Section: I - Aptitude and Logical Reasoning

1.	In a certain code, T code?	TELEPHONE is written	n as ENOHPELET. Ho	ow is ALIGATOR written in tha	
	(a) ROTAGILA	(b) ROTAGILE	(c) ROTAGAIL	(d) ROTEGILA	
2.	•			unmarried daughters. Of the sons h. How many female members are	
	(a) 12	(b) 15	(c) 11	(d) 14	
3.	Statements All mangoes are golden in color. No golden-colored things are cheap. Conclusions: 1. All mangoes are cheap 2. Golden-colored mangoes are not cheap.				
	(a) Either 1 or 2 foll(c) The only conclus		(b) Both 1 and 2 for (d) Only conclusion		
4.	Which of the following will be the last digit of the second highest number after the positions of the digits in each number is reversed? 738 429 156 273 894				
	(a) 2	(b) 1	(c) 7	(d) 4	
5.	FBG, GBF, HBI, IB (a) JBI	H,? (b) HBL	(с) ЈВК	(d) HBK	
Sect	ion : II - Mathema	atics			
6.	A 4-digit number is (a) 1927	divisible by both 3 and (b) 4027	11 and ends in 27. Wha (c) 3927	t is the smallest such number? (d) 4927	
7.	A number leaves a remainder of 1 when divided by 2, 3, 4, and 6. What is the smallest two-diginumber that satisfies this condition?				
	(a) 11	(b) 13	(c) 21	(d) 31	
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- Arrange the following in descending order: $\frac{11}{14}$, 0.78, $\frac{4}{5}$ 8.
- (a) $\frac{4}{5} > 0.78 > \frac{11}{14}$ (b) $0.78 > \frac{11}{14} > \frac{4}{5}$ (c) $\frac{4}{5} > \frac{11}{14} > 0.78$ (d) $\frac{11}{14} > \frac{4}{5} > 0.78$
- 9. A number is the product of three distinct prime numbers whose sum is 15. What is the number?

- (b) 105
- (c) 751
- (d) 273

- What is the value of $4\frac{2}{3} + 3\frac{1}{4}$? 10.
 - (a) $7\frac{5}{7}$
- (b) $8\frac{11}{12}$
- (c) $7\frac{11}{12}$
- (d) $8\frac{5}{7}$
- 11. A submarine starts at 500m below sea level. It ascends 180m, then descends 220m, ascends 70m, and finally descends 130m. What is its final depth?
 - (a) 600m below
- (b) 620m below
- (c) 640m below
- (d) 660m below
- 12. A glacier's temperature drops 4°C every hour for 7 hours, then rise 3°C every hours for 5 hours. If initial temperature was -5° C, what is the final temperature?
 - (a) -23
- (b) -33
- (d) 13
- What is the product of the smallest 3- digit negative integer and the largest 2 digit negative integer? 13.
- (b) 9990
- (c) 9702
- (d) 9990

- Solve: $\left[\frac{(-8)^2 \times (-3)^3}{(-6)^2} \right] + \left[(-5) \right]$ 14.
 - (a) -50
- (b) -53
- (c) -43
- (d) 48
- What is the sign of the product of 5 negative integers and 3 positive integers? 15.
 - (a) Positive
- (b) Negative
- (c) 0

(d) can not be determined

Section: III - Science

- 16. Mrs. Teshin screamed when she saw a snake that was 50 millimeters long. How many centimeters is the snake?
 - (a) 5,000 cm
- (b) 5 cm
- (c) 500 cm
- (d) 50 cm

17.	The VOLUME of an of (a) Meter ³	bject is reported as (b) Km ²	(c) Grams ³	(d) inches	
18.	What type of measurement (a) Mass	nent is 2D and reported i (b) Temperature	n "SQUARE" units? (c) Area	(d) Volume	
19.	Which of the following (a) Newton	g is the SI unit of force? (b) Watt	(c) Joule	(d) Pascal	
20.	A dekameter is(a) 1000	times larger than a (b) 100	meter. (c) 10	(d) None of these	
21.	Light can travel in (a) air only	(b) vacuum only	(c) both air and vacuum	n (d) none of the mediums	
22.	"Image that is created in (a) Right (c) May be right or may	n plane mirror is virtual" y be wrong	", statement is (b) Wrong (d) Neither right nor wrong		
23.	Opaque means (a) No light passes through it (c) Some light passes through it		(b) All light passes through it(d) none of these.		
24.	If we observe closely, we will find that the Moon changes in its appearance everyday, this is due to (a) the Earth's shadow that falls on the Moon (b) the Sun's Shadow that falls on the Moon (d) The Moon's own light				
25.	light can (a) Ultraviolet	be separated into a raint (b) Fluorescent	oow of colors. (c) White	(d) Polarized	
26.	The process by which I (a) Sedimentation	outter can be separated fr (b) Decantation	om milk is (c) Filtration	(d) Churning	
27.	Which of the following (a) Magnetic separation		o separate impurities from (c) Hand picking	n wheat? (d) Threshing	

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28.	Components of a mix (a) weight	ture separated by sievin (b) colour	g are done based on diffe (c) shape	rence in the (d) size	
29.	Why is water importa (a) helps in digestion (c) essential for all lif	of food	(b) helps to regulate b (d) all of the above	oody temperature	
30.	The process of water (a) evaporation	changing from a gaseou (b) Condensation	s state (water vapor) to a (c) Precipitation	liquid state is called (d) Sublimation	
31.	Which of the following (a) Ground water	ng is a source of fresh w (b) Rain water	rater? (c) Surface run-off	(d) All of the above	
32.	What is transpiration? (a) water changing from (c) water released from	om liquid to gas	(b) water changing from gas to liquid(d) water stored in ground		
33.	The process by which (a) Crystallisation	pure salt can be obtain (b) Sublimation	ed from impure salt is: (c) Evaporation	(d) Sieving	
34.	The process of separa (a) Threshing	tes the cotton fibre from (b) Sieving	n cotton seeds. (c) Ginning	(d) Boiling	
35.	What is the water cycle? (a) The process of water being used by plants. (b) The continuous movement of water on, above, and below the surface of the Earth. (c) The process of water being purified. (d) The process of water being stored in reservoirs.				
36.	Release of energy to perform body functions by giving out water and carbon dioxide as by-product is called				
	(a) Excretion	(b) Breathing	(c) Respiration	(d) None of these	
37.	Which one of the followard (a) Photosynthesis	owing is a function of lo (b) Transpiration	eaves? (c) Both (a) and (b)	(d) Support fruits	
		ROUG	SH SPACE		

38.	Which of the following is not a characteristic of (a) Perform cellular respiration(c) Reproduce		(b) Regulate their internal environment(d) Change their external environment		
39.	In cactus leaf are modificated (a) Tendrils	fied into (b) Spines	(c) Fleshy for storage	(d) None of these	
40.	Which plant has fibrous (a) Tulsi	s root? (b) Mango	(c) Wheat	(d) Orange	
41.	Which is a biotic comp (a) Water	onent in aquatic habitat. (b) Sand	(c) Fish	(d) Rock	
42.	The point on the stem f (a) petiole	from where the leaf arise (b) lamina	s is (c) node	(d) trunk	
43.	Which option is not an adaptation of animals living in polar regions? (a) Wide and large paws. (b) Layer of fat under skin. (c) Thin skin with scales (d) Strong sense of smell				
44.	Environment consists of which of the following (a) Only biotic environment.(c) Both biotic and abiotic environment.		g things? (b) Only abiotic environment. (d) Only plants and animals.		
45.	Which of the following (a) Tulsi	is an abiotic component (b) Snail	t of habitat? (c) Bacteria	(d) Water	

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