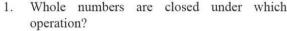
# Sainik School Entrance Exam Solved Paper-2021 (Class-VI)

#### **MATHEMATICS**



- (a) Subtraction
- (b) Division
- (c) Multiplication
- (d) All of these
- 2 The successor of 1 million is
  - (a) 2 million
- (b) 1000001
- (c) 100001
- (d) 10001
- The points O, U, S, V, R, X, W, T, P, Q and Y on the number line are equidistant. The fraction represented by length OP is



- (a)  $\frac{1}{5}$  (b)  $\frac{7}{5}$  (c)  $\frac{4}{5}$  (d)  $\frac{6}{5}$
- The two consecutive integers, between which the faction  $\frac{5}{7}$  lies, are
  - (a) 0 and 1
- (b) 5 and 7
- (c) 5 and 6
- (d) 6 and 7
- Which of the following is the smallest fraction?

- The HCF and LCM of two numbers are 6 and 864 respectively. If one number is 96, find the other numbers
  - (a) 84
- (b) 45
- (c) 54
- (d) 24
- The HCF of two numbers is 12 and their difference is 12. Which of the following can be the numbers?
  - (a) 84, 96
- (b) 66, 78
- (c) 70, 82
- (d) 62, 78
- Find the smallest number that is divisible by each one of 9, 12 and 15.
  - (a) 60
- (b) 90
- (c) 120 (d) 180

- A certain brand of soap-powder is sold at ₹ 15 per packet. It costs ₹ 144 a dozen. What is the profit in percent on 8 dozen packets?
  - (a) 20
- (b) 25
- (c) 24
- (d) 36
- 10. Find the greatest number that will divide 37, 56, 93 leaving remainder 1, 2 and 3 respectively.
- (b) 18
- (c) 15
- 11. If 10 men can do a piece of work in 4 days, how many men will be required to get the same work done in 5 days?
  - (a) 10
- (b) 8
- (c) 40
- (d) 12
- 12. 21 goats eat as much as 15 cows. How many goats eat as much as 35 cows?
  - (a) 38
- (b) 49
- (c) 37
- (d) 41
- 13. A mechanic earns ₹ 36,000 on 9 cars. How much will he earn in 1 day, if in a day he receives 27 cars
  - (a) ₹ 1,08,000
- (b) ₹ 1,80,000
- (c) ₹1,00,800
- (d) ₹ 1,00,080
- 14. If x : y = 3 : 5, find the ratio 3x + 4y : 8x + 5y.
  - (a) 39:49
- (b) 29:50
- (c) 29:49
- (d) 39:50
- 15. Find the value of m, if 3, 18, m, 42 are in proportion.
  - (a) 6

(b) 54

(c) 7

- (d) 252
- 16. In an NCC Camp, 1200 trainees are participating out of which 900 are selected for Republic Day Camp. What is the ratio between the number of selected and non-selected cadets?
  - (a) 300:120
- (b) 4:1
- (c) 3:1
- (d) 120:130
- 17. If a boy sells a book for ₹ 450, he makes a loss of 10%. To gain 10%, what should be the selling price?
  - (a) ₹ 500
- (b) ₹ 600
- (c) ₹550
- (d) ₹ 525

2, then of 20% and another speaker for ₹ 8,100 at a loss of 10%. Find his total loss or profit.  (a) Loss = ₹ 300 (b) Loss = ₹ 350 (c) Profit = ₹ 300 (d) Profit = ₹ 350  19. Simplify (8 + 4 - 2) × (17 - 12) × 10 - 89 =  (a) 3950 (b) 411 (c) 412 (d) 3949  20. Simplify 0.05 + 1.5 × 5 ÷ 10 × 0.5 =	ook a loan of ₹ 1,200 with simple for as many years as the rate of interest. aid ₹ 432 as interest at the end of the iod, what was the rate of interest?  (b) 6 (c) 18 (d) 10 the name of the angle formed when the ine is 7:15 pm.  Interest angle (b) Right angle interest (d) Straight
19. Simplify (8 + 4 - 2) × (17 - 12) × 10 - 89 =  (a) 3950 (b) 411 (c) 412 (d) 3949  20. Simplify 0.05 + 1.5 × 5 ÷ 10 × 0.5 =	(b) 280 (d) 2500 ook a loan of ₹ 1,200 with simple for as many years as the rate of interest. aid ₹ 432 as interest at the end of the iod, what was the rate of interest? (b) 6 (c) 18 (d) 10 the name of the angle formed when the ine is 7:15 pm. Interest (d) Straight angle the below shows the maximum tures in New York City last year. Use rmation in this table and answer the ine is 3:10 the average maximum temperature decimal places of three months May, and September last year in New York  Jan. Mar. May Jul. Sept. Nov.
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(c) 0.425 (d) 0.42 (a) 3.6  21. Simplify $7 + 5 - 2 \times (7 + 89) - 94 \div 2 + (33 \div 3)$ $+ 9 \times 2 - 7) \div 11 = $ (a) 254 (b) -225 (a) Ac (c) Ot (c) -235 (d) 245 (c) Ot (c) -235 (d) 245  22. The average weight of 20 boys in a class is 160 kg and that of the remaining 5 boys is 50 kg. Find the average weight of all the boys in the class.  (a) 138 kg (b) 183 kg (c) 140 kg (d) 150 kg  23. The average marks obtained by 7 students in a group is 226. If the marks obtained by six of them are 340, 180, 260, 56, 275 and 307 respectively, find the marks obtained by the seventh student.  (a) 160 (b) 162 (c) 163 (d) 164  24. A library has an average of 510 visitors on Sundays and 240 on other days. The average number of visitors in a month of 30 days starting with Sunday is  (a) 3. Write the clock that clock the cl	(b) 6 (c) 18 (d) 10 the name of the angle formed when the the is 7:15 pm. Interest angle (b) Right angle the the color of the below shows the maximum the theoretical in New York City last year. Use remation in this table and answer the interest of the average maximum temperature decimal places) of three months May, and September last year in New York  Jan. Mar. May Jul. Sept. Nov.
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seventh student.  (a) 160 (b) 162 (c) 163 (d) 164  24. A library has an average of 510 visitors on Sundays and 240 on other days. The average number of visitors in a month of 30 days starting with Sunday is  (a) 21  (b) 205 (c) 206 (d) 205  (c) 25  34. In the	3 9 21 29 24 11
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number of visitors in a month of 30 days starting (c) 25 with Sunday is 34. In the	
with Sunday is 34. In the	• • •
(1) 200 (1) 207 (1) 207 (1) 207	100 /
	norning, the temperature was – 10 °C
und it d	creased 3 degrees by the evening. What temperature in the evening?
	°C (b) -23°C
his average after the $17^{th}$ match. (c) $-1$	
() 26 () 27 () 20 () 20	gular garden is 185 m long and 220 m
26. Average of 1, 3, 5, 7, 9, 11, 13 is wide. I	has two roads in its centre of uniform
	f 4 m, one parallel to its length and the
	rallel to its breadth. Find the cost of
	g the roads at ₹ 1.25 per sq.m.
(a) $z = x$ (b) $2z = x$ (a) ₹ 3 (c) $z = 2x$ (d) $z = 3x$ (c) ₹ 4	
	010 (4) 70005
· · · · · · · · · · · · · · · · · ·	imeter is equal to
the same and the s	

37.	In Roman numeration, if a symbol is repeated, its value is not multiplied as many times as it		breakfast. How much timbe ready for school?		
	occurs. (a) True (b) False (c) Cannot say (d) Both are equal		(a) $\frac{3}{4}$ hour	(b) 1 hou	ur
38.	The angle subtended by the diameter of a semicircle on any point on the circle is		(c) $\frac{2}{4}$ hour	(d) $\frac{5}{4}$ ho	our
	(a) $45^{\circ}$ (b) $180^{\circ}$ (c) $90^{\circ}$ (d) $60^{\circ}$	46.	Which of the followin	g numbers	in Roman
39.	A big cube has each portion of 44 cm. Tiny cubes of 4 cm portion each are cut from that.		Numerals is incorrect?  (a) LXII	(b) XCI	
	Then how many tiny cubes will be formed that		(c) LC	(d) XLIV	V
	are surrounded by at least once cube?	47.	How many faces are the	re in a cubo	id?
1000	(a) 888 (b) 729 (c) 164 (d) 33		(a) 6 (b) 12	(c) 8	(d) 4
40.	A rectangular tank 15 cm long, 12 cm wide and	48.	A flat surface which ex	ends indefin	nitely in al
	8 cm high was completely filled with water. Find the volume of water in the tank.		directions is called a  (a) Plane	(b) Line	
	(a) 180 cm3 (b) 1200 cm3		(c) Line segment		
	(c) 440 cm <sup>3</sup> (d) 1440 cm <sup>3</sup>	49.	The difference between	04019 ensurements	
41.	Which option shows fractions arranged in ascending order?		angles is 10°. Calculate angles.	the values	of both the
	(a) $\frac{5}{8} < \frac{7}{12} < \frac{3}{4} < \frac{13}{16}$		(a) $55^{\circ}, 45^{\circ}$	(b) 40°,	50°
	8 12 4 16		(c) 50°, 60°		
	(b) $\frac{5}{8} < \frac{7}{12} < \frac{13}{16} < \frac{3}{4}$	50.	The total weight of b onion is 48.057 kg. If weight 5.35 kg and 24.5	brinjal and	lady-finger
	(c) $\frac{5}{8} < \frac{3}{4} < \frac{13}{16} < \frac{7}{12}$		the weight of onion.	d.) 10.10	0.7.1
	0 1 10 12		(a) 17.187 kg (c) 17.180 kg	(b) 18.18 (d) 18.18	
	(d) $\frac{7}{12} < \frac{5}{8} < \frac{3}{4} < \frac{13}{16}$		GENERAL KNO	7.7	
10	12 0 4 10	2407			
42.	What is the value of 945.341 – 1042.792 + 875.435 + 31.025 ?	51.	Which device is used to vehicles?		
	(a) 908.004 (b) 810.008 (c) 795.659 (d) 809.009		<ul><li>(a) Gravometer</li><li>(c) Gyroscope</li></ul>		
43.	A man on tour travels first 160 km at 64 km/hr	52.	From which monumen		
	and the next 160 km at 80 km/hr. The average	32.	National Emblem?	t did ilidit	adopt 1t.
	speed for the first 320 km of the tour is		(a) Kapilavastu	(b) Hast:	inapur
	(a) 35.55 km/hr (b) 36 km/hr (c) 71.11 km/hr (d) 71 km/hr		(c) Sarnath	(d) Panij	
44	On dividing 2272 as well as 875 by a 3-digit	53.	In which of the following	The state of the s	
	number N, we get the same reminder. The sum		story/theme always tak and Ramayana?	en from IV.	lanaonarata
	of the digits of N is		(a) Mohiniattam	(b) Odis	si
	(a) 10 (b) 11		(c) Bharatanatyam	(d) Kuch	nipudi
	(c) 12 (d) 13	54.	Arrange the months b		
45.	It takes Julie $\frac{1}{2}$ hour to wash, comb her hair		Calender (Saka Era) in a-Chaitra b-Vaishakha c		
	and put on her clothes and $\frac{1}{4}$ hour to have her		(a) abcd	(b) bcda	
	4		(c) dacb	(d) cdab	

55.	Which one of the following is a combat aircraft?  (a) Tejas		<ul><li>(c) Walk straight</li><li>(d) Walk sideways</li></ul>
	(b) Dhruv (c) Boeing C-17 Globemaster	66.	Name an astronomical observatory built in the 18th century by Rajput King Sawai Jai Singh of
56	(d) Chetak Which of the following cups/trophies is		Rajasthan.
30.	associated with football?		(a) Red Fort (b) Qutab Minar (c) Jantar Mantar (d) Taj Mahal
	(a) Davis Cup	67.	30 304 304 304 304 304 304 304 304
	(b) Champions Trophy	07.	etc.
	(c) Santosh Trophy		(a) Atmosphere (b) Biosphere
	(d) Deodhar Trophy		(c) Hemisphere (d) Geosphere
57.	How do ants recognize ants from their group?	68.	The remains of plants and animals that were
	(a) By colour (b) By face		buried millions of years ago are known as
50	(c) By smell (d) By Height		(a) potential reserves (b) fossil fuels
38.	Which of the following is domesticated in	<b>CO</b>	(c) biomass fuel (d) animate power
	poultry farms? (a) Goat (b) Sheep	69.	Rasgulla is a popular sweet of  (a) West Bengal
	(c) Hen (d) Horses		(a) West Bengai (b) Punjab
59.	The cover the tongue and react to		(c) Kerala
	chemicals in food.		(d) Himachal Pradesh
	(a) Taste Buds (b) Sphincters	70.	Which of the following is a tribal community of
	(c) Teeth (d) Skin		India?
60.	What does freezing do when preserving foods?		(a) Pandit (b) Jaat
	(a) Keeps the foods product hard		(c) Bhil (d) Punjabi
	(b) Keeps the flavours of the food fresh	71.	Clouds are mostly made of
	<ul><li>(c) Stops growth of micro-organisms</li><li>(d) None of the above</li></ul>		(a) snow (b) dust
61	Seeds of drumstick and maple are carried over	72	(c) water droplets (d) smog
01.	long distances by wind because they possess.	12.	For which of the following works has Vasdev Mahi been awarded the 29th Saraswati
	(a) winged seeds		Samman?
	(b) large and hairy seeds.		(a) Lost Children Archive
	(c) long and ridged fruits.		(b) Chequebook
	(d) spiny seeds		(c) The Stranger Diaries
62.	is a traditional rainwater harvesting		(d) A Song for a New Day
	technique of Rajasthan.	73.	Who was the fist Indian to be the President of
	(a) Taanka (b) Khadin		U.N. General Assembly?
(2	(c) Bavadi (d) Kuan		(a) Natwar Singh
63.	Which of the following will dissolve in water? (a) Soil (b) Chalk Powder		<ul><li>(b) V.K. Krishna Menon</li><li>(c) Smt. Vijaya Lakshmi Pandit</li></ul>
	(c) Sugar (d) Oil		(d) Smt. Indira Gandhi
64.	Which of the following is a communicable	74.	In which of the following parts of the human
	disease?		body are sweat glands absent?
	(a) Diabetes (b) Chicken pox		(a) Scalp (b) Armpits
	(c) Alzheimer's (d) Cancer		(c) Lips (d) Palms
65.	To climb the mountains, we have to	75.	What do we call the young one of a Kangaroo?
	(a) Bend forward		(a) Foal (b) Colt
	(b) Bend backwards		(c) Joey (d) Cub

#### LANGUAGE

**Direction**: Read the following passage and answer the auestions.

#### **Zeus and Prometheus**

From the very first, humans had trouble with the Greek Gods. Most Gods thought of humans as toys. But Gods made friends with the humans. One of those Gods was Prometheus. The first people created by the Gods lived happily together. They thought the Gods were wonderful. But their children were not as grateful or as content. The children argued among themselves, and sometimes even argued with the Gods. Zeus was very disappointed at mankind. He decided to punish mankind by depriving them of a very important tool - fire. Prometheus felt sorry for his human friends. Fire was important for many things such as heat and cooking. Prometheus stole a lighting bolt from Zeus and gave it to mankind. That's when man discovered fire.

Zeus was furious as Prometheus had defied Zeus. He ordered Prometheus be chained to a rock as punishment for stealing his lightning bolt, and for going behind his back to help the humans. To make Prometheus even more miserable, Zeus sent storms to beat angry waves against Prometheus, helplessly chained to his rock. Zeus made the sun shine really brightly now and then to burn his skin. It was Hercules who finally released that helpless God from his chains.

- 76. Which of the following statements is not true about Zeus and Prometheus?
  - (a) Most Greek Gods saw humans as a means of their entertainment.
  - (b) Prometheus was chained to a rock as he was a God.
  - (c) Zeus was an unforgiving God who did not like to be disobeyed.
  - (d) Hercules emerged as the saviour of Prometheus.
- 77. Why was Zeus angry and disappointed at humans?
  - (a) They kept asking him for fire.
  - (b) The humans misused his lightning bolt.
  - (c) The humans were quarrelsome and didn't respect the Gods.
  - (d) The humans were not intelligent enough to discover fire.

- 78. What is the meaning of the underlined word: 'Proetheus had defied Zeus'?
  - (a) Prometheus had worshipped Zeus all his life.
  - (b) Prometheus had defamed Zeus.
  - (c) Prometheus detested Zeus for his attitude.
  - (d) Prometheus had disregarded the authority

	(4)	- C7	510541	are the difficulty
T2:11	: e1	of Zeus.		
		e blanks with the mo		
19.		news is all		
	(a)		(0)	through
00		over		never
80.		studied about	K	oman Empire in
	sch		(h)	000
	(a)	the	(b)	no article
0.1	170			
81.	Col	ere was no one els	e in t	ne room
		accept	(h)	avaant
		accept		except accept
Dog	(C)	ge the following	(u)	accept rds/phrasas to
mal	za m	eaningful sentence	g wo	oose the correct
	ienc		э. Сп	oose the correct
-		sun (A) / you (B) /	of (C)	/ must (D) / stay
02.	out	(E)		
	(2)	ECADB	(h)	ARCDE
	(c)	ECADB BDECA	(4)	DECAB
83	T (A	A) / immediately (B)	/ cala	ry (C) / my (D) /
05.		it (E)	/ Sara	ly (C) / my (D) /
			(b)	AEDCB
	2	DCAEB		EADCB
8/1		as directed:	(4)	EMBCB
04.		ere are some <u>disea</u>	ses th	at are inherited
		entify the kind of No		iat are innerited.
		'diseases' is a prop		n
		'diseases' is an abs		
		'diseases' is a colle		
		'diseases' is a com		
85.		er school you and		
	few	things. (Choose the	correc	et pronoun)
		him (b) me		
86.		s quite warm,		
00.	Tag			(cov a Queonon
	(2)	ic it	(b)	wasn't it
	(c)	isn't it	(d)	was it
87.		ve your bags at the		
		entence)	3	,

(b) Declarative

(d) Exclamatory

(a) Imperative

(c) Interrogative

88.	Near the equator, the sun greater quantities of water. (Choose the correct form of the verb)	<ul><li>(c) to come to the main point of the conversation.</li><li>(d) to start a fire in the forest.</li></ul>
	(a) is evaporating (b) evaporates	100. My father is a bookworm, he books to
89.	1 5	films and sports. (a) is prefer (b) prefer
	(a) appartment (b) aparttment	(c) prefers (d) are prefer
00	(c) apartment (d) apartmant	INTELLIGENCE TEST
90.	Today is the day of my life. (Choose the correct adjective)	101 What comes most in the circum comics ?
	(a) more important (b) less important	101. What comes next in the given series? A, C, F, H, K, M,
	(c) important (d) most important	(a) N (b) Y (c) P (d) M
91.	Poets are known to fly in their thoughts. (Choose	102. Rahul started walking straight towards East. He
	the word nearest in meaning to the underlined	walks a certain distance and then turns towards
	ward) (a) sore (b) sour	his right and walks again. In which direction is
	(a) sore (b) sour (c) soar (d) sure	he heading now?
92	Choose the most appropriate option:	(a) North (b) East (c) South (d) West
	Which of the following options is the meaning	103. From the given options, choose the odd one out.
	of the word 'exhausted'?	(a) Bangladesh: Taka
	(a) Very hot (b) Very polluted	(b) Brazil: Real
	(c) Very fresh (d) Very tired	(c) Cyprus : Dollar
93.	A confectioner is a person who	(d) Iran: Rial
	(a) sells tools (b) sells confetti (c) sells sweets (d) sells clothes	104. Tanya is older than Eric.
0.4		Cliff is older than Tanya.
94.	The captain along with the players.  (a) was present	Eric is older than Cliff.
	(b) was presenting	If the first two statements are true, the third
	(c) have been presenting	statement is (a) True (b) False
	(d) has been presenting	<ul><li>(a) True</li><li>(b) False</li><li>(c) Uncertain</li><li>(d) None of these</li></ul>
95.	Choose the word that means the opposite of MORTAL.	105. What will come at the place of the question
	(a) Unmortal (b) Immortal	mark?
	(c) Inmortal (d) Dismortal	10, 100, 200, 310, ?
96.	A of thieves was caught by the Police.	(a) 420 (b) 410 (c) 430 (d) 400
	(a) swarm (b) pack	106. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then how is A related to D?
	(c) team (d) batch	(a) Grandfather (b) Grandmother
97.	It has become his habit to do his	(c) Daughter (d) Grand-daughter
	homework and then copy it from others.	107. In a certain code language, COMPUTER is
	(a) always (b) often	written as RFUVQNPC. How will MEDICINE
00	(c) frequently (d) never There were several at the conference.	be written in that code language?
98.	There were several at the conference.  (a) women (b) woman	(a) MFEDJJOE (b) EOJDEJFM
	(c) wemens (d) womans	(c) MFEJDJOE (d) EOJDJEFM
99.	'To beat around the bush' means	108. If South-East becomes North, North-East
	(a) to turn violent against a stranger.	becomes West and so on, what will West
	(b) to avoid saying something because it is	become? (a) North-East (b) North-West
	uncomfortable.	(c) South-East (d) South-West

109. In a class of 45 students, Amir's rank from the top is 16th. Ashok is 6 ranks below Amir. What is Ashok's rank from the bottom?  (a) 23rd (b) 32nd (c) 24th (d) 30th	(a) (b) (c)
110. Which one set of letters when sequentially placed at the gaps in the given letters series shall complete it?  _ab_b_abaabab. (a) abbaa (b) bbaab (c) abaab (d) aaaba	(c) (d) 120. A man walks 6 km south, turns left and walks 4 km, again turns left and walks 5 km. Which direction is he facing now?
111. Look at this series: 2, 1, (1/2), (1/4), What	(a) South (b) North
number should come next?	(c) East (d) West
(a) 1/3 (b) 1/8	121. Which letter replaces the question mark?
(c) 2/8 (d) 1/16	$\langle E \rangle \langle M \rangle \langle H \rangle$
112. Choose the correct alternative that has the same	
relation.	
SCD, TEF, UGH,, WKL	$\langle N \rangle \langle O \rangle \langle A \rangle$
(a) CMN (b) UJI (c) VIJ (d) IJT	
113. If 'WAY' is coded as 679, 'MAY' is coded as	
579, then 'YAW' will be coded as. (a) 976 (b) 769 (c) 679 (d) 579	$\langle 1 \rangle \langle ? \rangle \langle D \rangle$
114. If '+' means "Minus", '-' means "Multiply", '×'	
means "Add", then what is the value of $10 \times 5 +$	(a) N (b) O (c) P (d) M
3-2?	122. The priest told the devotee, "The bell rings at
(a) 24 (b) 52 (c) 9 (d) 10	regular intervals of 45 minutes. The last bell
115. mend : sewing :: edit :	rang 5 minutes ago. The next bell is due to be
(a) darn (b) repair	rung at 7:45 am." At what time did the priest
(c) manuscript (d) makeshift	give this information to the devotee?
116. Fill in the Blank	(a) 6:55 am (b) 7:00 am (c) 7:05 am (d) 7:40 am
Rein: horse:: control panel:	
(a) pilot (b) bit	123. How many triangles are there in the figure given below?
(c) plane (d) rider	below:
117. Choose the word which is least like the words in	
the group. (a) MS Paint (b) Facebook	
(c) WhatsApp (d) Twitter	
118. Choose the word that is a necessary part of the	
underlined word.	(a) 4 (b) 12 (c) 16 (d) 10
Guitar	124. In a code, 'BOMBAY' is coded as 'CNNABX',
(a) Band (b) Teacher	then what will be the #code# of 'DELHI'?
(c) Songs (d) Strings	(a) EDMJG (b) GMDEJ
119.	(c) DEGMJ (d) EDMGJ
	125. Fill in the blank.
( ) : (( )) ::     :  ?	Segregate: unify:: repair:
	(a) approach (b) push
Completer the second pair by selecting the	(c) damage (d) outwit
appropriate alternative.	

## Solutions

### MATHEMATICS

- 1. (c) The whole numbers are closed under multiplication.
- 2. (b) 1 million = 1,000,000 Successor of 1 million = 1,000,000 + 1 = 1,000,001
- 3. (\*) x is at 1. y is at 2.

XW, WT, TP, PQ, QY is 5 equal parts from 1 to 2.

Each part = 
$$\frac{(2-1)}{5} = \frac{1}{5}$$
.

From O to P.

OU, US, SV, VR, RX, XW, WT, TP.

8 equal parts, hence OP = 
$$8\left(\frac{1}{5}\right) = \frac{8}{5}$$
.

The fraction represented by length OP is  $\frac{8}{5}$ .

4. (a)  $\frac{5}{7} = 0.71$ 

So, the two consecutive integers, between the

fraction  $\frac{5}{7}$  lies, are "0 and 1".

- 5. (a)  $\frac{4}{5} = 0.8$   $\frac{5}{3} = 1.66$ 
  - $\frac{5}{6} = 0.83$   $\frac{5}{2} = 2.5$

So, smallest fraction is " $\frac{4}{5}$ ".

6. (c) HCF = 6

LCM=864

One number = 96

Second number =?

Let, the second number is x.

 $LCM \times HCF = First\ number \times Second\ number$ 

$$\Rightarrow$$
 864 × 6 = 96 ×  $x$ 

$$\Rightarrow x = \frac{864 \times 6}{96} \Rightarrow x = 54.$$

7. (a) Given that the HCF of two numbers is 12 and their difference is 12.

Let the two numbers are x and y.

Since the HCF of x and y is 12.

So, x = 12a and y = 12b, where a and b are prime to each other.

Also, the difference of x and y is 12.

$$\therefore x - y = 12$$

$$\Rightarrow 12a - 12b = 12$$

$$\Rightarrow 12(a-b)=12$$

Both sides dividing by 12.

$$a-b=1$$

a and b are consecutive to each other and also are prime to each other.

Now we will check by the options.

Option (1),

Let x = 96 and y = 84

$$x - y = 96 - 84$$

$$x - y = 12$$
 ...(1)

Hence, the difference of two numbers is 12 and also the HCF of the two numbers is 12.

Now we will check whether the values satisfy the equation or not.

By dividing x and y by 12 and then subtracting

$$\frac{y}{12}$$
 from  $\frac{x}{12}$ ,

we get 
$$\frac{x}{12} - \frac{y}{12} = \frac{96}{12} - \frac{84}{12} = 8 - 7 = 1$$

$$\therefore x - y = 1$$

Hence, option (1) is correct.

3. (d) LCM of 9, 12 and 15

3	9,	12,	15
3	3	4	5
4	1	4	5
5	1	1	5
	1	1	1

$$=3\times3\times4\times5=180.$$

So, smallest number that is divisible by 9, 12 and 15 is 180.

- 9. (b) Cost price of one dozen soap powder = ₹144
  ∴ Cost price of 8 dozen soap powder
  - =₹144×8=₹1152

Selling price of one soap powder packet = ₹15

Selling price of one dozen soap-powder packet =₹15 × 12 =₹180.

Selling price of 8 dozen soap-powder packet =₹180 × 8 =₹1440

Profit on 8 dozen soap-powder = 1440 - 1152=₹288.

Profit percentage

$$=\frac{\text{Profit}}{\text{Cost Price}} \times 100 = \frac{288}{1152} \times 100 = 25\%.$$

(b) To find the greatest number that will divide 37, 56, 93 leaving remainder 1, 2 and 3 respectively we should find the HCF of

$$37 - 1 = 36$$
,  $56 - 2 = 54$  and  $93 - 3 = 90$ 

The factors of

36 = 1, 2, 3, 4, 6, 9, 12, 18, 36

$$54 = 1, 2, 3, 6, 9, 18, 27, 54$$

So, HCF is 18.

:. The greatest number is 18.

11. (b)  $M_1 = 10 \,\mathrm{men}$ 

$$D_{\cdot} = 4^{\circ} \text{days}$$

$$D_1 = 4 \text{ days}$$

$$D_2 = 5 \text{ days}$$

$$M_2 = ?$$

$$\tilde{M_2} = ?$$

Let x men will be required.

Then, 
$$M_1 \times D_1 = M_2 \times D_2$$

$$\Rightarrow 10 \times 4 = x \times 5$$

$$\Rightarrow x = \frac{10 \times 4}{5} = 8 \text{ men.}$$

So, "8" men will be required.

12. (b) 15 cows = 21 goats

$$1 \text{ cow} = \frac{21}{15} \text{ goats}$$

$$35 \text{ cows} = \frac{21}{15} \times 35 = 49 \text{ goats}$$

So, 49 goats eat as much as 35 cows.

(a) A mechanic earns on 9 cars = 36,000A mechanic earns on 1 car

$$=\frac{36000}{9}=74000$$

A mechanic earns on 27 cars =  $4000 \times 27$ =₹1.08.000.

So, he will receive in 1 day =  $\mathbf{\xi}$ 1,08,000.

14. (c) x:y=3:5

Or, 
$$\frac{x}{v} = \frac{3K}{5K}$$

So, 
$$x = 3K$$
,  $v = 5K$ 

$$3x + 4y : 8x + 5y$$

Putting the values of x and y.

$$3\times 3K + 4\times 5K : 8\times 3K + 5\times 5K$$

$$\Rightarrow$$
 9K + 20K : 24K + 25K

$$\Rightarrow 29K : 49K$$

 $\therefore$  Required ratio = 29:49.

15. (c) If 3, 18, *m*, 42 are in proportion.

Then, 
$$\frac{3}{18} = \frac{m}{42}$$

$$\Rightarrow \frac{1}{6} = \frac{m}{42} \Rightarrow m = \frac{42}{6}$$

So, m=7.

16. (c) Total trainees in NCC camp = 1200 Selected for Republic Day camp = 900

Not selected = 1200 - 900 = 300.

The ratio between the number of selected and non-selected candidates

$$=900:300=3:1.$$

(c) Let the cost price of the book =  $\mathbb{Z}x$ . Selling Price of the book = ₹450.

Loss percentage = 10%

$$\therefore$$
 CP × 90% = SP

$$\Rightarrow x \times \frac{90}{100} = 450$$

$$\Rightarrow r = ₹500$$

To gain 10% profit, the selling price should be 110% of CP

$$=500 \times \frac{110}{100} = ₹550.$$

(d) Selling price of first speaker = ₹7,500 18.

Profit percentage = 20%

.. Cost price of first speaker

$$=\frac{7500}{120}\times100=\text{$^{\circ}$6250}.$$

Selling price of second speaker = ₹8100.

Loss percentage = 10%

.. Cost price of second speaker

$$=\frac{8100\times100}{90}=79000$$

Cost price of both the speakers

=6250+9000=₹15250.

Selling price of both the speakers

=8100 + 7500 =₹15600.

Profit = 15600 - 15250 = ₹350.

19. (b) 
$$(8+4-2)\times(17-12)\times10-89=?$$

$$\Rightarrow$$
 (10)  $\times$  (5)  $\times$  10  $-$  89  $=$  ?

$$\Rightarrow$$
 50 × 10 – 89 = ?

$$\Rightarrow$$
 500 – 89 = ?  $\Rightarrow$  ? = 411.

20. (c) 
$$0.05+1.5\times5\div10\times0.5=?$$

$$\Rightarrow 0.05 + 1.5 \times \frac{5}{10} \times 0.5 = ?$$

$$\Rightarrow 0.05 + 1.5 \times \frac{1}{2} \times 0.5 = ?$$

$$\Rightarrow 0.05 + \frac{.75}{2} = ?$$

$$\Rightarrow 0.05 + 0.375 = ? \Rightarrow ? = 0.425.$$

$$\Rightarrow 0.05 + 0.375 = ? \Rightarrow ? = 0.425.$$
21. (b)  $7 + 5 - 2 \times (7 + 89) - 94 \div 2$ 

$$+(33 \div 3 + 9 \times 2 - 7) \div 11 = ?$$

$$\Rightarrow 12 - 2 \times (96) - 47 + (11 + 18 - 7) \div 11 = ?$$

$$\Rightarrow$$
 12 - 192 - 47 + (22)  $\div$  11 = ?

$$\Rightarrow$$
 12 - 192 - 47 + 2 = ?

$$\Rightarrow$$
 14 - 239 = ?  $\Rightarrow$  ? = -225.

22. (a) The average weight of 20 boys = 
$$160 \text{ Kg}$$
.

Total weight of 20 boys =  $20 \times 160 = 3200$  Kg.

The weight of remaining 5 boys

$$= 50 \times 5 = 250 \text{ Kg}.$$

Total weight of 25 boys = 3200 + 250 = 3450 Kg.

Average weight of all 25 boys

$$=\frac{3450}{25}=138 \text{ Kg}.$$

Total marks obtained by 7 students

$$=226 \times 7 = 1582$$

The sum of six students' marks

$$= 340 + 180 + 260 + 56 + 275 + 307 = 1418.$$

Marks obtained by 7th student

$$=1582-1418=164.$$

# 24. (b) If a month starting with Sunday, then there will be 5 Sundays.

Average visitors on Sunday = 510

Total visitors in 5 Sundays =  $510 \times 5 = 2550$ 

Average visitors on other days = 240

Total visitors in on other days

$$= 240 \times (30 - 5) = 240 \times 25 = 6000.$$

The average number of visitors in a month

$$=\frac{6000+2550}{30}=\frac{8550}{30}=285.$$

$$16 \times x + 87 = 17(x+3)$$

$$\Rightarrow 16x + 87 = 17x + 51$$

$$\Rightarrow$$
 17 $x$  – 16 $x$  = 87 – 51  $\Rightarrow$   $x$  = 36

$$\therefore$$
 His average after 17th match =  $(x+3)$  =  $36+3=39$ .

$$=\frac{1+3+5+7+9+11+13}{7}=\frac{49}{7}=7.$$

27. (c) 
$$x\% \text{ of } v = 100$$

$$\Rightarrow y \times \frac{x}{100} = 100$$

$$\Rightarrow \frac{y}{100} = \frac{100}{x} \qquad \dots (1)$$

$$v\% \text{ of } z = 200$$

$$z \times \frac{y}{100} = 200$$
 ...(2)

Put the value of 
$$\left(\frac{y}{100}\right)$$
 in eqn. (2) from the eqn. (1)

$$z \times \left(\frac{100}{r}\right) = 200$$

$$\Rightarrow \frac{z}{x} = 2 \Rightarrow z = 2x.$$

# 28. (c) Let the number is 'a'. According to the question -

$$a \times \frac{1}{4} \times \frac{1}{3} \times \frac{2}{5} = 15$$

$$\Rightarrow a = 15 \times 30 = 450.$$

Now, 40% of the number 
$$=\frac{450 \times 40}{100} = 180$$
.

### 9. (b) Let the number is 'a'.

According to the question :

$$40 \times 15\% = a \times \frac{25}{100} + 2$$

$$\Rightarrow 40 \times \frac{15}{100} = a \times \frac{1}{4} + 2$$

$$\Rightarrow$$
 6 =  $\frac{a}{4}$  + 2  $\Rightarrow$   $\frac{a}{4}$  = 6 - 2

$$\Rightarrow \frac{a}{4} = 4 \Rightarrow a = 16.$$

30. (c) Area of rectangular playground = 700 sq. m. Breadth of rectangular playground = 25 m. Let the length of rectangular playground = 1 m. Area of rectangle = Length × Breadth

$$\Rightarrow$$
 700 =  $l \times 25$ 

$$\Rightarrow l = \frac{700}{25} = 28 \text{ m}.$$

$$\Rightarrow l = 28 \times 100 = 2800 \text{ cm} \quad (\because 1 \text{ m} = 100 \text{ cm})$$

31. (b) Principal amount = ₹1200.

Interest = ₹432.

Let the rate of interest is r; then time period = r.

Simple interest = 
$$\frac{\text{Principal} \times \text{rate} \times \text{time}}{100}$$

$$\Rightarrow 432 = \frac{1200 \times r \times r}{100}$$

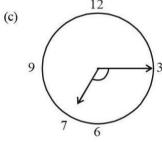
$$\Rightarrow r^2 = \frac{432}{12} = 36$$

$$\Rightarrow r^2 = 36 \Rightarrow r = \sqrt{36}$$

 $\therefore r = 6.$ 

 $\therefore$  Rate of interest = 6%.

32.



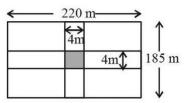
Obtuse angle will be formed.

33. (b) The maximum temperature of May, July and September in New York City last year = 21°C, 29°C and 24°C

Average maximum temperature in these months last year

$$=\frac{21+29+24}{3}=\frac{74}{3}=24.66^{\circ}C$$

- 34. (a) In the morning, temperature = −10°C In the evening, temperature = −7°C (: If decreases 3° by the evening)
- 35. (d) Length of rectangular garden = 185 m Breadth of rectangular garden = 220 m



Area of road parallel to its breadth

 $= 220 \times 4 = 880 \,\mathrm{m}^2$ 

Area of road parallel to its length

 $= 185 \times 4 = 740 \,\mathrm{m}^2$ 

Common area of road =  $4 \times 4 = 16 \text{ m}^2$ 

:. Total area of road = 
$$(880 + 740) - 16$$

$$= 1620 - 16 = 1604 \,\mathrm{m}^2$$

Cost of levelling the road = ₹1.25 per sq. m. Total cost of levelling the road =  $1604 \times 1.25$  = ₹2005.

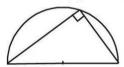
36. (a) 1 decimeter = 10 cm or 0.1 m.

$$\therefore$$
 1 decimeter =  $\frac{1}{10}$  m =  $1 \times 10^{-1}$  m.

37. (b) It is a false statement.

In roman numeration, if a symbol is repeated, its value is added as many times as it occurs.

38. (c) The angle subtended by the diameter of a semicircle on any point on the circle is 90°.



39. (b) Length of each portion of big cube = 44 cm Length of each portion of tiny cube = 4 cm

Total length is divided into  $=\frac{44}{4} = 11$  parts

So, 
$$x + 2 = 11$$

$$\Rightarrow x = 11 - 2 = 9$$
 cm.

.. The number of cubes will be formed such that each face of these cubes is surrounded by other cubes is

$$(x)^3 = (9)^3 = 729.$$

- 40. (d) Length of rectangular tank = 15 cm
  Breadth of rectangular tank = 12 cm
  Height of rectangular tank = 8 cm
  Volume of rectangular tank
  = Length × Breadth × Height
  = 15 × 12 × 8 = 120 × 12 = 1440 cm<sup>3</sup>.
- 41. (d)  $\frac{5}{8}$ ,  $\frac{7}{12}$ ,  $\frac{3}{4}$  and  $\frac{13}{16}$ LCM of 8, 12, 4 and 16=

4	4	8	12	16
2	1	2	3	4
3	1	1	3	2
2	1	1	1	2
	1	1	1	1

$$=4\times2\times3\times2=48$$
.

$$\frac{5}{8} \times 48 = 30$$

$$\frac{7}{12} \times 48 = 28$$

$$\frac{3}{4} \times 48 = 36$$

$$\frac{13}{16} \times 48 = 39.$$

So, ascending order of fractions is

$$\frac{7}{12} < \frac{5}{8} < \frac{3}{4} < \frac{13}{16}$$
.

- 42. (d) 945.341−1042.792+875.435+31.025=? ⇒1851.801−1042.792 = ? ∴? = 809.009.
- 43. (c) First distance = 160 Km First speed = 64 Km/h.

Time = 
$$\frac{\text{Distance}}{\text{Speed}} = \frac{160}{64} = 2.5 \text{ hr.}$$

Second distance = 160 Km. Second speed = 80 Km/h.

Time = 
$$\frac{\text{Distance}}{\text{Speed}} = \frac{160}{80} = 2 \text{ hr.}$$

Total distance = 320 Km. Total time = 2.5 + 2 = 4.5 hr. Average speed of the tour

$$=\frac{320}{4.5}=71.11$$
 Km/hr.

- 44. (a) On dividing 2272 as well as 875 by 3-digit number N, we get the same remainder.
  Clearly 2272 875 = 1397, is divisible by N.
  Now, Factors of 1397 = 11 × 127
  So, required 3-digit number is 127.
  And the sum of 3-digit number = 1 + 2 + 7 = 10.
- 45. (a) Julia takes to wash, comb and put on her clothes  $=\frac{1}{2}$  hour.

Julia takes to have her breakfast  $=\frac{1}{4}$  hour.

Required time for Julia to be ready for school

$$=\frac{1}{2}+\frac{1}{4}=\frac{2+1}{4}=\frac{3}{4}$$
 hour.

- 46. (c) LXII=62 XCI=91 XLIV=44 So, LC is incorrect.
- 47. (a) A cuboid has 6 faces.
- 48. (a) A flat surface which extends indefinitely in all directions is called 'Plane'.
- (b) Let both the angles are a and b.
   If two angles make 90° angle then they are called complementary.

Then, 
$$a+b=90$$
  
and  $a-b=10$  (given)  
By adding:  $2a=100 \Rightarrow a=50^{\circ}$   
By subtracting:  $2b=80 \Rightarrow b=40^{\circ}$ .

50. (b) Total weight of Brinjal, Lady-finger and Onion = 48.057 Kg.
 Weight of Brinjal = 5.35 Kg.
 Weight of Lady-finger = 24.52 Kg.
 Weight of Onion = 48.057 - (5.35 + 24.52)
 = 48.057 - 29.87 = 18.187 Kg.

### GENERAL KNOWLEDGE

- 51. (b) Speedometer *is a* instrument that indicates the speed of a vehicle, usually combined with a device known as an odometer that records the distance travelled.
- 52. (c) The national emblem of India is an adaptation of the Lion Capital atop the Ashoka Pillar of Sarnath, Uttar Pradesh.
- 53. (c) Bharatanatyam is the dance form in which the themes are taken from Ramayana and Mahabharata. It is a genre of Indian classical dance. Bharatanatyam was originated in Tamil Nadu.
- 54. (a) Saka Samvat has been adopted as an official civil calendar by India. Saka Samvat starts from 78 AD, The months in the Saka Samvata are Chaitra, Vaisâkha, Jyçshtha,
  - Âshâdha, Shrâvana, Bhâdra, Âshwin, Kârtika, Agrahâyana, Pausha, Mâgha and Phâlguna respectively. Hence (1) is the correct answer.
- 55. (a) Combat aircraft are designed to destroy enemy equipment using their own aircraft ordnance. Combat aircraft are typically developed and procured only by military forces. Tejas, MIG 21, MIG 29, Sukhoi Su-30, Dassault Rafale, Mirage 2000, SEPECAT Jaguar are combat aircrafts in India.

- 56. (c) Santosh Trophy is associated Football. It is an Indian football tournament in which the states of the country along with some government institutions participate. Davis Cup is associated with Lawn Tennis, 'Champion Trophy' with hockey while the Deodhar Trophy is associated with the game of cricket.
- 57. (c) Every ant of a constant group has a different claw and characteristics smell. So by this they can recognize the ants from their group.
- 58. (c) Poultry farming is the form of animal husbandry which raises domesticated birds such as Hens, ducks, turkeys and geese to produce meat or eggs for food.
- 59. (a) Taste buds are sensory organs that are found on your tongue and allow you to experience tastes that are sweet, salty, sour, and bitter.
- 60. (c) Freezing delays spoilage and keeps foods safe by preventing microorganisms from growing and by slowing down the enzyme activity that causes food to spoil.
- 61. (a) Various seeds and fruits have some special feature due to which they are carried away in a particular way (by wind, water or animal). Seeds of drumstick and maple have wings which help them to be easily carried away by wind.
- 62. (a) A taanka, are also known as a tanka or kunds, is a traditional rainwater harvesting technique, common to the Thar desert region of Rajasthan, India.
- 63. (c) Salt and Sugar are soluble substances. Soluble substances are those which disappear when mixed with water while Insoluble substances are those which don't disappear or dissolve when mixed with water. Eg: sand, chalk, sawdust etc.
- 64. (b) Communicable diseases spread from one person to another or from an animal to a person. The spread often happens via airborne viruses or bacteria, but also through blood or other bodily fluid.
  - Non-communicable diseases (NCDs) include a range of chronic conditions, including cancer, diabetes, cardiovascular disease, hypertension, as well as Alzheimer's and other dementias. Chickenpox is a highly contagious disease caused by the varicella-zoster virus (VZV). The virus spreads mainly through close contact with someone who has chickenpox.

- (a) To climb the mountains we have to bend forward.
- 66. (c) Jantarmantar was built in 1724 by Maharaja Jai Singh II of Jaipur, it is among the five observatories, the biggest one located in <u>Jaipur</u>. The rest are in Ujjain, Varanasi and Mathura.
- 67. (d) The geosphere is the part of the planet composed of rock and minerals; it includes the solid crust, the molten mantle and the liquid and solid parts of the earth's core.
- 68. (b) Fossil fuels are made from decomposing plants and animals. These fuels are found in the Earth's crust and contain carbon and hydrogen, which can be burned for energy. Coal, oil, and natural gas are examples of fossil fuels.
- 69. (a) Rasgulla is a popular bengali sweet made of milk and sugar. It is made from ball-shaped dumplings of chhena (an Indian cottage cheese) and semolina dough, cooked in light syrup made of sugar.
- 70. (c) Bhils are one of the tribal community of India. A large number of Bhils live in the neighbouring States of Maharashtra, Gujarat and Rajasthan. They constitute the third largest tribe of India.
- 71. (c) A cloud is made of water drops or ice crystals floating in the sky. The drops of water are too small to see. They have turned into a gas called water vapor. As the water vapor goes higher in the sky, the air gets cooler. The cooler air causes the water droplets to start to stick to things like bits of dust, ice or sea salt.
- 72. (b) Sindhi writer Vasdev Mohi conferred with 29th Saraswati Samman. He has been selected for this prestigious literary award for his short stories collection- Chequebook.
- 73. (c) Vijaya Lakshmi Pandit was the first female elected to 6th Governor of Maharashtra and 8th President of the United Nations General Assembly.
- 74. (c) Sweat glands are absent in the vermillion border of the lips, external ear canal, nail beds, clitoris and labia minora. The inability to sweat can cause overheating. It can affect the entire body.
- 75. (c) The young of a kangaroo is called a joey. Female kangaroos sport a pouch on their belly, made by a fold in the skin, to cradle baby kangaroos called joeys.

### LANGUAGE

76. (d) Option (a) is correct as it is mentioned that most Gods thought of human as toys but Gods made friends with humans. In other words, it can be said that the Gods treated humans as their 'entertainment'.

Option (b) is wrong. However, it is mentioned that 'Prometheus was chained to a rock as punishment' but not because he was a God.

Option (c) is correct as per the information as given in the passage. There is no direct mention about Zeus being an unforgiving God who did not like to be disobeyed. But it is written in the second paragraph that Zeus was furious because Prometheus had defied him. So that justifies the fact given in option (c).

Option (d) also stands correct as per the information given in the passage.

Read the last line of the given passage, 'It was Hercules who finally released the helpless God from his chains.'

Hence, option (b) is not true about Zeus and Prometheus.

77. (c) Read the lines of first paragraph, 'The first people created by the Gods lived happily together. They thought the Gods were wonderful. But their children were not as grateful or as content. The children argued among themselves, and sometimes even argued with the Gods. Zeus was disappointed at mankind.'

Hence, option (c) is the reason that Zeus was angry and disappointed at humans.

78. (d) The meaning of the underlined word: 'Prometheus had defied Zeus.' is that Prometheus had disregarded the authority of Zeus. For clarification, read the lines of first paragraph, 'Zeus was very disappointed at mankind. He decided to punish mankind by depriving them of a very important tool-fire. Prometheus felt sorry for his human friends. Fire was important for many things such as heat and cooking. Prometheus stole a lightning bolt from Zeus and gave it to mankind.'

In this was Prometheus defied Zeus. To defy means to openly resist or refuse to obey. Hence, option (d) is the right answer choice.

- 79. (c) The news is all over the internet.
- 80. (c) We studied about <u>the</u> Roman Empire in school.

- (b) There was no one else in the room <u>except</u> Collin.
- 82. (c) The correct sequence will be BDECA. You must stay out of the sun.
- 83. (b) The correct sequence is AEDCB. *I want my salary immediately.*
- 84. (d) 'Diseases' is a common noun. 'Diseases' are common nouns however diseases named after people/ inventors/ discoverers are proper noun e.g., Alzheimer's disease.
- (c) After school you and <u>I</u> must discuss a few things.

There is a simple way to tell which one to use, by imagining the clause without the "you and" part:

Example: You and (I/me?) should spend more time together

Imagine: "Me should..." (this is clearly wrong) Imagine: "I should..." (correct!)

Answer: You and I should spend more time together

Example: He should have spoken to you and (I/me?). Imagine: "He should have spoken to me" (correct!)

Imagine: "He should have spoken to I" (wrong) Answer: He should have spoken to you and me.

- 86. (c) It is quite warm, isn't it?
- 87. (a) The given sentence is a command hence, it is a imperative sentence.
- 88. (b) Near the equator, the sun <u>evaporates</u> greater quantities of water.

Simple Present tense is used when we talk about the universal truth or fact.

- (c) 'Apartment' is the correct spelling here.
   Other words are misspelt.
- 90. (d) Today is the most important day of my life.
- 91. (c) Soar: to fly aloft or about.
  - (1): to sail or hover in the air often at a great height: glide.
  - (2) of a glider: to fly without engine power and without loss of altitude

Sore: (of a part of one's body) painful or aching. Sour: having an acid taste like lemon or vinegar. Sure: completely confident that one is right.

- (d) Exhausted means very tired.
   OR (of resources or reserves) completely used up.
- 93. (c) A confectioner is a person who sells sweet.
- 94. (a) The captain <u>was present</u> along with the players.

- 95. (b) The opposite of 'Mortal' is 'Immortal'. Mortal: (of a living human being, often in contrast to a divine being) subject to death. Immortal: living forever; never dying or decaying.
- 96. (b) A pack of thieves was caught by the Police.
  A swarm of bees
  A team of players
  A batch of letters
- 97. (d) It has become his habit to <u>never</u> do his homework and then copy it from others.
- (a) There were several women at the conference.
- 99. (b) To beat around the bush: To avoid getting to the point of an issue:

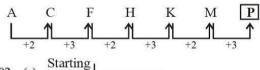
"Your worries have nothing to do with the new proposal.

Stop beating around the bush, and cast your vote!"

- 100. (c) The sentence is in present tense so the verb will be used with 's'. i.e. "prefers".
  - "My father is a bookworm; he <u>prefers</u> books to films and sports."

### INTELLIGENCE TEST

101. (c) The series is as -



102. (c) Starting Point End Point

So, now he is heading towards south.

103. (c) These are the currency of country except 'Cyprus'.

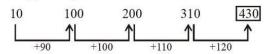
The currency of Cyprus is 'Euro'.

104. (b) From first two statement:

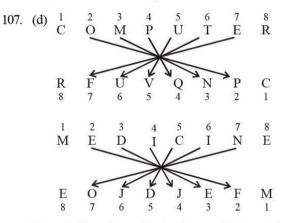


If first two statements are true, the third statement is 'False'.

105. (c) The pattern of the series is as:



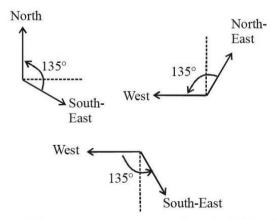
Where (-) shows Female and (+) shows Male. So, A is the Grand-daughter of D.



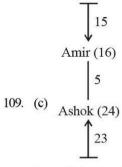
First of all exchange first and second letter with each other. Then, add 1 in second letter and put it on second last position.

Similarly the same order follow in the next letters.

108. (c)

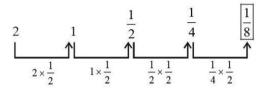


We can clearly see that the rotation is 135° anticlock wise. So, West will become South-East.

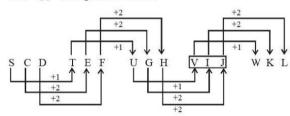


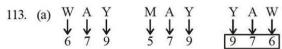
So, Ashok's Rank from bottom is 24th.

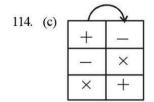
- 110. (d) aabab/aabab/aabab.
- 111. (b) The series is as:



112. (c) The pattern is as:







$$10 \times 5 + 3 - 2 = ?$$

By exchanging the signs -

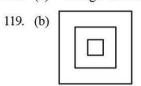
$$10+5-3\times2=?$$
  
$$\Rightarrow 15-6=? \Rightarrow ?=9.$$

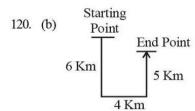
115. (b) As, Mend: Sewing Similarly, Edit: Repair.

- 116. (c) A rider uses a Rein to guide a Horse;
  A pilog uses the Control Panel to guide a Plane.
- 117. (a) All ohter are social media platforms, except MS Paint.

MS Pain is a graphics editor.

118. (d) "Strings" is a necessary part of the Guitar.





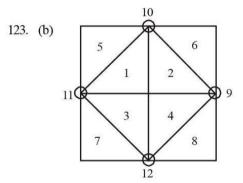
So, now he is facing in North direction.

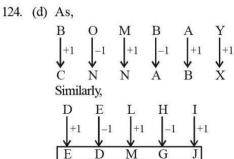
121. (d) The pattern is as: E(5) + H(8) = M(13)N(14) + A(1) = O(15)

$$I(9) + D(4) = |\mathbf{M}| (13)$$

122. (c) The bell rings at regular intervals of 45 minutes.

If last bell rang 5 minutes ago and next bell is due to be rung at 7:45 am then, the Priest give this information to the devotee at 7:05 am.





125. (c) As Unify is the Antonyms of Segregate; Similarly Damage is the Antonyms of Repair.