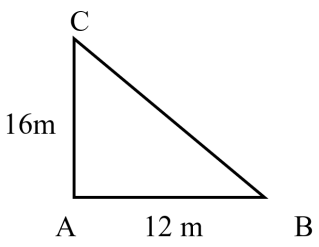
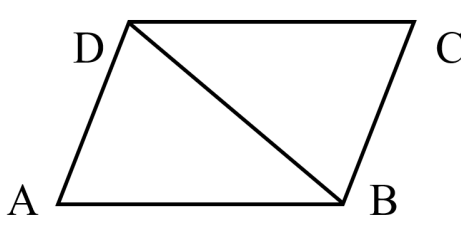


PART - I
SECTION 1 – MATH ABILITY

1)	Simplify $36^{1/2} \times 27^{1/3} \times (125)^{1/3}$	
	A) 60	C) 15
	B) 90	D) 55
2)	In a bag there are 50 apples and 50 oranges. Of the 50 oranges 20 are of Nagpur variety and remaining of Yercaud variety. What is the probability that a Nagpur variety is picked at random, if one fruit is selected from the bag?	
	A) 50%	C) 20%
	B) 40%	D) 10%
3)	A car travels 295km at 50km/hour. How long does the journey take? Give answer in hours and minutes.	
	A) 5 hrs. 54 mins.	C) 5.9 hrs. 45 mins. #
	B) 5 hrs. 50 mins.	D) 59.5 hrs. 30 mins. #
4)	Find the compound interest when Rs. 3000 is invested for $1\frac{1}{2}$ years @ 8.5%. The interest is compounded half yearly.	
	A) 333.98	C) 339.9
	B) 399	D) 382.5
5)	What rate must be paid for a principal of Rs.750/- to earn simple interest of Rs.180/- in 4 years?	
	A) 6%	C) 8%
	B) 6.5%	D) 9%
6)	The angles of a triangle are x° , y° and 40° . The difference between two unknown angles is 30° . The size of the two unknown angles are ___ & ___?	
	A) 30° & 65°	C) 85° & 55°
	B) 70° & 100°	D) 65° & 95°
7)	The exterior angle of a regular nonagon is ___.	
	A) 60°	C) 45°
	B) 35°	D) 40°
8)	Convert 3.2 Km^2 to m^2	
	A) 32000 m^2	C) $3.2 \times 10^3 \text{ m}^2$
	B) 3200000 m^2	D) $3.2 \times 10^4 \text{ m}^2$
9)	Find the area of the following shapes, ABCD is a parallelogram	
	A) 157.5 cm^2	C) 112 cm^2
	B) 29 cm^2	D) 120 cm^2

10)	Calculate the length of the side BC, Angle A = 90°.	
		
	A) 14	C) 20
	B) 16	D) 18
11)	There is a group of 300 people in a hall. A girl calculated that the possibility of randomly meeting someone that she knows from the group is 0.05. Calculate the number of people in the group that the girl knows.	
	A) 15	C) 150
	B) 6000	D) 60
12)	Two numbers are in a ratio 5:7. If 7 is added to each of them, the ratio becomes 3:4. Find the numbers.	
	A) 12:14	C) 15:28
	B) 8:11	D) 35:49
13)	Find the cost price, if the selling price = 2200 and gain is 10%.	
	A) 220	C) 1200
	B) 2400	D) 2000
14)	A fort has provisions for 150 men for 45 days. After 10 days 25 men left the fort. How long will the food will last at the same rate.	
	A) 40 days	C) 270 days
	B) 42 days	D) 21 days
15)	One of the diagonals of the rhombus is equal to one of its sides. Find angles of the rhombus given that AB=AD=BD find angle ABC and angle BAD.	
		
	A) 60° & 60°	C) 120° & 60°
	B) 150° & 30°	D) 60° & 120°
16)	Solve $\frac{x}{5} - \frac{3}{6} = \frac{2x}{3}$	
	A) x = 2/15	C) x = 15/14
	B) x = -15/14	D) x = -15/26
17)	Solve 1.32y + 0.02y = 1.19 + y	
	A) y = 3.5	C) y = 7.5
	B) y = 3	D) y = 1.01
18)	If a/b = (2/3) ⁻³ x (4/6) ⁰ , Find the value of (a/b) ⁻³	
	A) 8/27	C) (2/3) ⁻⁶
	B) 27/8	D) (2/3) ⁹

19)	What number should be subtracted from $4 \frac{1}{8}$ to get $-13 \frac{1}{12}$.	
	A) $-\frac{5}{24}$	C) $-\frac{4}{12}$
	B) $\frac{5}{24}$	D) $\frac{7}{12}$
20)	Evaluate: $3 \frac{3}{4} - 1 \frac{11}{16}$	
	A) $\frac{33}{16}$	C) $-2 \frac{1}{2}$
	B) $-\frac{12}{16}$	D) $2 \frac{1}{2}$

SECTION 02 – LOGICAL REASONING

21)	Complete the analogy : Elated:Depressed:: _____ :Delight	
	A) Happiness	C) Morose
	B) Love	D) Friendship
22)	Complete the analogy : Symphony:Composer :: _____	
	A) Car : Driver	C) Art : Architect
	B) House : Artist	D) Music : Composer
23)	Of the following pair of words which one would not fit the analogy : Lentils:Dal Makhni:: _____	
	A) Potatoes : Channa Masala	C) Okra : Bhindi Fry
	B) Chickpeas : Chole	D) None of the above
24)	Of the following pair of words which one would not fit the analogy : Jio : Telecom :: _____.	
	A) Instagram : Followers	C) LinkedIn : Connections
	B) Twitter : Followers	D) YouTube : Likes
25)	Complete the analogy : Qatar: 2022 :: _____	
	A) Russia : 2026	C) Brazil : 2014
	B) Germany : 2010	D) Japan : 2018
26)	Find the odd one out : 26,39,52,76	
	A) 26	C) 52
	B) 39	D) 76
27)	Find the odd one out : 625,150,375,480	
	A) 625	C) 480
	B) 150	D) 375
28)	Find the odd one out : ZW,XV,DA,JG	
	A) ZW	C) DA
	B) XV	D) JG
29)	Find the odd one out : CAAC,DBBD,ZXZX,JHHJ	
	A) CAAC	C) ZXZX
	B) DBBD	D) JHHJ
30)	Find the odd one out : Z26,M13,Y25,K10	
	A) M13	C) Y25
	B) Z26	D) K10

Questions 31 - 40 : Read the following paragraph to answer the questions below:

Paragraph: 6 friends A,B,C,D E&F are standing in a straight line watching the rising sun. D is third to the left of F and is also on the left most end. B is on the right most end and is third to the right of A.E is on the immediate left of B.

31)	Which direction is everyone facing?	
	A) North	C) South
	B) West	D) East
32)	How many people are there between B & C	
	A) 2	C) 1
	B) 3	D) 4
33)	Who is situated second to the left of F?	
	A) B	C) A
	B) D	D) C
34)	Who is situated 3rd to the right of E ?	
	A) A	C) D
	B) C	D) None of the above
35)	Who among the following is situated south of B ?	
	A) A	C) Both
	B) C	D) Neither
36)	Who among the following is situated to the north of F?	
	A) A	C) Both
	B) C	D) Neither
37)	Who is situated between A & B?	
	A) E	C) Both
	B) F	D) Neither
38)	Who is situated between F & E ?	
	A) E	C) Both
	B) F	D) Neither
39)	Who is situated between F & C?	
	A) D	C) E
	B) A	D) B
40)	Who is situated 3rd to the right of A?	
	A) D	C) C
	B) F	D) B

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