Rosary College of Commerce & Arts

Navelim, Salcete - Goa

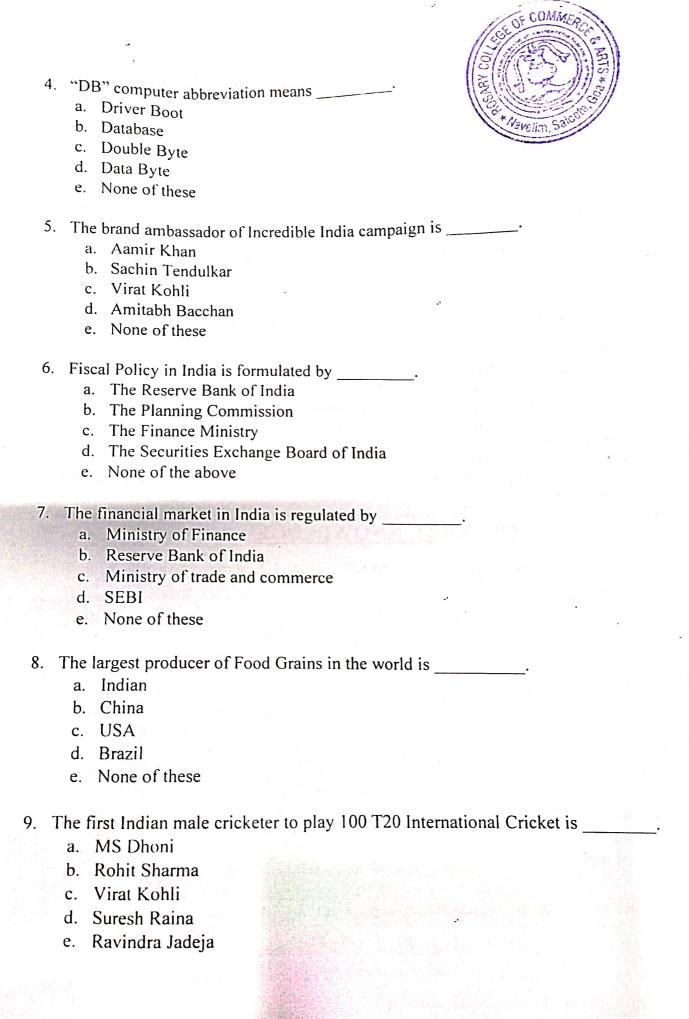
MODEL QUESTION PAPER ROSARY COLLEGE APTITUDE TEST (RCAT)

Duration: 90 Minutes

Instructions:

- 1. All questions are compulsory
- 2. Each question carries 1 mark.
- 3. Candidates have to tick (" $\sqrt{}$ ") only one alternative, if more than one alternative is selected for a question then it will not be assessed.
- 4. Total marks allotted for the paper is 100.
- 5. The test will have 4 sections with 25 questions per section.
- 6. Students have to compulsorily append their signatures on every page of the question & answer booklets.

<u>GENI</u>	ERAL KNOWLEDGE
1. The Country which launched	the world's first fully-fledged 5G MOBILE NETWORK IS
a. India	
b. Japan	
c. South Korea	
d. China	
e. United States	
2. The Planet that rotates clocky	wise is
a. Pluto	
b. Venus	
c. Jupiter	
d. Mercury	
e. None of these	
3. The term that is used to ask the order is	e computer to put information in numerical or alphabetical
a. Report	
b. Corp	
c. Record	
d. Sort	
e. None of these	
Page 1	
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 10. The full form of NEFT is a. National Electronic Fund Transfer b. National Electronical Fund Transfer c. National Electronic Transfer Fund d. National Electronics Fund Transfer e. None of these 11. The full form of SEO is a. Search Engine Optimizer b. Seasoned Equity Offering c. Search Engine Optimization 	er Salcete, G
d. Senior Executive Officere. None of these12. The institution in India that acts as thea. Finance Ministry	'lender of the last resort' is
b. Currency printing pressesc. Treasuryd. RBIe. None of these	
 13. The highest amount of Vitamin C is for a. Lemon b. Capsicum c. Tomato d. Grape e. None of these 	ound in
 14. The Rajya Sabha should consist of no a. 258 b. 256 c. 250 d. 252 e. None of the above 	t more than members.
 15. In India, a person can be elected as the a. One Time b. Two Time c. Three Time d. No Bar e. None of these 	e president of India number of times.
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16. The currency of Portugal is	Bush
a. Banamian Dollar	6 5/1
b. Boliviano	
c. Euro	
d. Canadian Dollar	
e. Pound	
17. Bauxite is a raw material of	
a. Iron	
b. Zinc	
c. Tin	
d. Aluminum	
e. None of the above	
18. The CEO of Twitter is	
a. Guillaume Faury	
b. Kasper Rorsted	
c. Parag Agrawal	
d. Jeff Bezos	a –
e. Marc Zuckerburg	
19. One byte is equal to	
a. 16 Bits	
b. 8 Bits	
c. 24 Bits	
d. 12 Bits	
e. 32 Bits	
0. The ICC T-20 is held after .	
a. Every Two Years	
b. Every Four Years	
c. Every Three Years	
d. Every Five Years	,i
e. None of the above.	
G B lactude	
 The State which is known as Sugar Bowl of India is _ 	•
a. Uttar Pradesh	
b. Punjab	
c. Andhra Pradesh	
d. Bihar	
e. Goa	

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	and the same of th
22. The headquests are	EGE OF COMME
22. The headquarters of Facebook is located i	n Signal Control of the Control of t
8-	
Camorna	
c. New York	(3)
d. Miami	avolim, Salcete. S
e. Phoenix	
23. The name of the first known is	
23. The name of the first human robot is	·
b. TIM	
12 - 11 - 1	
c. Sophia d. Helen	
•	
e. Sonny	
24. The percentage of earth surface covered by	ov India is
a. 2.4 %	y maia is
b. 3.4 %	
c. 4.4 %	
d. 5.4 %	
e. 6.4%	
C. 0.170	• •
25. The type of soil that is mostly confined to	o river basins and coastal plains of India is
A CONTRACTOR OF THE PROPERTY O	
a. Black Soil	
b. Laterite Soil	
c. Red Soil	
d. Alluvial Soil	
e. Chalk Soil	
English	Language
Complete the sentence with the most appro	opriate word or phrase out of the given
options	priate word or pinase out of the given
26. He found the gold coin as he cleans the f	loor.
a. as he had cleanedb. while he cleans	
c. which he is cleaningd. while cleaning	
e. None of the above	
c. None of the above	
27. Select the misspelt word.	
a. Cartilage	
b. Marriage	
c. Privilage	
d. Carriage	
e. None of these	
Page I.F.	
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Read the following passage and answer the questions: (Question 28 to 31

We sit in the last row, bumped about but free of stares. The bus rolls out of the dull crossroads of the city, and we are soon in open countryside, with fields of sunflowers as far as the eye can see, their heads all facing us. Where there is no water, the land reverts to desert. While still on level ground, we see in the distance the tall range of the Mount Bogda, abrupt like a shining prism laid horizontally on the desert surface. It is over 5,000 metres high, and the peaks are under permanent snow, in powerful contrast to the flat desert all around. Heaven Lake lies part of the way up this range, about 2,000 metres above sea level, at the foot of one of the higher snow-peaks.

As the bus climbs, the sky, brilliant before, grows overcast. I have brought nothing warm to wear: it is all down at the hotel in Urumqi. Rain begins to fall. The man behind me is eating overpoweringly smelly goat's cheese. The bus window leaks inhospitably but reveals a beautiful view. We have passed quickly from desert through arable land to pasture, and the ground is now green with grass, the slopes dark with pine. A few cattle drink at a clear stream flowing past moss-covered stones: it is a Constable landscape. The stream changes into a white torrent, and as we climb higher, I wish more and more that I had brought with me something warmer than the pair of shorts that have served me so well in the desert. The stream (which, we are told, rises in Heaven Lake) disappears, and we continue our slow ascent. About noon, we arrive at Heaven Lake and look for a place to stay at the foot, which is the resort area. We get a room in a small cottage, and I am happy to note that there are thick quilts on the beds.

Standing outside the cottage we survey our surroundings. Heaven Lake is long, sardine shaped and fed by snowmelt from a stream at its head. The lake is an intense blue, surrounded on all sides by green mountain walls, dotted with distant sheep. At the head of the lake, beyond the delta of the inflowing stream, is a massive snowcapped peak which dominates the vista; it is part of a series of peaks that culminate, a little out of view, in Mount Bogda itself.

For those who live in the resort, there is a small mess hall by the shore. We eat here sometimes, and sometimes buy food from the vendors outside, who sell kabab and naan until the last buses leave. The kababs, cooked on skewers over charcoal braziers, are particularly good; highly spiced and well done. Horse's milk is available too from the local Kazakh herdsmen, but I decline this. I am so affected by the cold that Mr. Cao, the relaxed young man who runs the mess, lends me a spare pair of trousers, several sizes too large but more than comfortable. Once I am warm again, I feel a predinner spurt of energy dinner will be long in coming and I ask him whether the lake is good for swimming in. "Swimming?" Mr. Cao says. "You aren't thinking of swimming, are you?"

"I thought I might," I confess. "What's the water like?" He doesn't answer me immediately, turning instead to examine some receipts with exaggerated interest. Mr. Cao, with great off handedness, addresses the air. "People are often drowned here," he says. After a pause, he continues. "When was the last one?" This question is directed at the cook, who is preparing a tray of mantou (squat white steamed bread rolls), and who now appears, wiping his doughy hand across his forehead. "Was it the Beijing athlete?" asks Mr. Cao.

- 28. One benefit of sitting in the last row of the bus was that:
 - a. the narrator enjoyed the bumps.
 - b. no one stared at him
 - c. he could see the sunflowers.
 - d. he avoided the dullness of the city.
 - e. None of the above

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29. The narrator was travelling to:

- a. Mount Bogda
- b. Heaven Lake
- c. a 2,000 m high snow peak
- d. Urumqi
- e. None of the above

30. On reaching the destination the narrator felt relieved because:

- a. he had got away from the desert
- b. a difficult journey had come to an end
- c. he could watch the snow peak
- d. there were thick quilts on the beds
- e. None of the above

31. Mount Bogda is compared to:

- a. a horizontal desert surface
- b. a shining prism
- c. a Constable landscape
- d. the overcast sky
- e. None of the above

Read the following passage and answer Questions 32-36

In May 1966, the World Health Organisation was authorised to initiate a global campaign to eradicate small-pox. The goal was to eradicate the disease in one decade. Because similar projects for malaria and yellow fever had failed, few believed that small-pox could actually be eradicated, but eleven years after the initial organisation of the campaign, no cases were reported in the field.

The strategy was not only to provide mass vaccinations, but also to isolate patients with active small-pox in order to contain the spread of the disease and to break the chain of human transmission. Rewards for reporting small-pox assisted in motivating the public to aid health workers. One by one, each small-pox victim was sought out, removed from contact with others and treated. At the same time, the entire village where the victim had lived was vaccinated.

Today small-pox is no longer a threat to humanity. Routine vaccinations have been stopped worldwide

32. From the above passage it can be inferred that

- a. no new cases of smallpox have been reported this year
- b. malaria and yellow fever have been eliminated
- c. smallpox victims no longer die when they contract the disease
- d. smallpox is not transmitted from one person to another
- e. Smallpox is a viral infection.

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- 33. Which statement does not refer to smallpox?
 - a. Previous projects had failed
 - b. People are no longer vaccinated for it
 - c. The World Health Organisation mounted a worldwide campaign to eradicate the disease
 - d. It was a serious threat
 - e. People are ignorant of the sickness
- 34. According to the paragraph what was the strategy used to eliminate the spread of smallpox?
 - a. Vaccination of the entire village
 - b. Treatment of individual victims
 - c. Isolation of victims and mass vaccinations
 - d. Extensive reporting of outbreaks
 - e. None of the above
- 35. What was the goal of the campaign against smallpox?
 - a. To decrease the spread of smallpox worldwide
 - b. To eliminate smallpox worldwide in ten years
 - c. To provide mass vaccinations against smallpox worldwide
 - d. To initiate worldwide projects for smallpox, malaria and yellow fever at the same time
 - e. To create awareness about smallpox and provide medication.
- 36. Which of the following is the best title for the passage?
 - a. The World Health Organisation.
 - b. Smallpox vaccinations.
 - c. Infectious diseases.
 - d. The eradication of smallpox.
 - e. Smallpox a dangerous sickness

Choose the correct option which is grammatically correct and conveys equivalent meaning for the bold text in the given statement.

- 37. Good-natured people have been suffered because of their politicking companions.
 - a. Have suffering with
 - b. Are suffered because of
 - c. May suffer because of
 - d. Are being suffered because of
 - e. No correction required

Choose the word which conveys the OPPOSITE meaning for the word

- 38. Feisty
 - a. Sorrow
 - b. Distress
 - c. Adhesive
 - d. coward
 - e. compassion

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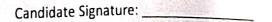
- 39. The closest meaning for the word 'EVOLUTION'?
 - a. Transformation
 - b. Expansion
 - c. Progression
 - d. Modification
 - e. Amplification

Choose the option which describes the closest meaning for the expression given (Question 40-41).

- 40. A person who pretends to have certain beliefs, attitudes or feelings when they really do
 - a. Hypocrite
 - b. Naturalists
 - c. Evangelist
 - d. Pluviophile
 - e. Misanthrope
- 41. A person who sacrifices his life for a cause
 - a. Soldier
 - b. Revolutionary
 - c. Martyr
 - d. Patriot
 - e. None of these

In the following questions (42-44), sentence is given in Active/Passive voice. Out of the given options select that option which expresses the same sentence in Passive/Active voice.

- 42. By now the winners will have been felicitated.
 - a. By now the winner will have been felicitated.
 - b. They will felicitate the winners now.
 - c. They have felicitated the winners by now.
 - d. They will have been felicitated the winners by now.
 - e. They will have felicitated the winners by now.
- 43. An American scientist has won the Nobel Prize for Physics.
 - a. An American scientist has won the Nobel Prize for Physics.
 - b. The Nobel Physics Prize has been won by an American scientist.
 - c. The Nobel Prize has been won by an American scientist.
 - d. The Nobel Prize for Physics is won by an American scientist.
 - e. The Nobel Prize for Physics has been won by an American scientist.
- 44. The problem has been treated by numerous experts.
 - a. The problem has been treated by numerous experts.
 - b. Numerous experts have been treating the problem.
 - c. Numerous experts have treated the problem.
 - d. Numerous experts had been treating the problem.
 - e. Numerous experts treated the problem.



45. Identify the sentence that is correctly punctuated from the following

a. Everyone has special skills; some people use them very well.

b. Everyone has special skills; and, some people use them very well.

c. Everyone has special skills some people use them very well.

d. Everyone has special skills and, some people use them very well.

e. None of the above



Pick out the most effective word from the give	n words to	fill in	the	blank	(46-48) to
make the sentence meaningfully complete.					

6. Catching the earlier train will give us the to do s	to do some shopping
a Change	

- a. Chance
- b. Luck
- c. Possibility
- d. Occasion
- e. None of the above

47. I saw a	of cows in the	field.

- a. Group
- b. Herd
- c. Swarm
- d. Flock
- e. Pride

48. Select the odd one out. a. Hardware

- b. Keyboard
- c. Ink
- d. Monitor
- e. Mouse

In the given sentence below, four words are given in BOLD, one of which may be either inappropriate in the context of the sentence or wrongly spelt.

- 49. There was only a minimal chance of acquiring the contagioues disease since everyone had been completely vaccinated with the most recent medication.
 - a. Minimal
 - b. Contagious
 - c. Been
 - d. Vaccinated
 - e. All are correct

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Choose the correct option which is grammatically correct and conveys equivalent 50. Some people by naturally talk more than others. b. Nature by talking c. Naturally talk



d. Naturally by talking

e. No correction required

LOGICAL REASONING
51. Complete the following letter series based on the English alphabetical order?
BE GJ LO QT
a. UZ b. WZ c. VY d. UY e. None of These
52. Find the missing series
NOM, QRP, TUS
a. WAX b. HUT c. HTU d. WXV e. None of these
53. Select the set of letters when sequentially placed at the gaps in the given letter series shall complete it
_BC_Q_AB_P_R
 a. PARCQ b. APQRC c. APRCQ d. ACRPR e. None of the above

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54. In the following question find out the alternative which will replace the question mark.

Rabbits: squeak:: Giraffes:?

- a. Bleat
- b. chirp/creak
- c. bell
- d. buzz
- e. None of these



55. A,B,C,D,E,F,G and H are sitting in a row facing North.

- (i) A is fourth to the right of E
- (ii) H is fourth to the left of D
- (iii) C and F, which are not at the ends are neighbours of B and E respectively.
- (iv) H is immediate left of A and A is the neighbour of B.

Find the Odd man out

- a. FG
- b. GH
- c. AC
- d. FE
- e. CD
- f. None of These

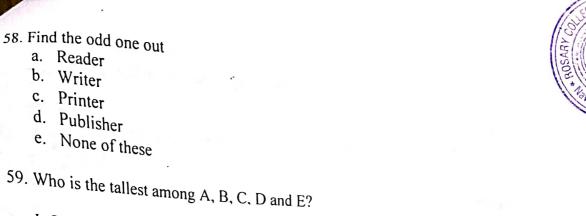
56. If A is coded as -, B is coded as +, C is coded as * and D is coded as / then evaluate 5 A 8 B 6 C 5 D 2 C 3?

- a. 43
- b. 44
- c. 52
- d. 42
- e. 32
- 57. Five girls are sitting on a bench to be photographed. Seema is to the left of Rani and to the right of Bindu. Mary is to the right of Rani. Reeta is between Rani and Mary.

Who is sitting immediate right to Reeta?

- a. Bindu
- b. Mary
- c. Rani
- d. Seema
- e. None of these

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60. When Anuj saw Manish, he recalled, "He is the son of the father of my daughter." Who

61. In a class of some students standing in a straight line, the position of David is 31st from

62. In each of the following question find out the alternative which will replace the question

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left end and 21st from right end. How many students are there in the class?

I. C is taller than B but not as tall as E.

II. A is not the shortest. III. A is taller than only D.

b. only II and III

d. only I and III e. None of these

a. Brother-in-law

e. None of these

e. None of these

Rigid: Stiff:: Quick:?

a. Inappropriate b. Common c. Alive d. Avoidable e. None of these

is Manish?

b. Brother c. Cousin d. Uncle

a. 55 b. 50 c. 51 d. 53

mark.

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c. only I and either II or III

a. only I



		, ,	GRASP is coded as BMVNK, Which word would be coded as
	a.	FUDOH	
	b.	HWFSJ	
	d.	GVERI XMVIZ	
	e.	None of these	
	٠.	tione of these	Salcete Go
-	64. If I Mi	Black means yellow, lk?	Yellow means white and White means Red, What is the color of
		White	
		Black	
		Red	
		Yellow	
	e.	None of these	
	a.	CONTRIBUTE is wri nen counted from the I L A	tten as ETBUIRNTOC, which letter will be in the sixth place eft if POPULARISE is written in that code?
		A I	
		R	
		None of these	
	a.	Moon	
		Earth Mars	
		Pluto	
		None of these	
		or these	
6	57. Anı mil	n walks 4 miles in the	direction of west then he turns to his right and walks further 3 tly from the starting point (in miles)?
	a.	7	nom the starting point (in miles)?
	b.	5	
	C.	5.5	
	d.	4.5	
	e.	None of these	
			· · · · · · · · · · · · · · · · · · ·
D ~ -			
пd	ge 14		Candidate Signature:
			어린 유민들은 경우 바로 가장 보면 있는데 보다 있다. 그런 사람들은 보다 보고 있는데 보고 있다.

68. Statement: "According to me, you should get your child examined by a specialist Assumptions: I. Specialist doctors are able to diagnose better than ordinary doctors. II. B will certainly not agree with A's advice. a. Only assumption I is implicit b. Only assumption II is implicit c. Either I or II is implicit d. Neither I nor II is implicit e. Both I and II are implicit 69. Look at this series: 36, 34, 30, 28, 24, ... the number that comes next is _____ a. 26 b. 23 c. 20 d. 27 e. 22 70. In a certain language, BOOK is written as 4300, MATE is written as 3900. Then 1600 will represent which word out of given alternatives? a. GOOD b. WOOD c. CRAB d. CAGE e. MAZE 71. From his house, Lokesh went 15 km to the North. Then he turned to his left and covered 10 km. Then he turned south and covered 5 km. Finally, turning to his left, he covered 10 km. The direction in which he is from his home is a. North Direction b. South Direction c. East Direction d. West Direction e. None of the above 72. "He is the son of the only son of my grandfather," Lauren says, pointing to a photograph. How is the man in the photograph related to Lauren? a. Uncle b. Nephew c. Brother d. Cousin e. Father Candidate Signature: Page | 15

- generation and M is the son-in-law of E. K is the brother-in-law of H. Who among the following is sister-in-law of D?
 - a. H b. A

 - C. M
 - d. C
 - e. G
- 74. Which set does the Figure belong to?





Set B



Figure



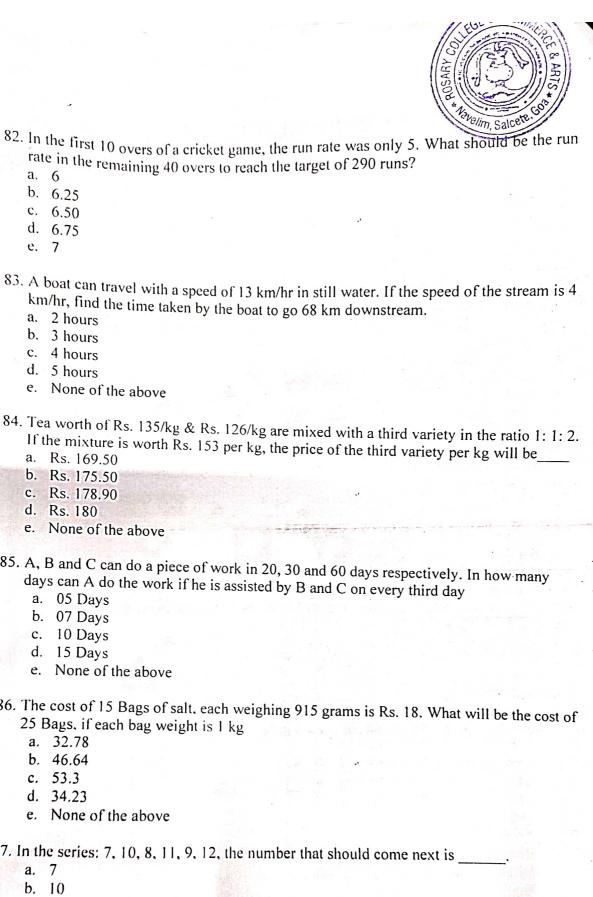
- Set A a.
- Set B b.
- c. Both
- Neither SET A nor SET B
- 75. One day raj left home and walked 5 km northwards, turned right and walked for 10km and turned left and walked 5 km more and finally turned left and walked 10km. How many kilometres will he have to walk to reach his home straight?
 - a. 15 km b. 10 km

 - 25 km c.
 - d.
 - None of these

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.	NUMERICAL ABILITY
76. Sacl	Rs. Rs.
0	Rs, a rupee, 16 gain 20%, he must sen the tonee at
a. b.	3
	6
	7
	5
C.	S
77. A (ruit galler had a see
Ori	ruit seller had some oranges. He sells 50% oranges and still has 750 oranges. Iginally, he had:
a,	500 oranges
b.	750 oranges
	1000 oranges
d.	1250 oranges
c.	1500 oranges
	to a grange al
78. Se	ats for BBA, T&T and BCA in a College are in the ratio 5:7:8. There is a proposal
to	increase these seats by 40%. 50% and 75% respectively. What will be the ratio of
	creased seats? 2:3:4
	6:7:8
	6:8:9
	6:9:9
	None of the above
	Lie greed in km per hour is
	person crosses a 1200 m long street in 5 minutes. His speed in km per hour is
	9.6
	14.4 18.2
	24.6
	26.3
80. In	the series 2, 6, 18, 54,the 8th term will be
a.	1050
	4374
	7443
	7434
e.	9168
01. 4	grocer has a sale of ₹ 6000, ₹ 8000, ₹ 10000, ₹ 12000 and ₹ 14000 for 5 consecutive
81. A	onths. How much sale must be have in the sixth month so that he gets an average sale
	onthis. How indensate measures
	7 4000
a. b.	7,7000
о. с.	7 (000
d.	0.06
e.	* 0000
C.	
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C.	Rs. 178.90
	Rs. 180
e.	None of the above
85 A	P and C and I
day	B and C can do a piece of work in 20, 30 and 60 days respectively. In how many
a.	and work if the is assisted by B and C on every third day
b.	03 Days
c.	
d.	
	None of the above
e.	None of the above
86. The	e cost of 15 Bags of salt, each weighing 915 grams is Rs. 18. What will be the cost of
25 1	Bags, if each bag weight is 1 kg
a.	
b.	46.64
c.	53.3
d.	34.23
e.	None of the above
87 In th	ne series: 7 10 9 11 0 12 the number that should assess the
a,	ne series: 7, 10, 8, 11, 9, 12, the number that should come next is
b.	10
c.	12
d.	13
e.	None of the above
1 - 1 - E.	
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a. 6 b. 6.25 c. 6.50 d. 6.75 7

a. 2 hours b. 3 hours c. 4 hours d. 5 hours

a. Rs. 169.50 b. Rs. 175.50

e. None of the above

88. The	get 6 as quotient and the 15 as remainder. The smallest number is
we	get 6 as quotient and the 15 as remainder. The smallest number is
۱۱, ام	240 as remainder. The smallest number is
	270
C,	495
	360
e,	450
90 TI	
os. The	e smallest three-digit prime number is
a,	103
	107
	109
	113
e.	None of the above
90. Th	e natural numbers between 23 and 100 which are exactly divisible by 6 are
	. 11
	. 12
	. 13
e	. None of the above
With th	e data provided below, answer the questions 91-93
In a sci	nool, all the students play either Football or Volleyball or both. 300 students play
Footbal	I, 270 students play Volleyball, and 120 students play both games.
91 The	number of students who play Football only are
	. 180
b	
c	. 120
	. 270
e,	None of the above
92. Th	e number of students who play volleyball in the school are .
	690
b.	450
	300
	320
e.	None of the above
93. If 5	women or 8 girls can do a work in 84 days. If 10 women and 5 girls can do the same
	k, it would take them
a.	32 Days
Ь.	45 Days
	52 Days
	38 Days
e.	None of the above
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94. If 30% of a number is 12.6, then the numb a. 45 b. 38 c. 40 d. 42	AND THE PROPERTY OF THE PROPER
e. None of the above	Salcete German Salcet
 95. What number must be added to 6, 16 and 8 a. 22 b. 25 c. 30 d. 18 e. None of the above 	8 to get an average of 13? .
 96. A person lost 10% when he sold goods at gain 20%? a. 240 b. 204 c. 250 d. 232. e. None of the above 	Rs.153. For how much should he sell them to
97. A started a business investing Rs. 45,000. Rs. 60,000. After another 6 months. C joi end of the year, they made a profit of Rs. a. 5500 b. 6500 c. 6900 d. 5900 e. None of the above	After 3 months, B joined him with a capital of ned them with a capital of Rs. 90,000. At the 16,500. A's share of profit is
 98. Every time a man hits the target, he gets he has to pay the rupee. He is allowed to How many times did he hit the target? a. 60 b. 65 c. 70 d. 75 e. None of the above 	one rupee and every time he misses the target try 100 times and gets an amount of Rs. 30.
 99. A shop offers 10 percent discount on the additional 12 percent discount if the payitem is Rs. 250, then what is its actual pra. 195 b. 197 c. 198 d. 199 e. None of the above 	meni is made in cach If the autor in the
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100. Find compound interest on Rs. 8000 at 15% per annum for 2 years 4 months, compounded annually
a. 2109

b. 3109

c. 4109

d. 6109

