casting
86.	The (A) (C)	most abunda Iron Nitrogen	nt element prese	ent in the (B) (D)	•
87.	(A)		about reaction time activation energy	(B) (D)	
88.	(A)	eys are not o Liver Large intesti		cretion, (B) (D)	their work is supplemented by Heart Skin
89.	No. of the last	longest cell ir Osteocytes Chromatoph	n the body of an a	animal i (B) (D)	is Neuron Lymph corpuscles
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97.	(B) the sky is overc (C) the air is colder	enses on cool surfa	ırface	
96.	The Oath of Office is (A) The Speaker of (C) The Vice-President	Lok Sabha (E	B) The Chief J	
95.	Which of the followin (A) Birth (C) Acquiring prope	(E		
94.	(C) with the approva	al of the President al of the Parliamen	t	ndia
93.	Match the following: P) C.R. Das Q) Vallabh Bhai Pa R) Abdul Ghaffar K S) Maulana Azad (A) P-2, Q-1, R-4, (C) P-4, Q-1, R-3,	ttel 2. (han 3. 4. S–3 (E	Khilafatist	lmatgar R–1, S–3
92.	The movement that incident was the (A) Wahabi Movem (C) Non-Cooperation	ent (B) Home Rule	
91.	Congress (B) attainment of Congress (C) Non-Cooperatio	m Movement beca elf-Government wa Poorna Swaraj w n Movement was I	use the as declared as vas adopted a aunched	f significance in the the objective of the is the goal of the ence in London was
90.	Vitamin needed for b (A) E (B) D (C) K	(D) C

98.	Cork	oett National Park is in					
	(A)	Bihar	(B)	Madhya Pradesh			
	(C)	Uttarakhand	(D)	Himachal Pradesh			
99.	Which crop requires water-logging for its cultivation?						
	(A)	Tea	(B)	Coffee			
	(C)	Rice	(D)	Mustard			
100.	One can open a Savings Account in India except in						
		A Nationalised Bank	(B)				
	(C)	a Private Bank	(D)	Reserve Bank of India			
101.	The	Term "Inside Trading" is related	to				
	(A)	Share Market	(B)	Horse racing			
	(C)	Taxation	(D)	Public expenditure			
102.	The	term MOM was in news in relation	on to				
	(A)	CAG report	(B)	Asian Games			
	(C)	Mangalyaan	(D)	Election Commission			
103.	Mer	deka Cup is associated with					
	(A)	International Table Tennis	(B)	Badminton			
	(C)	Hockey	(D)	International Football			
104.	Rec	ently, referendum for independe	nce w	as held in			
	(A)	Hongkong	(B)	Ireland			
	(C)	Scotland	(D)	Germany			
105.	Mate	ch Col. X (Sportsperson) and Co	l. Y (8	Sports):			
		Col. X		Col. Y			
	P.	Jitu Rai	1.	Badminton			
	Q.	Heena Sidhu	2.	Wrestling			
	R.	Jwala Gutta	3.	Shooting			
		Yogeshwar Dutt					
	1000	P-3, Q-3, R-1, S-2		P-2, Q-3, R-1, S-2			
	(C)	P-2, Q-2, R-1, S-3	(D)	P-3, Q-1, R-1, S-2			
106.			was	recently appointed as "Brand			
		passador" of Telengana?					
	(A)	2-33	` '	VVS Laxman			
	(C)	Saina Nehwal	(D)	Sania Mirza			
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	(C) 1 and 3 only	(D)	1, 2 and 3
	(A) 1 only	(B)	2 and 3 only
	Yakshagana : Karnataka Which of the pairs given above is	s/are con	rectly matched ?
	2. Mohiniattam : Odisha		
	Garba : Gujarat		
114.	Consider the following pairs :		
	(D) to provide free medical facil	ity to mir	nority people
	(C) to provide financial assistan		
	(A) to provide a bank account to(B) to provide a interest free loa		
	is?		
113.	Main objective of newly annou	unced "I	Pradhanmantri Jan-Dhan Yojna"
	(C) Cotton	(D)	Opium
	(A) Tobacco	(B)	Wheat
112.	"The "Helmand Province" of Afgh	anistan	is famous for cultivation of
	(D) The Games of Your Life		
	(C) Diversity Shines here		
	(B) We Cheer, We Share, We V	Vin	
	(A) Green, Clean and Friendshi	ip	
111.	The slogan of Asian Games Inch	neon 201	14 was
	(O) Oday Numai	(0)	VIIIIali Nollii
	(A) Neelam Bhattacharjee(C) Uday Kumar		Anant and Bhagyashree Virman Kohli
	"Swachch Bharat Abhiyan"	/D\	Apont and Phaguashrop
110.	0	design	ed the logo and slogan of the
	(C) USA	(D)	
	(A) England	(B)	South Africa
109.	Project" ?	ichea "(Gandhi Inspired Tourist Attraction
400	Miss County has a second later		Condbi langing Tourist Attaching
	(C) Folk Singer		Film Director
108.	BKS lyengar, who died recently, (A) Yoga Guru	was a w (B)	orld renowned Artist
	(C) Name of anti-terrorist opera(D) volcano in African Hills	tion in A	rab Country
	(B) name of Tsunami		
107.	EBOLA is a (A) virus disease confirmed in V	Nest Afri	ca
107.	EBOLA is a		

115.	Devdas and Parinita are Principal literary works by				
	(A) Rabindra Nath Tagore (B) Sarat Chandra Chatterjee (C) Satyajit Ray (D) Munshi Premchand				
116.	The capacity of two pots is 120 litres and 56 litres respectively. The capacity of a container which can exactly measure the contents of the two pots is (A) 7500 cc (B) 7850 cc (C) 8000 cc (D) 9500 cc				
117.	A sum of ₹312 was divided among 60 boys and some girls in such a way that each boy gets ₹3.60 and each girl ₹2.40. The number of girls is (A) 35 (B) 40 (C) 60 (D) 65				
118.	Some students planned a trip. The budget for food was ₹500. But, 5 of them failed to go and thus the cost of food for each member increased by ₹5. How many students attended the trip?				
	(A) 15 (B) 20 (C) 25 (D) 30				
119.	In a class, there are two sections A and B. If 10 students of section B shift over to section A, the strength of A becomes three times the strength of B. But, if 10 students shift over from A to B, both A and B are equal in strength. How many students are there in sections A and B? (A) 50 and 30 (B) 45 and 15 (C) 90 and 40 (D) 80 and 40				
120.	1250 articles were distributed among students of a class. Each student got twice as many articles as the number of students in that group. The number of students in the group was:				
	(A) 25 (C) 50 (B) 45 (D) 100				
121.	The average of marks of 28 students in Maths was 50. 8 students left the school and then the average increased by 5. What is the average of marks obtained by the students who left the school?				
	(A) 37.5 (B) 42.5 (C) 45 (D) 50.5				
	(C) 45 (D) 50.5				
122.	Six persons went to a hotel for meals. Five of them spent ₹32 each on their meals while the 6 th person spent ₹80 more than the average expenditure of all the six. Total money spent by all the persons is:				
	(A) ₹192 (B) ₹240 (C) ₹288 (D) ₹336				
	(5) (20				
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123.		sum of two				% of one numl	oer is	equal	to 8.5%
		1079	greate	i ilulibei is		1380			
	(C)				(D)	1250	· ·		
124.		40 years old neir ages 3 : (is 60 years	s old. H	low many yea	rs ago	was i	the ratio
		5 years		c	(B)	10 years			
	(C)	20 years			(D)	37 years			
125.	mad	le. The error 8.35%	e sides perce	of a rectan	igle, er culated (B) (D)	7.15%	d 3%	in exc	ess are
126.		frame is solution is to be so		60, there is	a loss	of 15%. For	a pro	ofit of	2%, the
	(A)	₹70	(B)	₹72	(C)	₹75	(D)	₹85	
127.		selling 100 ent is	pens,	a shopkee	per ga	nins price of	20 pe	ens, ⊢	lis gain
	(A)	25%	(B)	20%	(C)	15%		(D)	12%
	T 000					2			
128.	₹680 is divided among A,B,C such that A gets $\frac{2}{3}$ of what B gets and B gets								
	$\frac{1}{4}$ of	what C gets	. Then	their shares	s are re	espectively			
	(A)	₹75, ₹325, ₹	280		(B)	₹80, ₹120, ₹4	480		
	(C)	₹90, ₹210, ₹	380		(D)	₹100, ₹200,	₹380		
129.	X, Y	and Z start a	busii	ness. X inve	sts 3 ti	mes as much	as Y	invest	s and Y
	inve	sts $\frac{2}{3}$ rd of wh	at Z ir	vests. Then	the ra	tio of capitals	of X, `	Y, Z is	
	(A)	3:9:2			(B)	6:10:15			
	(C)	5:3:2			(D)	6:2:3			
130.	A m	an, a woma	n and	a boy can	togeth	er complete	a nied	ce of s	work in
-	A man, a woman and a boy can together complete a piece of work in 3 days. If a man alone can do it in 6 days and a boy alone in 18 days, how long will a woman take to complete the work?								
	(A)	9 days			(B)	21 days			
	(C)	24 days			(D)	27 days			
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	(0)	330 /0	(D)	400%
	(A) (C)	100% 300%	(B)	200%
137.		_		e increase in its volume is
			22 1725 1816 INNO	
	(C)	15200 m ²	(D)	15300 m ²
	(A)	15500 m ²	(B)	15400 m ²
136.		e square field is 12100 m		
	(C)	15%	(D)	20%
	(A)		(B)	10%
		5%		
135.		im of money amounts to of interest per annum on		rears and ₹10648 in 3 years. The
	(C)	30 years	(D)	40 years
	(A)	15 years	(B)	20 years
134.		ow many years, a sum w um ?	ill be thrice	of it at simple interest @10% per
	(C)	60 sec	(D)	64 sec
	(A)	50 sec	(B)	54 sec
133.		speed of a 150 m long tr s a 600 m long platform?		nph. How much time will it take to
		7 hrs.	(D)	12 hrs.
	(A)		(B)	
132.		trains approach each oth		/hr and 27 km/hr from two places
	(C)	16 hrs.	(D)	24 hrs.
	(A)	8 hrs.	(B)	10 hrs.
131.		p can fill a cistern in 8 no oth the taps are open, the		

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	(C) Cobalt		(D)	Aluminium	
	(A) Iron		(B)	Nickel	
145.	Select the odd or	ne out.	·		
	(C) Feasible		(D)	Useful	
	(A) Active	_	(B)	Hopeless	
	Vigilant : Alert : :	Viable : ?			
144.	Select the optionsimilar.	n such that rela	ation be	etween word:	s on either side is
	0 1 1 11 1 1 11				
	(C) Assign : Allo	ot	(D)	House : Hor	ne
	(A) Gradual : At	orupt	(B)	Sedate : Ca	lm
	Attack : Defend				g
143.	Select the option	that shows similar	ar relation	on as betwee	n given words.
	(C) DODDD	. 4	(D)	dudu	
	(A) aaaaa (C) bbbbb		(D)	ddddd	
		cabc_ac_ba	(B)	ccccc .	
	bcdbc_dcabd_b		mect of	Juon.	
142.	In given letter se that order in optic				which are given in
	(A) NIJ	(B) NIK	(C)	NJK	(D) OIK
	WFB, TGD, QHG	s, <u>?</u>			
141.	Select the option pattern.	n to replace ? ir	n given	alphabet sei	ries to continue the
	(A) 201	(B) 202	(C)	203	(D) 205
2	6, 13, 25, 51, 101	1, ?			
140.	Select the option continued.	to replace ? suc	ch that	pattern in giv	en number series is
	(C) 15.64 m		(D)		
	(A) 15 m	15 7.5 III away III	(B)	14.86 m	jui of the ladder is
139.					wall is 60° and the th of the ladder is
100.	(A) 15°	(B) 30°		75°	(D) 150°
138.	An angle is one-f	ifth of its supplen	nent. Th	e measure of	f the angle is

146.	D is taller than C and E. A is not as tall as B. Who among them is next to (A) A (C) B or D	tall as the t (B) (D)	allest one ?
147.	X walks 10 km towards North. From Then, he walks 3 km towards East with reference to his starting point? (A) 5 km West (C) 7 km East	. How (B)	e, he walks 6 km towards South. far and in which direction is he 5 km North-East 7 km West
	Directions: (Question No. 148 Correct option for given classes.	& Qı	uestion No. 149): Choose the
•	(A)		(B) (D)
	(C)		(D)
148.	Men, Women, Human Beings		
149.	Doctors, Lawyers, Professionals		•
150.	Select the option to replace? in Proplem Figure	oblem	Figure to continue the pattern.
			?
	Answer Figures		
	(A)	(B	
	(C)	(D)