

AMAZON Aptitude Questions

1. A function $f(x)$ is defined as $f(x) = f(x - 2) - x(x + 2)$ for all the integer values of x and $f(1) + f(4) = 0$. What is the value of $f(1) + f(2) + f(3) + f(4) + f(5) + f(6)$?

- 0
- 89
- 89
- None of these

2. In $\triangle ABC$, the internal bisectors of $\angle ABC$ and $\angle ACB$ meet at I and $\angle BAC = 50^\circ$. The measure of $\angle BIC$ is

- 105°
- 115°
- 125°
- 130°

3. The difference between $\frac{3}{5}$ of $\frac{2}{3}$ a number and $\frac{2}{5}$ of $\frac{1}{4}$ of the same number is 288. What is the number?

- 960
- 850
- 895
- 955
- 44%

4. A, B, C and D are four consecutive odd numbers and their average is 42. What is the product of B and D?

- 1860
- 1890
- 1845
- 1677
- None of these

5. BL and CM are medians of $\triangle ABC$ right angled at A and $BC = 5\text{cm}$. If $BL = \frac{3\sqrt{5}}{2}\text{ cm}$, then the length of CM is

- $2\sqrt{5}$
- $5\sqrt{2}$
- $10\sqrt{2}$
- $4\sqrt{5}$

6. A sum of Rs 731 is divided among A, B and C such that 'A' receive 25% more than 'B' and 'B' receive 25% less than 'C'. What is C's share in the amount?

- Rs. 172
- Rs. 200
- Rs. 262
- Rs. 258
- None of these

7. In how many different ways can letters of the word "PRAISE" be arranged?

- 720
- 610
- 360
- 210
- None of these

8. If the numerator of a fraction is increased by 150% and the denominator of the fraction is increased by 300%, the resultant fraction is $[\frac{5}{18}]$. What is original fraction?

- $\frac{4}{9}$
- $\frac{4}{5}$
- $\frac{8}{9}$
- $\frac{8}{11}$
- None of these

9. A car covers the first 30 km of its journey in 45 minutes and the remaining 25 km in 30 minutes. What is the average speed of the car?

- 60
- 64
- 49
- 48
- None of these

10. Four examiners can examine a certain number of answer papers in 10 days by working for 5 hours a day. For how many hours

a day would 2 examiners have to work in order to examine twice the number of answer papers in 20 days?

- 8
- 7.5
- 10
- 8.5
- None of The above