

PART - I
SECTION 1 – MATH ABILITY

1)	If the price of petrol increases from Rs.100 per litre to Rs. 120 per litre, what is the percentage increase in price ?	
	A) 20%	C) 15%
	B) 10%	D) -20%
2)	Identify the next term in the series : 1,1,2,3,5,8,13,....?	
	A) 18	C) 19
	B) 21	D) 17
3)	The sum of three integers is 20, and their product is 84. Identify the 3 integers.	
	A) 7,8,5	C) 12,7,1
	B) 11,8,1	D) 12,3,5
4)	If a basket contains 20 apples, 50 lemons and 30 peaches, what is the probability of drawing an orange?	
	A) 20%	C) 50%
	B) 30%	D) 0 %
5)	If a basket contains 20 apples, 50 lemons and 30 peaches, what is the probability of drawing an apple.	
	A) 20%	C) 50%
	B) 30%	D) 0 %
6)	In the following sequence the nth term can be calculated as _____ : 2,4,6,8,...	
	A) $2n$	C) $2n+1$
	B) $2n-1$	D) n
7)	If the demand for tyres rises with a rise in demand for automobiles, it can be said that their respective demands are _____.	
	A) Inversely Proportional	C) Directly Proportional
	B) Mutually Exclusive	D) Perfectly Proportional
8)	If a person has Rs.10,000/- with him today and chooses to keep it in cash without depositing it in the bank, what would be the value of the money 3 years from now (assuming inflation is 8%) ?	
	A) 8753.27	C) 7938.33
	B) 9000	D) 10000
9)	Find the next term in the given series : 100,101,109,136,200,_____	
	A) 225	C) 275
	B) 300	D) 325
10)	The average salary of unskilled workers is Rs. 25,000/- , while the average salary of skilled workers is Rs. 75,000/- . If the average salary of all the workers is Rs. 50,000/- what percentage of workers are unskilled?	
	A) 40%	C) 25%
	B) 20%	D) 50%
11)	The following are the grades obtained by 3 students in. Find the Geometric Mean of the grades : 2,4,8	
	A) 8	C) 2
	B) 6	D) 4

12)	A footballer runs from one end of the pitch to the other at the speed of 32km/h but jogs back the same distance at 10km/h. what is his average speed for the total distance covered by him.	
	A) 17.87 km/h	C) 21 km/h
	B) 15.24 km/h	D) 16.32 km/h
13)	Mr. A speaks the truth 80% of the time while Mr. B speaks the truth 60% of the time. In what percentage of cases are they likely to contradict each other when stating the same fact?	
	A) 41%	C) 42%
	B) 44%	D) 40%
14)	The probability that a man will be alive in 25 years is $\frac{5}{8}$ and that of his wife being alive is $\frac{3}{7}$. What is the probability that at least one of them is alive after 25 years?	
	A) $\frac{5}{8}$	C) $\frac{59}{56}$
	B) $\frac{11}{14}$	D) $\frac{15}{56}$
15)	A bookie states that the odds of India winning the T20 Match are 1:2 and that of a tie are 1:5. What is the probability that India would lose the match?	
	A) 25%	C) 33%
	B) 50%	D) 20%
16)	If the fall in demand of PS5's is twice the percentage rise in their price, identify the initial demand of PS5's given the following data - Original Demand is 50,000 units, Price rises by 15%	
	A) 65,000 units	C) 35,000 units
	B) 30,000 units	D) 15,000 units
17)	In how much time would the simple interest (@10% p.a) be equal to 0.525 times the principal amount?	
	A) 5 years 3 months	C) 5 years 6 months
	B) 5 years 9 months	D) 5 years 4 months
18)	If India's GDP in 2022 was \$2 trillion and it grows @ 8% in 2023, 7% in 2024 and 10% in 2025, what would be India's GDP(approx) at the end of 2025 ?	
	A) \$2.25 trillion	C) \$2.23 trillion
	B) \$2.50 trillion	D) \$2.54 trillion
19)	A 60 litre mixture of milk and honey contains 10% honey. How much honey should be added to make honey 20% of the total mixture?	
	A) 8.5 litres	C) 9 litres
	B) 7.5 litres	D) 5.5 litres
20)	Three partners A, B & C agree to share the profits from their business in the ratio 25:37:63. If the firm makes two lakh rupees of profits what would A's share be?	
	A) ₹55000	C) ₹45000
	B) ₹50000	D) ₹40000

SECTION 2 – LOGICAL REASONING

21)	Identify the next term in this series: P,O,M,J,_____	
	A) Armadillo	C) Albatross
	B) Arctic Fox	D) Aardvark
22)	If MAT is written as NBU, how will HOP be written?	
	A) IPQ	C) IQP
	B) PQI	D) POQ

23)	If Red is North, Black is West, Green is South and Blue is East, which colours would you use to describe the location of Arunachal Pradesh on the India map ?	
	A) Red and Black	C) Green and Black
	B) Green and Blue	D) Red and Blue
24)	If RAT is coded as 78, and BIT is coded as 62, how will RABBIT be coded?	
	A) 104	C) 100
	B) 52	D) 32
25)	A pedestrian facing north starts walking, after 10m he takes a left and walks for another 10m. He then takes a right and stops after 5m. In which direction would he currently be at (relative to his starting position)?	
	A) North-West	C) South-West
	B) North-East	D) South-East
26)	A is the daughter of C, and E is the son of B who is C's brother. How is E related to C?	
	A) Cousin	C) Nephew
	B) Niece	D) Uncle
27)	A is the father of B, B is the brother of C and C is the mother of D. How is A related to D?	
	A) Grandmother	C) Father
	B) Grandfather	D) Uncle
28)	A has 5 sons and each son has a sister, how many female members are there in the family?	
	A) 11	C) 9
	B) 2	D) 6
29)	Identify the next term: ARSD, ASSC, ATSB, _____	
	A) AUSA	C) ASTA
	B) ASUA	D) ATSA
30)	Find the odd one out: dictionary, atlas, thesaurus, lexicon.	
	A) atlas	C) thesaurus
	B) lexicon	D) dictionary
31)	Find the odd one out : sun, wind, tides, coal.	
	A) coal	C) wind
	B) sun	D) tides
32)	If BZQQNL is coded as CARROM, what would HORSE be coded as ?	
	A) ISTPF	C) ITSPF
	B) IPSTF	D) IPTSF

Questions 33 to 36: Read the following statements carefully and answer the questions given below.

In a floor there are five offices: A,B,C,D & E, in a straight line.

A is to the immediate right of B.

E is to the immediate left of C.

E is also to the immediate right of A.

B is to the right of D.

Assume that all offices face north.

33)	Which office is in the middle?		
	A) B	C) C	
	B) A	D) D	
34)	Which office is on the left-most end?		
	A) B	C) C	
	B) A	D) D	
35)	Which office is on the right-most end?		
	A) B	C) C	
	B) A	D) D	
36)	Which office is second to the right of B?		
	A) D	C) E	
	B) A	D) C	

Questions 37 to 40: Read the following statements carefully and answer the questions given below.

A,B,C,D, E, F , G & H are sitting in a circle.

D sits third to the left of A

E sits to the immediate right of A

B sits third to the left of D

G is second to the right of B

C & B sit next to each other

C is third to the left of H

37)	Who sits between F & D?		
	A) E	C) B	
	B) H	D) G	
38)	Who sits second to the left of H?		
	A) E	C) B	
	B) A	D) G	
39)	Who are the immediate neighbors of G?		
	A) D and C	C) B and C	
	B) D and E	D) A and B	
40)	Who sits third to the right of A?		
	A) C	C) E	
	B) D	D)	

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