Directions (Questions 1 - 10): Read the following passages and answer the questions that follow each passage.

Passage 1

Since the world has become industrialized, there has been an increase in the number of animal species that have either become extinct or are nearing extinction. Bengal tigers, for instance, which once roamed in the jungles in vast numbers, now number only 2,300 and by the year 2025 their population is estimated to go down to zero. What is alarming about the case of Bengal tiger is that this extinction would have been caused almost entirely by poachers who according to some sources, are not interested in material gain but in personal gratification. This is an example of the callousness that is part of what is causing the problem of extinction. Animals like the Bengal tiger, as well as other endangered species, are a valuable part of the world's ecosystem. International laws protecting these animals must be enacted to ensure their survival, and the survival of our planet. Countries around the world have begun to deal with this problem in various ways. Some countries, in order to circumvent the problem, have allocated large amounts of land to animal reserves. They then charge admission fee to help defray the costs of maintaining the parks and often must also depend on world organizations for support. When they get the money, they can invest in equipment and patrols to protect the animals. Another solution that is an attempt to stem the tide of animal extinction is an international boycott of products made from endangered species. This seems fairly effective, but it will not by itself prevent animals from being hunted and killed.

1.	Wh	nat is the author's main concern in the passag	e?			*
	(1)	Problems of industrialization	(2)	The Bengal tiger		
	(3)	Endangered species	(4)	Callousness of man		
2.	Ace	cording to the passage, poachers kill for				
	(1)	Material gain	(2)	Personal satisfaction		
	(3)	Both (1) and (2)	(4)	None of these		
3.	. Wh	nich of the following words is closest in meani	na t	o the word 'alarming'	2	40.0
	(1)	Serious (2) Dangerous	(3)		(4)	Frightening
4.	Ce	rtain species are becoming extinct because of				
	(1)	Industrialisation	(2)	Poaching		
	(3)	Love of products made from them	(4)	All of these		
5.	The	e phrase 'stem the tide' means				
	(1)	save (2) stop	(3)	touch	(1)	cnaro

(2) stop

Passage 2

(3) touch

spare

Globalisation, liberalisation and free market are some of the most significant modern trends in economy. Most economists in our country seem captivated by the spell of the free market. Consequently, nothing seems good or normal that does not accord with the requirements of the free market. A price that is determined by the seller or, for that matter, established by anyone other than the aggregate of consumers seems pernicious. Accordingly, it requires a major act of will to think of price-fixing as both normal and having a valuable economic function. In fact, price-fixing is normal in the industrialised societies because the industrial system itself provides, an effortless consequence of its own development, the price-fixing that it requires. Modern industrial planning requires and rewards great size. Hence, a comparatively small number of large firms will be competing for the same group of consumers. That each large firm will act with consideration of its own needs and thus avoid selling its products for more than what its competitors charge is commonly recognised by advocates of free-market economic theories. But each large firm will

also act with full consideration of the needs that it has in common with the other large firms competing for the same customers. Each large firm will thus avoid significant price-cutting, because price-cutting will be prejudicial to the common interest in a stable demand for products. Most economists do not see price-fixing when it occurs because they expect it to be brought about by a number of explicit agreements among large firms; it is not.

Moreover, some economists argue that allowing the free-market to operate without interference is the most efficient method of establishing prices in all cases, except for the economies of non-socialist countries. Most of these economies employ intentional price-fixing, usually in an overt fashion. Formal price-fixing by cartels and informal price-fixing by agreements covering the members of an industry are common. Were there something peculiarly efficient about the free market and inefficient about price-fixing, the countries that have avoided the first and used the second would have suffered drastically in their economic development. There is no indication that they have.

Socialist industry also works within a framework of controlled prices. In the early 1970s, the Soviet Union began to give firms and industries some flexibility in adjusting prices that a more informal evolution has accorded the capitalist system. Economists in the USA have hailed the change as a return to the free market. But the Soviet firms were not in favour of the prices established by a free market, over which they exercised little influence. Rather, Soviet firms acquired some power to fix prices.

- 6. The author's primary objective of writing the passage seems to
 - (1) belie the popular belief that the free-market helps enhance development of industrial societies
 - (2) advocate that price-fixing is un-avoidable and it is beneficial to the economy of, any industrialized society
 - (3) explain the methodology of fixing price to stabilize free-market
 - (4) prove that price-fixing and free-market are compatible and mutually beneficial to industrialised societies
- 7. Which of the following statements I, II and/or III is/are TRUE in the context of the information given in the passage?

The information in the passage is helpful to

- I. know some of the ways in which prices can be fixed.
- II. identify the products for which price-fixing can be more beneficial
- III. differentiate between the economies of various countries
- (1) Only I
- (2) Only II
- (3) Only III
- (4) Both I and II
- 8. Considering the literal meaning and connotations of the words used in the passage, the author's attitude towards "most economists" can best be described as
 - (1) derogatory and antagonistic
- (2) impartial and unbiased

(3) spiteful and envious

- (4) critical and condescending
- 9. The author feels that price fixed by seller seems pernicious because
 - (1) people don't have faith in large firms
 - (2) people don't want the Government to fix prices
 - (3) most economists believe that consumers should determine prices
 - (4) most economists believe that no one group should determine prices
- 10. Which of the following statements is definitely true in the context of the passage?
 - (1) a profitable result of economic development
 - (2) an inevitable result of the industrial system
 - (3) the joint result of a number of carefully organised decisions
 - (4) a phenomenon uncommon to industrialised societies

Directions (Questions 11-15): Choose the order of the sentences marked I, II, III and IV that forms a logical paragraph.

11. 1.	The	men	jumped	up	and	rushed	to	the	river.
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- II. They poured it on the glowing bed of charcoal.
- III. The water gurgled out and the dying embers hissed and sent up little curls of vapour.
- IV. They quickly came back with pitchers laden with water.
- (1) IV, I, II, III
- (2) II, I, IV, III
- (3) III, II, I, IV
- (4) I, IV, III, II

I also believe in the possibility as well as the desirability of applying science to problems arising in social science.

- II. Believing as I do in social science, I can only look with apprehension upon social pseudo-science.
- III. I am a rationalist, which means that I believe in discussion and argument.
- IV. I may say why I have chosen this particular subject.
- (1) III, IV, I, II
- (2) IV, III, I, II
- (3) II, III, I, IV
- (4) IV, II, I, III

The investigation was confined to manufacturing firms in the area.

- II. Those concerned with mining and quarrying, construction, transport, and trade and commerce, were excluded.
- III. The number of workers employed by the firms in the area ranged from a dozen to approximately 35,000.
- IV. A long search produced a comprehensive list of 203 manufacturing firms.
- (1) I, II, IV, III
- (2) II, III, IV, I
- (3) IV, III, II, I
- (4) III, II, IV, I

14. I. But I found that it is almost foolproof.

- II. Most people respond to the question. "Are there people that you really just don't talk to?" It's a strange topic of conversation.
- III. The basic structure of a conversation with a boring person is that you have to entertain yourself.
- IV. They're not going to do it.
- (1) II, IV, I, III
- (2) IV, I, II, III
- (3) III, IV, I, II
- (4) III, IV, II, I

15. I. We all know that exercise is good for you.

- II. Staying physically active helps keep your heart healthy and your muscles strong, and in cancer patients it has even been shown toward off relapse.
- III. Now a series of independently conducted studies on the effects of exercise in healthy older adults, published on Monday in the Archives of Internal Medicine, confirms that.
- IV. Logging time at the gym not only helps maintain good health but may even prevent the onset of chronic diseases, such as heart disease, osteoarthritis and dementia.
- (1) I, II, III, IV
- (2) IV, I, II, III
- (3) III, IV, I, II
- (4) III, IV, II, I

Directions (Questions 16–20): The sentences given below have none, one or more errors The errors can be of any type: they can be one of spelling or grammar or incorrect usage of words etc. Count the number of errors. If the sentence has:

only one error, mark - (1)
only two errors, mark - (2)
more than two errors, mark - (3)
and No errors, mark - (4)

- 16. Dear Jolly, weaving this opportunities, I send my love to you and Paul.
- 17. Theirs been a lot of smog in this year and we can expect a worse winter next year.
- 18. Ones warned to ones language when ones angry.
- 19. The arrogant fellow, sitting at the backside of the taxi, rudely ordered the driver to turn to the side.
- 20. After his father's death, Gaurav had to finally address himself to business of earning his own living.

Directions (Questions 21-25): In each of the following sentences, choose the word opposite in meaning to the underlined word to fill in the blanks.

(1) clarity (2) perversity (3) rationality (4) certainty

(1) dissect (2) differentiate (3) disjoin (4) exclude

Directions (Questions 26-30) For the word given at the top of each table, match the dictionary definitions on the left (A,B,C,D) with their corresponding usage on the right (E, F, G, H). Out of the four possibilities given below the table, select the one that has all the definitions and their usages correctly matched.

26. Blow

	Dictionary definition		Usage
A.	To treat with unusual expenditure	E.	He blew off the gasket
В.	To rupture by too much pressure	F.	I'll blow you to a steak
C.	To foul up hopelessly	G.	She blew the town
D.	To leave hurriedly	H.	He blew his chances of success

(1) A-G, B-F, C-H, D-E

(2) A-F, B-E, C-H, D-G

(3) A-F, B-H, C-E, D-G

(4) A-F, B-G, C-H, D-G

27. Put

	Dictionary definition	Usage				
Α.	To throw with an overhand pushing motion	E.	The king put the traitors to death			
В.	To cause to endure or suffer something	F.	Can you put the shot			
C.	To translate into another language or style	Ġ.	He's likely to put the poem into English			
	To adapt	-	It's unlikely that the lyrics be put to music			

- (1) A-F, B-E, C-G, D-H
 - (3) A-F, B-G, C-E, D-H

- (2) A-F, B-E, C-H, D-G
- (4) A-E, B-G, C-F, D-E

28. Hand

	Dictionary definition	1	Usage
A.	Style of execution	E.	He wrote in a fancy hand
В.	A person employed at manual labour or general tasks	F.	Who had a hand in the victory?
C.	An instrumental part	G.	What a ranch hand !
D.	Style of penmanship	H.	That's the hand of a master

- (1) A-E, B-F, C-G, D-H
- (3) A-H, B-G, C-F, D-E
- (2) A-E, B-H, C-F, D-G
- (4) A-G, B-H, C-F, D-E

29. Kick

	Dictionary definition		Usage
Α.	To heap reproaches upon (oneself)	E.	He is feeling that this relocation is nothing but a kick upstairs
В.	To function with vitality and energy	F.	He kicked up his heels once the results were out
C.	To show sudden delight	G.	Don't worry, he is alive and kicking
D.	To promote to a higher but less desirable position	Н.	They kicked themselves for not going.

- (1) A-H, B-G, C-E, D-F
- (3) A-H, B-F, C-G, D-É

- (2) A-H, B-G, C-F, D-E
- (4) A-F, B-H, C-G, D-E

30. Happen

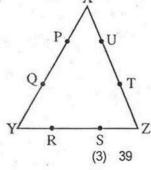
	Dictionary definition	Usage			
Α.	To come especially by way of injury or harm	E.	Accept it, mistakes will happen		
В.	To come into being or occur as an event, process, or result	F.	It happened upon a system that worked		
C.	To meet or discover something by chance	G.	I promise nothing will happen to you		
D.	To occur by chance	Н.	If so happens I'm going your way		
	7		1		

- (1) A-G, B-E, C-F, D-H
- (3) A-E, B-G, C-H, D-F

- (2) A-E, B-G, C-F, D-H
- (4) A-G, B-E, C-H, D-F

31.	In how many ways calternately?	an 6 prof	fessors and 5 eng	gineers	be seated in a	a row so th	nat they are p	positioned
	(1) 7732	(2)	1177	(3)	8640	(4)	9524	
32.	Find the total number of them may be hois	ted at a	time.		A			y number
	(1) 125	(2)	225	(3)	325	(4)	425	
33.	A and B play a game both of them win a p							ers match,
	(1) 16/15	(2)	15/16	(3)	11/13	(4)	3/16	
34.	A speaks truth in 75 contradict each other				ses. In what pe	ercent of c	ases are the	y likely to.
	(1) 44%	(2)	56%	(3)	32%	(4)	35%	9 9
35.	Find the numbers betwie, exactly divisible.	ween 200	and 300 such tha	t when	they are divide	d by 6, 8 or	9 leaves no r	emainder,
	(1) 216, 288	(2)	215, 290	(3)	124, 258	(4)	88, 259	
36.	Which one of the foll	owing fra	actions is less tha	n 1/3	?			
	(1) 22/63		4/11		15/46	(4)	33/98	
37.	Groundnut oil is now how much % a famil							g. Find by
	1				1			
*	(1) $11\frac{1}{9}\%$	(2)	22%	(3)	$11\frac{1}{5}\%$	(4)	None of the	se
38.	A reduction of ₹ 2 per of sugar.	er kg ena	bles a man to pur	chase	4 kg more suga	ar for ₹ 16	. Find the ori	ginal price
	(1) ₹ 8 / kg	(2)	₹ 6 / kg	(3)	₹ 7 / kg	(4)	₹ 4 / kg	
39.	The average weight o weight rises by 500 g	f 29 stud	ents in a class is 4	8 kg. If	the weight of th	e teacher	is included, th	e average
	(1) 23 kg		63 kg		88kg	(4)	None of the	se
40.	The sum of the present What is the present			ears.	Six years ago, th	neir ages w	ere in the rati	0 1 : 2 : 3.
	(1) 41 years	(2)	42 years	(3)	23 years	(4)	53 years	
41.	Divide 62 into two pratio 2:3.	arts such	that fourth part	of the	first and two-fi	fth part of	the second	are in the
	(1) 31, 31	(2)	40, 22	(3)	32, 30	(4)	28, 34	
42.	Two equal glasses fill- were emptied into a							
	(1) 7:9	(2)	7:4	(3)	7:5	(4)	5:7	
43.	Ten men begin to work could have been come of the work did the 4	pleted in	40 days is comple					
	(1) 20 days	(2)	22 days	(3)	25 days	(4)	30 days	
-descriptions								

44.	Four Lorries carrying 4 t 3 tons each move 540 to		ns in 8 days. In how ma	any days will 6 Lorries carrying
	(1) 30 days	(2) 28 days	(3) 40 days	(4) None of these
45.	The cost price of 25 arti			
	(1) 25%	(2) 20%	(3) 15%	(4) 12%
46.			of ₹ 4,200 due in 5 yea	ars at 10% simple interest?
	(1) ₹ 700 pa	(2) ₹ 650 pa	(3) ₹ 545 pa	(4) None of these
47.	The income of A and B what is the income of A'		nd expenses are in the	ratio 5 : 3. If both save ₹200,
	(1) ₹1,100	(2) ₹1,240	(3) ₹1,200	(4) ₹800
48.	The share of A in a partre while capital of B for 12 is the capital of A?	nership is ₹1,000 more months. If the share of	than that of B, but capit f A of the yearly profits	al of A is invested for 8 months is the same as that of B, what
	(1) ₹9,000	(2) ₹4,500	(3) ₹2,800	(4) ₹3,000
49.	he may, on selling the n			salt at 24 paise per kg so that tlay?
	(1) 20kg	(2) 25kg	(3) 32kg	(4) None of these
50.	men join them?		for 12 days. How long wi	Il the provisions last if 200 more
	(1) 8 days	(2) 12 days	(3) 10 days	(4) 15 days
51.	If 12 men can build a wa will 20 men build a wall			k in 25 days, in how many days
	(1) 8 days	(2) 6 days	(3) 9 days	(4) 4 days
52.				answers, and no two students ber of students in the class, for
0 32 1	(1) 62	(2) 63	(3) 26	(4) 12
53.	Consider all triangles that triangles are possible su		뭐래요 뭐 그가 보고 말했다. 얼마나 아이는 얼마나 뭐라고 있다면 뭐요? 아이라였다.	P, Q, R, S, T and U). How many Δ the sides of Δ XYZ?



(1) 24

(2) 36

(4) None of these

- If $A_n = \{x : x \text{ is a multiple of n and } n \in \mathbb{N}\}$, then which of the following is correct?
 - (1) $A_5 \subseteq A_7$

(2) $A_5 \subseteq A_{35}$

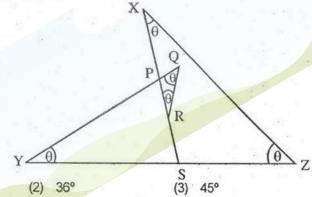
(3) $A_5 \cup A_7 = A_{35}$

- (4) $A_5 \cap A_7 = A_{35}$
- A vessel is in the form of an inverted cone. Its height is 4 cm and the radius of its top which is open is 10 cm. It is filled with water upto the brim. When the spheres of radius 0.5 cm are dropped intot the vessel, 1/4th of water flows out. Find the number of spheres dropped in the vessel.
- (2) 150
- (3) 200
- (4) 250
- If $x = \frac{1}{7}$ and $y = -\frac{7}{2}$, then which of the following is true?
 - (1) $(x+y)^2 < \frac{1}{7}$ (2) $(x-y)^2 > \frac{1}{7}$ (3) $xy = \frac{1}{2}$

- 57. What is the geometric mean of (n +1) terms of the sequence 1, 4, 16, 64, 256?

(3) $4^{\frac{n(n+2)}{n+1}}$

- (4) 4^{n/2}
- Find angle Q in the given figure 58.



(1) 30°

- Two cars start simultaneously from cities X and Y, towards Y and X respectively, on the same route. Once the two cars reach their destinations they turn around and move towards the other city without any loss of time. The two cars continue shuttling in this manner for exactly 20 hours. If the speed of the car starting from X is 60 km/h and the speed of the car starting from Y is 40 km/h and the distance between the two cities is 120 km, find the number of times the two cars cross each other.
 - (1) 12

- (4) 20
- A square whose side is 8m has its corners cut away so as to form an octagon with all sides equal and 60. all angles equal. Then the length of each side of the octagon in metres is
 - (1) $\frac{4\sqrt{2}}{\sqrt{2}-1}$
- (2) $\frac{4\sqrt{2}}{\sqrt{2}+1}$
- (4) $\frac{8}{\sqrt{2}-1}$

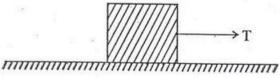
61.	f(x) =	$\sqrt{x+1}$	g(x) =	$x^2 + x +$	3, h(:	x) = g(f)	(x)).	what is I	h (8)/g(8)=?	?		
	3 ()		76()			, 60	(//					
	(1) $\frac{1}{5}$			(2)	3		(2)	3		(4)	Dath (1) and (2)
	(1) 5			(2)	5		(3)	$\frac{3}{25}$		(4)	Both (1) and (3)
	500		100							W.		
62.	Three r	inners	A R and	C cross	the sa	me noint t	togethe	er all nu	nning at the	same	speed in straig	ht lines
02.											. if a triangle i	
				-		•			gle will it b		. Il a thangle i	o di di di
			l triangle	us unc	o vortic	oco, while			ngled triang			
	(3) Iso						(4)	None of		,,,,		
	(0) 100	000100	tridingio				(' '	110110				
63.	Santa d	istribut	es 100 a	ifts in the	e 1st h	our on Ch	nristma	s. His et	fficiency de	creases	by 20% in 2	nd hour,
											% in 5th hour.	
											the number of	
			aximum					i				
	(1) 3 h	1'		(2)	4 h		(3)	5 h		(4)	Cannot be det	ermined
Direc	ctions (C	Questi	ons 64-6	5) : Rea	ad the	informat	ion be	low and	answer t	he que	stions that fo	llow:
											Employees a	
							e day	of the we	eek is the s	same as	the first letter	r of their
	names.	All en	nployees	work at	the sa	me rate.						
	4.1										2000 11	1.6
64.											2008. How mi	uch time
			nd Jack ta								as Romeo ?	40
	(1) 4	days		(2)	4.5 day	ys	(3)	3.5 day	/S	(4)	Insufficient da	ild.
CE	Ctarting		bruon, 25	2000	Domos	had finia	had his	ioh on	April 2 200	Q Mho	n would Tom	and Sam
65.									s Romeo ?		en would Tom a	and Jane
				o, nau u	ley Sta	inted on ti			17, 2008			
	(1) Ma				1				25, 2008			
	(3) Ma	al CII ZZ	, 2000				(4)	Maich	25, 2000			
66.	A spira	l ic mo	do un of	13 511000	ecive s	comicirclo	e with	centre	alternately	at A and	B, starting wi	th centre
00.											2.0 cm and so	
			f the spir		uius u	eveloped,	arc o.	o om, m	0 0111, 1.0 0	iii aiia	2.0 0111 0110 00	
	(1) 14	-	the spin		143 cn	n	(3)	174 cm	n	(4)	None of thes	e
	(1)	4 CIII		(2)	140 011		(0)	174 011		(.)	110110 01 4100	
67.	The me	ean sal	ary in !CN	Altd wa	s ₹150	0 and the	stand	ard devia	ation was ₹4	100. A v	ear later each	employee
•											e mentioned ra	
						iation of t						
	(1) 46		2070. 111	(2)		idilott of t		580		(4)	None of thes	e
	(1)			(-)	100		(0)			,		
68.	3001 >	749	÷ 1001 –	1399 =	?							
	(1) 65				700		(3)	950		(4)	850	
	(.)			(-)	. 00		(5)			/	, seator	
											- 2	
69.	√264	2 - 1	1156 +	√459	= ?							
	(1) 50)	11.	(2)	90		(3)	40		(4)	20	

10

29/ C/2K11/05

70.	DSBO company pro	oduces Z u	nits of out	out at a total	cost of ₹	R, where R	=-	$\frac{1}{2}Z^3 - 5Z^2 + 10Z + 5$.
	At what level of out (1) 20		average v	variable cost			10	None of these
71.	If H ₁ , H ₂ , H ₃ , H _r	n, are <i>n</i> Har	monic mea	ans between	'a and 'b'	(≠ a), then	valu	e of $\frac{H_1 + a}{H_1 - a} + \frac{H_n + b}{H_n - b}$
	is equal to							
	(1) n + 1	(2)	2n	(3)	2n + 3		(4)	n – 1
72.	If $^{n+2}C_8$: $^{n-2}P_4 = 57$	7 : 16, ther	n is equa	al to				
	(1) 20	(2)			15		(4)	None of these
73.	If three positive real	I numbers a	a, b and c	(c > a) are ir	Harmon	nic Progressio	on, th	nen log (a + c) + log (a
	-2b + c) is equal (1) 2 log $(c - b)$	to		. (0)				
	(3) $2 \log (c - b)$				2 log (a	l - c) $log b + log$	0	
							C	
74.	Sum of the series			+ 20012	- 2002 ²	+ 2003 ² is		
	(1) 2007006	(2)	1005004	(3)	200506		(4)	None of these
75.	The number of ways	s in which a	mixed do the same	uble tennis g	ame can	be arranged	amo	ngst 9 married couples
	(1) 1514		1512		3024		(4)	None of these
76.	The interior angles of	of a polygor	are in Ari	thmetic Progr	ession. If	f the smallest	ang	le is 120° and common
	difference is 5°, the (1) 7	101	8	the polygon (3)			(4)	None of those
	1.7	(2)		(3)	9		(4)	None of these
77.	A ladder 25 m long in the foot be drawn distance if the foot	out so tha	t the top o	Il with its foot of the ladder	7m away may com	from the foo ne down by h	t of th	ne wall. How far should ne distance of the total
	(1) 6 m	(2)	8 m	(3)	8.75 m		(4)	None of these
78.	If one root of the e	quation ax	+bx+c	= 0 is doubl	e of the	other, then 2	2b ² is	s equal to
	(1) 9 ca	(2)	$c\sqrt{2}a$	(3)	$2\sqrt{3}ac$		(4)	None of these
79.	A boat goes 30 km 55 km down stream	upstream m. The spe	and 44 km eed of the	n downstream	n in 10h. water is	In 13 h, it c	an g	o 40 km upstream and
	(1) 3 km/h		4 km/h		8 km/h		(4)	None of these
80.	A note has to be a	rected on the	no hound-	ny of a size i	or rad	e diameter d	2 -	la accele a communication
00.	difference of its dist	ances from	two diam	etrically oppo	ar park o	nates A and	3 m	in such a way that the n the boundary is 7 m.
	The distance of the	pole from	one of the	gate is	one maec	gates A and		an are boundary is 7 iii.
	(1) 8 m		8.25 m		5 m		(4)	None of these

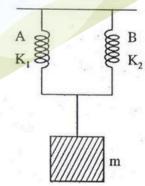
- The kinetic energy k of a particle moving along a circle of radius R depends on the distance covered is as k = as2. The force acting on the particle is
- (3) $2as\left(1+\frac{s^2}{R^2}\right)^{1/2}$ (4) $2a\frac{s^2}{R}$
- In the figure shown, a block of weight 10N resting on a horizontal surface ? The coefficient of static 82. friction between the block and the surface μ_s =0.4. A force of 3.5 N will keep the block in uniform motion, once it has been set in motion. A horizontal force of 3 N is applied to the block, then the block will



- (1) First it will move with a constant velocity for some time and then will have accelerated motion.
- (2) Will not move
- (3) Move having accelerated motion over the surface
- (4) Move over the surface with constant velocity.
- 83. A body of mass M at rest explodes into three pieces, two of which of mass M/4 each are thrown off in perpendicular directions with velocities of 3 m/s and 4 m/s respectively. The third piece will be thrown off with a velocity of
 - (1) 3.0 m/s
- (2) 2.5 m/s
- (3) 2.0 m/s
- 84. If a gas is heated at constant pressure, its isothermal compressibility
 - (1) Decreases linearly with temperature
- (2) Decreases inversely with temperature

(3) Remains constant

- (4) Increases linearly with temperature
- A mass m is suspended by means of two coiled spring which have the same length in unstretched 85. condition as in figure. Their force constant are K₁ and K₂ respectively. When set into vertical vibrations, the period will be



- Light from sodium lamp is passed through sodium vapours, the spectrum of transmitted light consists of 86.
 - (1) Sodium doublet lines

(2) A line at 5890 Å

(3) A line at 5896 Å

- (4) No spectral features
- 87. A bar magnet has a magnetic moment equal to 5 × 10⁻⁵ weber × m. It is suspended in a magnetic field which has a magnetic induction (B) equal to $3\pi \times 10^{-4}$ tesla. The magnet vibrates with a period of vibration equal to 15 sec. The moment of inertia of the magnet is
 - (1) 0.57 kgm²

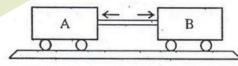
(2) 5.62 kgm²

(3) 11.25 kgm²

- (4) 22.5 kgm²
- 88. A charge particle is free to move in an electric field. It will travel
 - (1) Along a line of force, if tit has some initial velocity is the direction of an acute angle with the line of force
 - (2) Always along a line of force
 - (3) Along a line of force, if its initial velocity is zero
 - (4) None of the above
- 89. The truth table belongs to

Α	В	Y
1	0	1
1	1	0 .
0	1	1
0	Ó	- 1

- (1) NAND
- (2) NOR
- (3) NOT
- (4) AND
- The electrostatic force at the center of equilateral triangle of each side L is 90.
 - (1) zero
- (2) $\frac{1}{4\pi\epsilon_0} \frac{q^2}{L^2}$ (3) $\frac{1}{4\pi\epsilon_0} \frac{3q^2}{L^2}$ (4) $\frac{1}{12\pi\epsilon_0} \frac{q^2}{L^2}$
- 91. Two carts of masses 200 kg and 300 kg on horizontal rails are pushed apart. Suppose the coefficient of friction between the carts and the rails are same. If the 200 kg cart travel a distance of 36m and stops, then the distance travelled by the earth weighing 300 kg is



- (1) 32m
- (2) 12 m
- (3) 24m
- (4) 16 m

- 92. Dimensions of charge are
 - (1) M⁰L⁰T⁻¹A⁻¹
- (2) MLTA-1 .
- (3) T-1A
- When a negative charge is taken at a height from earth's surface, then its potential energy
 - Increases

(2) Decreases

Remains unchanged

(4) Will become infinity

- 94. Which of the following quantities has the same dimensions as that of energy ?
 - (1) Work
- (2) Momentum
- (3) Force
- (4) Power

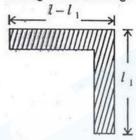
- 95. Dimensional formula of magnetic flux is
 - (1) M⁰L⁻²T⁻²I³
- (2) ML2T-213
- (3) ML⁰T-2|-2
- (4) ML2T-21-1
- 96. A body is thrown vertically upwards. If air resistance is to be taken into account, then the time during which the body rises is
 - (1) Greater than the time of fall
- (2) Twice the time of fall

(3) Equal to the time of fall

- (4) Less than the time of fall
- 97. A ball is thrown upwards and it returns to ground describing a parabolic path. Which of the following remains constant?
 - (1) Vertical component of velocity
- (2) Horizontal component of velocity

(3) Speed of the ball

- (4) Kinetic energy of the ball.
- 98. A uniform rope of length / lies on a table. If the coefficient of friction is μ, then the maximum length l_q of the part of this rope which can overhang from the edge of the table without sliding down is



- (1) $\frac{l}{\mu+1}$
- (2) $\frac{\mu l}{\mu 1}$
- (3) $\frac{l}{\mu}$
- $(4) \quad \frac{\mu l}{\mu + 1}$

- 99. The energy of a photon of wavelength λ is given by
 - (1) ch λ
- (2) hλ
- (3) hc/λ
- (4) h/λ
- 100. The minimum energy required to remove an electron is called
 - (1) Kinetic energy

(2) Stopping potential

(3) Work function

- (4) None of these
- 101. In an elastic collision of two particles which one the following is conserved ?
 - (1) Total kinetic energy of both the particles
- (2) Speed of each particle
- (3) Momentum of each particle
- (4) Kinetic energy of each particle
- 102. The electric intensity E, current density j and specific resistance k are related to each other by which relation?
 - (1) k = jE
- (2) E = k/j
- (3) E = jk
- (4) E = j/k
- 103. Forty electric bulbs are connected in series across a 220V supply. After one bulb is fused, the remaining 39 are connected again in series across the same supply. The illumination will be
 - (1) More with 39 bulbs than with 40
- (2) More with 40 bulbs than with 39

(3) Equal in both the cases

(4) In the ratio of 49²: 39²

104.	The Avogadro's number is 6 number is	× 10 ²³ pe	r gm mole	and e	electronic	charge i	s 1.6 ×	10 ⁻¹² C.	The Farada	ay's
	number is						2 -			

$$(1) \quad \frac{1.6 \times 10^{-19}}{6 \times 10^{23}}$$

(2)
$$\frac{1}{6 \times 10^{23} \times 1.6 \times 10^{-19}}$$

(3)
$$6 \times 10^{23} \times 1.6 \times 10^{-19}$$

$$(4) \quad \frac{6 \times 10^{23}}{1.6 \times 10^{-19}}$$

105. The magnetic induction at a point P which is distance 4 cm from a long current carrying wire is 10⁻⁸ tesla. The field of induction at a distance 12 cm from the same current would be

106. Inductance L can be dimensionally represented as

107. A stone dropped from the top of the tower touches the ground in 4 sec. The height of the tower is

108. A tachometer is a device to measure

(1) Surface tension

(2) Tension in a spring

(3) Gravitational pull

(4) Speed of rotation

109. A disc is of mass M and radius r. The moment of inertia of it about an axis tangential to its edge and in plane of the disc is

$$(1) \frac{Mr^2}{2}$$

(2)
$$\frac{3}{2} Mr^2$$
 (3) $\frac{Mr^2}{4}$

(3)
$$\frac{Mr^2}{4}$$

(4)
$$\frac{5}{4}Mr^2$$

110. Two Identical wires of rubber and iron are stretched by the same weight, then the number of atoms in the iron wire will be

- (1) More than that of the rubber
- (2) Equal to that of rubber
- (3) Less than that of the rubber
- (4) None of the above

111. The work done in blowing a soap bubble of radius r of the solution of surface tension T will be

(1)
$$\frac{4}{3}\pi r^3 T$$

(2)
$$4\pi r^2 T$$
 (3) $2\pi r^2 T$

(3)
$$2\pi r^2 T$$

(4)
$$8\pi r^2 T$$

In adiabatic expansion

(1)
$$\Delta W = Zero$$

(2)
$$\Delta U = positive$$

(3)
$$\wedge$$
 U = negative

(4)
$$\Lambda U = 0$$

113. Inside a hollow spherical conductor, the potential

- (1) Varies inversely as the square of the distance from the centre
- (2) Varies inversely as the distance from the centre
- (3) Varies directly as the distance from the centre
- (4) Is constant

114.	The distance between the two charges e between them is	ach of 1 co	oulombs are at a dis	stance 1 km apart,	the force
	(1) 10 ⁴ newton	(2)	1.1 × 10 ⁻⁴ newton		
	(3) 9×10^{-3} newton	(4)	9 × 10 ³ newton		
115.	Can a metal be used as a medium for die	electric ?			
	(1) No	(2)	Yes		
	(3) Depends on its shape	(4)	Depends on dielect	tric	
116.	The moment of momentum is called			-8	
	(1) Torque	(2)	Couple		
	(3) Angular momentum	(4)	Impulse		
117.		aded with a	mass 'm'. The sprin	ng is cut into two e	qual parts
	and one of these is loaded again with the	same mas	s. The new spring of	constant is	
	(1) K ² (2) 2K	(3)	K/2	(4) K	
118.	A man with defective eyes cannot see disti	inctly object	at the distance mo	re than 60 cm from	his eyes.
	The power of the lens to be used will be				
	1 2		25 1 1 1 1		
	(1) $\frac{1}{1.66}$ D (2) -1.66 D	(3)	-60 D	(4) + 60 D	
119.	In the Bohr's hydrogen atom model, the principle quantum number)	radius of th	e stationary orbit is	directly proportion	al to (n =
	(1) n ² (2) n ⁻²	(3)	n ⁻¹	(4) n	
120.	Which of the following pair does not have	the identica	al dimensions ?		1.0
	(1) Impulse and Momentum	(2)	Angular momentum	n and Planck's con	stant
	(3) Work and Torque	(4)	Moment of inertia a	and Moment of force	e
121.	In ₈₈ Ra ²²⁶ nucleus, there are				
	(1) 226 neutrons and 138 electrons	(2)	226 protons and 88	8 electrons	
	(3) 138 neutrons and 88 protons	(4)	138 protons and 88		
122.	At which temperature the fahrenheit and co	entigrade s	cales are equal ?		
	(1) 80 (2) -40	100	37	(4) 40	algaria
123.	Thermocouple thermometer is based on				
	(1) Compton effect	(2)	photoelectric effect		
	(3) Seebeck effect	(4)	Peltzier effect		
124.	A particle of mass m is projected with veloci	tv v making	an angle of 45° with	the horizontal. The	magnitude
	of the angular momentum of the particle ab height is (where g = acceleration due to g	out the poin			
	(1) $mv^3 / (\sqrt{2g})$ (2) $mv^2 / 2g$		$mv^3 I(4\sqrt{2}g)$	(4) Zero	
		()	/(.128)		

125.	(1)	Normal to the Along the ta	ne plane d	of rota	tion		(2)	Along the rac None of the a	dius of th			r cae	
126.	(1) (2) (3)	ds expand on The P.E. cut Total energy Potential er Kinetic ene	rve is asy of the a nergy of the	mmet toms i ne ator	ric about the ncreases ms increase	es	briun	n distance be	etween n	eighb	oouring at	oms	
127.								. The vessels					
		e ice melts ratio	in two ve	ssels	in time t ₁ a	and t_2	respe	ectively, then	their th	erma	conduct	vities a	are in
	(1)	$t_1^2:t_2^2$		(2) 1	$t_2^2:t_1^2$		(3)	$t_1:t_2$		(4)	$t_2:t_1$		
128.	Blue	colour of s	ea water	is due	e to								
	(1)	Large depti	of sea w	vater									
		Sea water							100				
		Bottom of		е	×								
	(4)	Reflection	of light an	d scat	tering of lig	t from	wat	er particles.					
129.	(1)	The image The image The image image	is formed is formed	d in from	ont of the rain of the retination of the ret	etina ar a and a ain and	nd a dive a div	far sighted per converging leading lens provergent corre- erging lens proverging lens p	ens produced a ctive lens	a sha s will	rp retinal lead to sh	image arp po	tential
130.	In a	P-N junct	on diode			17							
				curren	t is very sm	nall com	paris	son to reverse	e biased	curre	ent		
								on the applie					
			t in the re					but the forward				depend	lent of
	(4)			everse	biased cor	ndition i	s ger	nerally very s	mall.				
			1 400										
131.		I containing	both Al a							(4)	01		
	(1)	Laterite		(2)	Bauxite		(3)	Pedalfers		(4)	Clay		
		10							-				
132.		olusite is		(0)			(0)	0		(4)	Mana of	thaaa	
	(1)	Carbonate	ore	(2)	Sulphur ore	9	(3)	Silicon ore	100	(4)	None of	tnese	
133.	1 n	nolar solutio	n contain	c									
100.				3			(2)	1000g of so	lvent				
		1000g of s					(4)	1 litre of so					
	(3)	i ille oi s	Olvent				(4)	, inte or so	iddon.				
134	· W	nich one of	the following	ing ha	s zero vale	ncv ?							
		Sodium			Beryllium		(3)	Aluminium		(4)	Krypton		
. 4	(1)	Codiditi		(-/	22.7		1-1			. ,			
			100							0.00	1.0		
20/	C/2	K11/05				17	7					1	P.T.O.
1 .11	111/	1 3 1 1/1/1/1				- 1							

135.	Which one is the weakest acid?			
	(1) HNO ₃ (2) HCIO ₄	(3)	H ₂ SO ₄ (4) Hi	Br
136.	If a chemical change is brought about by of heat absorbed or evolved during the cofollowed. This law is known as	one or more	methods in one or more step rse of reaction is same, which	s, then the amount h ever method was
	(1) Joule Thomson effect	(2)	La Chatalian mainsint	
	(3) Hess law	(2)	Le Chatelier principle	
	(e) Hess law	(4)	None of these	
137.	The correct relationship is			
	(1) $\Delta H + P \Delta V = \Delta V$	(2)	. II DT E	
			$\Delta H - \Delta nRT = \Delta E$	
	(3) $\Delta E + \Delta nRT = \Delta P$	(4)	None of these	
420	AU - JULY			, ,
138.	All colloids are			
	(1) Formed by one solid and one liquid	(2)	Two phase systems	1,000
	(3) Suspensions	(4)	True solutions	
420				
139.	Cuprous ions are formed when			
	(1) Copper is oxidized by HNO ₃	(2)	Cupric ions are oxisized by	SOz
	(3) Cupric ions are reduced by Cu	(4)	None of these	
140.	Copper cannot replace	from soluti	on	
- 1	(1) Fe (2) Au	(3)		
741.	Optically active compound is			
	(1) 3 – chloropentane	(2)	2 - chlorobutane	
	(3) 2 – chloropropane	(4)	None of these	
142.	Following reaction is known as			
	Phenol (ii) CHCl₃ / NaOH salicyla	aldehyde		
	(1) Gatterman aldehyde synthesis	(2)	Duff reaction	
d Stranger	(3) Perkin reaction	(4)	Reimer - Tiemann reaction	
143.	The shape of carbonium is			
	(1) Planar (2) Pyramidal	(3)	Linear (4) No	one of these
144.	The orbital diagram in which Aufbau princ	iple is violate	ed is	
	$(1) \qquad \uparrow \downarrow \qquad \uparrow \downarrow \uparrow \downarrow \uparrow \downarrow \uparrow \uparrow$	(2)	$\uparrow \downarrow \uparrow \uparrow \uparrow \uparrow \uparrow$	
	(3)	(4)	$\uparrow \downarrow \uparrow \uparrow$	

				100			
145.	Pot	ash alum is used in	purification of wat	ter because			
		It catalyses the re-					
		It removes the har					
		It precipitates the					
		It kills the micro o					
	(.,	it time the finding o	rgamorno.				- 30
146.	Hor	matite is an ore of			250		
140.			(2) Managana	(2)	Torre 1	(A) D	
	(1)	Copper	(2) Manganese	(3)	Iron	(4) Boron	
447	Th.						
147.	The	e end product of the	e reaction is				
	100	$CH_3OH \xrightarrow{A} A$	NaOH R				
		300°C	7.0				
	(1)	Ketone		(2)	Alkane		* *
	(3)	Sodium salt of car	rboxylic acid	(4)	Carboxylic acid		
				(.,	can worky no acid		
148.	Wh	ich type of radiation	is not emitted by	the electron	nic structure of at	ome 2	
		X-rays	r to the critical by		Ultraviolet light	onis :	
	(3)				A CONTRACT OF THE PARTY OF THE		
	(0)	γ -rays		(4)	Visible light		
	_						
149.			→ AB, if the con	centrations	of A and B are de	oubled, the rate of res	action will
	(1)	Be halved		(2)	Be doubled		
	(3)	Increase to 4 time	S	(4)	Nothing can be	said	
						1 200	To de
150.	Wh	ich one of the follo	wing is Lowry Bron	sted acid?			
	(1)	C2H5O-	(2) HSO ₄ -	(3)	CF	(4) OH-	
151.	1 n	nole of any gas :			30		
		Always occupies a	a fixed volume at N	TP (2)	Can occupy any	volume at NTP	
		Always occupies 2			Always occupies		
	. ,	, , , , , , , , , , , , , , , , , , , ,		(.)	ranajo occupios	7 1 11110	
152.	HN	O ₃ acts as					
		Reducing agent		(2)	Ovidizing agent		
	(3)			4 300	Oxidizing agent		
	(0)	Doil (1) & (2)		(4)	None of these	* * * * * * * * * * * * * * * * * * * *	
152	The	treatment of prani	الله طائب ماء بيطاء	NaOLL saluti			
155.		treatment of propi				1 011 0110	
		CH ₃ CH ₂ COCH ₂ CH			CH ₃ CH ₂ CHOHCH		
	(3)	CH3CH2CHOHCH(CH ₃)CHO	(4)	CH3CH2COOCH2	CH ₂ CH ₃	
		9 1 10	1				
154.		ich pair has elemen		e number of	electrons in the	outermost orbit?	
	(1)	Pb, Sb	(2) As, Bi	(3)	Na, Ca	(4) N, O	
				1 10 20			
155.	Wh	nich of the following	contains both Ca	and Mg?			
3	(1)	Felspar	(2) Chalk	(3)	Dolomite	(4) Limestone	
156.	Soc	dium atom differs fr	om sodium ion in t	he number o	of		
	(1)		(2) Protons		Neutrons	(4) Neutrons ar	nd protons
				1 /			

157.	The Nessler's reagent	contains				
	(1) Hgl ₄ ²⁻	(2) Hgl ₂	(3)	Hg ²⁺	(4) Hg ₂ ²⁺	
	140 - 1 - 1 4 1 - 1 - 1	in water 2				
158.	Which is least soluble		(2)	D-	(4) F-	
	(1) I ⁻	(2) Ce-	(3)	DI	(4)	
450	Mhigh of the following	s is most stable ?				
159.	Which of the following (1) CH ₃ CH(OH) ₂		(3)	(CH ₃) ₂ C.(OH) ₂	(4) CCI ₃ CH(OH) ₂	
160	HCHO and HCOOH a	are distinguished by tr	reating with			
100.	(1) Fehling's solution		(2)	Benedict solution		
	(3) Tollen's reagent		(4)	NaHCO ₃		
161.	Perkin's reaction is us	sed for the preparation				
	(1) Phthalic acid		. (2)	Cinnamic acid		
	(3) Salicylic acid		(4)	Benzoic acid		
162	The volume of water	needed to dissolve 1	g of BaSO	$(K_{-} = 1.1 \times 10^{-10})$	at 25°C is	
102.	(1) 410 litre	(2) 205 litre	(3)	410 litre	(4) 820 litre	
	(1) 410 11110	(2) 200 11110	(-)			
163.	For an endothermic re	eaction where AH rep	presents the	enthalphy of the rea	action in kJ/mol, the minimu	m
	value of the energy of					
	(1) Equal to ΔH		(2)	More than ∆ H		
	(3) Equal to ΔH		(4)	Zero		
ă.,	(5) Equal to ATT		(.,			
164	Gypsum, CaSO ₄ . 2H	LO on heating to 12	0°C forms	plaster of paris which	h is	
104.	(1) CaSO ₄	(2) 2CaSO ₄ .H	O (3)	CaSO ₄ . H ₂ O	(4) 2CaSO ₄ . 3H ₂ O	
	(1) 00004	4	2			
165.	Antiknock compound	is				
	(1) Sublimed white		(2)	Tetra ethyl lead		
	(3) Lead tetra aceta		(4)	Basic lead carbon	ate	
166.	Which of the following	ng is not an alcohol	?			
	(1) C ₆ H ₅ OH			CH ₂ = CHCH ₂ OH	(4) CH ₂ OHCH ₂ OH	
167	The mathematical for	rm of the first law of th	hermodynar	nics when heat (q) is	supplied and (w) is work do	me
	by the system (+ve)					
	(1) $\Lambda E = -q - w$		+ w (3)	$\Delta W = q + w$	(4) $\Delta E = q - w$	
	(7 Δ- 1	., -				
168	. Which set of conditi	ions represents easie	est way to I	quefy a gas ?		
		re and high pressure	(2)	Low temperature	and low pressure	
	(3) Low temperatur		(4	High temperature	and low pressure	
169	. The wavelength of a	a spectral line for an	electronic to	ransition is inversely	related to	
	(1) The velocity of	the electron undergo	ing the tran	sition		
	(2) The difference	in the energy of energy	gy levels in	volved in the transition	ons	
	(3) The nuclear ch	arge of the atom		100		
	(4) The number of	electrons undergoing	the transiti	on.		

170.	(1)	heating one end of a piece of a meta minor perturbation in the energy of a mobility of atoms on the metal	toms (2)					
171.	The	oxide, which cannot act as a reducir	ng agent is			36		
		CIO ₂ (2) CO ₂		NO ₂	(4)	SO ₂		
172.		oxidation of toluene with CrO ₃ in the paqueous NaOH, produces	presence of (CH ₃ CO) ₂ O gives a pr	oduc	t A, which on tr	eatment	
	(1)	$(C_6H_5CO)_2O$ (2) C_6H_5COON	la (3)	C ₆ H ₅ CHO	(4)	2, 4-diacetyl t	oluene	
173.		IUPAC name for CH = CHCH ₂ CHCH ₂ COOH is						
8.		NH ₂	100					
	(1)	β-amino δ-heptenoic acid	(2)	3-amino 5 - hepteno	oic ac	id		
	(3)	5-amino hex - 2- ene-carboxylic acid	(4)	5-amino-2-heptenoic	acid			
174.	(1) (2) (3)	ntify the correct statement Plaster of Paris is obtained by partial Plaster of Paris can be obtained by Gypsum contains a lower percentage Gypsum is obtained by heating plas	hydration of e of calcium	gypsum				
475								
1/5.		mercury is the only metal which is high vapour pressure						
	(1)	high ionization energy		weak metallic bond both (2) and (3)				
176.		f-life for radioactive ¹⁴ C is 5760 years. 11520 years (2) 17280 years		y years 200 mg of ¹⁴⁰ 23040 years		be reduced to 5760 years	25 mg ?	
177.	(1)	ideal gas, obeying kinetic theory of g its molecules are relatively small in	size	t be liquefied, because	se			
		it solidifies before becoming a liquid its critical temperature is above 0°C						
		forces acting between its molecules		le.				
178.	For	a reaction to occur spontaneously						
		(ΔH+TΔS) must be negative	(2)	AS must be negati	ive			
		(∆H – T∆S) must be negative	(4)					
179	The	e bakelite is prepared by the reaction	hetween			1444		
		ethylene glycol	(2)	urea and formaldehy	vde			
	(3)	phenol and formaldehyde	(4)					
180.	The	e pH value of a 10 M solution of HCI	is					
,		equal to 2 (2) equal to 1		equal to 0	(4)	less than 0		
					11			
29/	C/2	K11/05	21				[P.T.O.	

189.	"A Bet	tter India, A be	tter Wor	ld" is a t	oook aut	hored b	ov			
	(1) N	andan Nilekani					APJ Abdul Kal	am		
	(3) N	.R. Narayana M	Murthy				Gurucharan Da	No. 1997 Control Control		
190.	Nation Ministr	al Disaster Ma	anageme	ent Autho	rity has	been e	stablished by the	Govern	nment of Indi	a under th
		ome Affairs	(2)	HRD		(3)	Urban Develop	ment (4	1) Defence	
191.	Which	is the Nodal U	Jnion Mi	nistry for	implem	enting t	the Biodiesel Mi	ssion ?		
	(1) M	inistry of Agrici	ulture			(2)		v and Re	enewable En	enav
	(3) M	inistry of Scien	ice and	Technolo	gy	(4)	Ministry of Rura			- 50
192.	Where	will the 2012	Olympic	Games	be held	2			Tay of the	
9	(1) Lo	os Angeles	(2)	Beijing			Seoul	. (4	l) London	
193.	Nation	al Consumer F	Rights Da	v is obse	erved on					
	(1) De	ecember 4		Decemb		(3)	December 24	{4	() Decembe	r (200
194	How m	nany gold mod	ale wen	bu ladia i	- 44 - 0					
134.	(1) 39	any gold med			in the C		wealth Games 2			
	(1) 38		(2)	36		(3)	38	(4	4) 37	
195.	Who is	s the present C	hairman	of Telec	om Reg	ulatory	Authority of India	a or TRA	43	
	(1) Sh	nri Arun Raman	athan		4	(2)	Dr. J.S. Sharm			
	(3) Sh	nri Sahib Daya	I Singh			(4)	None of these			
196.	The ho	ost of 2018 Wo	orld Cup	of Footh	all ic					
	(1) Q			Russia	an is	(3)	Japan		() Andin	
								(4) India	
197.	On the	tributary of wh	hich river	has Rih	and Dar	n been	constructed ?			
	(1) CI	hambal	(2)	Yamuna			Sone	(4) Periyar	
198.	AGMA	RK is								
	(1) A	cooperative for	egg pro	duction		(2)	Regulated agric	cultural n	narket	
	(3) Fa	armer's coopera	ative			(4)	A quality guara			nodities.
199.	The la	rgest freshwate	er lake in	the wor	ld is					
		ake Victoria		Lake Mi		(3)	Lake Balkhash	(4) Lake Sup	erior
200.	Match	the following o	elebrities	s and the	produc	ts they	endorse :			
	-	Celebrit	ty	T		Prod	luct	1		
	A	A. Virende	r Sehwa	9	1.	Sprite		1	1.00	
	E	3. Rahul K	hanna		11.	Slice				
		C. Sania M	lirza .		HL.	Britar	nnia	1		
		D. Katrina	Kaif		IV.	Frito	Lays Chips			
	(1) A	II DI CIV D	III			+14		_		
		-II, B-I, C-IV, D- -III, B-IV, C-I, D		(2)		I-II, C-III B-III, C-				
		,,, -		(4)	A-IV,	D-111, C	11, 0-1		70.0	