General Aptitude Questions and Answers for Competitive Exams

Important Aptitude Questions and Answers for Freshers

Q.1.The angles of elevation of the top of a temple, from the foot and the top of a building 30 m high, are 60° and 30° respectively. Then height of the temple is

(A) 50 m
(B) 43 m
(C) 40 m
(D) 45 m

Ans . D

Q.2. Study the pie-chart given and answer the following questions.

If the miscellaneous charges are Rs. 6000, then the advertisement charges are

(A) Rs.12000
(B) Rs.27000
(C) Rs.90000
(D) Rs.25000

Ans . B

Q.3. The ratio between royalty and binder's charges is

(A) 5:6
(B) 5:8
(C) 6:5
(D) 8:13

Ans . A

Q.4. What should be the central angle of the sector 'cost of paper'?

(A) 22.5°
(B) 54.8°
(C) 36°
(D) 16°

Ans . C

Q.5. The central angle of printing charge is x more than that of advertisement charge. Then the value of x is

(A) 72°
(B) 61.2°
(C) 60°
(D) 54.8°

Ans . B

Q.6.A, B and C can work together for Rs. 550/- A and B together are to do 7/11 of the work. The share of C should be?
(A) Rs. 200
(B) Rs. 300
(C) Rs. 400
(D) Rs. 450

Ans . A

Q.7. The price of a chair is Rs. 500. It has been sold at two successive discounts of 10% each. What is its selling price?

(A) Rs. 400
(B) Rs. 405
(C) Rs. 415
(D) Rs. 425

Ans . B

Q.8.In a Village panchayat society 574 names are enlisted as 'below poverty level'. If 14% of the villagers are below poverty level, the total number of villagers is?

(A) 4100
(B) 4200
(C) 4000
(D) 3800

Ans . A

Q.9.If a2+1 = a, then the value of a3 is

(A) 0
(B) 1

(C) -1
(D) 2

Ans . C

Q.10.Length of three-line segments is given. Is construction of a triangle possible with the segments in the given cases?

(A) 8 cm, 7 cm, 18 cm
(B) 8 cm, 15 cm, 17 cm
(C) 10 cm, 6 cm, 4 cm
(D) 8 cm, 10 cm, 20 cm

Ans . B

Q.11.A man has some hens and some cows. If the total number of heads of hens and cows together is 50 and the number of feet of hens and cows together is 142, then the number of cows is

(A) 21
(B) 25
(C) 27
(D) 29

Ans . A

Q.12.Two circles of radii 17 cm and 8 cm are concentric. The length of a chord of greater circle which touches the smaller circle is

(A) 15 cm
(B) 16 cm
(C) 30 cm
(D) 34 cm

Ans . C

Q.13.The percentage change of a number when it is first decreased by 10% and then increased by 10% is

(A) 0.1 % increase
(B) 1 % decrease
(C) 0.1 % decrease
(D) No changes

Ans . B

Q.14. The centroid of an equilateral triangle ABC is G. If AB is 6 cms, the length of AG is

(A) √3 cm
(B) 2√3 cm
(C) 3√2 cm
(D) 2√2 cm

Ans . B

Q.15. If 177 is divided into 3 parts in the ratio 1/2 : 2/3: 4/5, then the second part is

(A) 75
(B) 45
(C) 72
(D) 60

Ans . D

Q.16.If x=3/2, then the value of $27x^3-54x^2+36x-11$ is

(A) 11⅜
(B) 11⅝
(C) 12⅜
(D) 12⅝

Ans . D

Q.17.If the angles of a triangle are in the ratio of 2:3:4, then the difference of the measure of greatest angle and smallest angle is

(A) 20°
(B) 30°
(C) 40°
(D) 50°

Ans . C

Q.18. If $\tan 45^0 = \cot\theta$, then the value of θ, in radians is

(A) Π
(B) Π/9
(C) Π/2
(D) Π/12

Ans . B

Q.19.The average of 12 numbers is 9. If each number is multiplied by 2 and added to 3, the average of the new set of numbers is

(A) 9
(B) 18
(C) 21
(D) 27

Ans . C

Q.20. The least six-digit number which is a perfect square is

(A) 100489
(B) 100000
(C) 100256
(D) 100225

Ans . A

Aptitude Solved Questions

Q.1. A and B together can finish a work in 30 days. They worked for it for 20 days and then B left the work. The remaining work was done by A alone in 20 days more. In how many days can A alone finish the work?

(A) 48 days
(B) 50 days
(C) 54 days
(D) 60 days

Ans . D

Q.2. A merchant changed his trade discount from 25% to 15%. This would increase selling price by

(A) 3⅓%
(B) 6⅙%
(C) 13⅓%
(D) 16⅓%

Ans . C

Q.3. If percentage of profit made, when an article is sold for Rs.78, is twice as when it is sold for Rs.69, the cost price of the article is

(A) Rs. 49
(B) Rs. 51
(C) Rs. 57
(D) Rs. 60

Ans . D

Q.4.Gautam travels 160 kms at 32 kmph and returns at 40 kmph. Then average speed is

(A) 72 kmph
(B) 71.11 kmph
(C) 36 kmph
(D) 35.55 kmph

Ans . D

Q.5.If a+b+c = 6 and ab+bc+ca = 1, then the value of bc(b+c) + ca(c+a) +ab(a+b) +3abc is

(A) 33
(B) 66
(C) 55
(D) 23

Ans . B

Q.6.In ΔABC, ∠A = 90°, AD ⊥ BC and AD = BD = 2 cm. The length of CD is

(A) 3 cm
(B) 3.5 cm
(C) 3.2 cm
(D) 2 cm

Ans . D

Q.7.(2^{51} + 2^{52}+2^{53}+2^{54}+2^{55}) is divisible by

(A) 23
(B) 58
(C) 124
(D) 127

Ans . C

Q.8.The perimeter of two similar triangles ABC and PQR are 36 cms and 24 cms respectively. If PQ = 10 cm then the length of AB is

(A) 18 cm
(B) 12 cm
(C) 15 cm
(D) 30 cm

Ans . C

Q.9. ABC is triangle If Sin (A+B/ 2) =√3/2, then the value of Sin C/2 is

(A) 1/√2

(B) 0

(C) 1/2

(D) √3/2

Ans . D

Q.10. In a triangle ABC, AB = 8 cm, AC = 10 cm and ∠B = 90°, then the area of △ABC is

(A) 49 sq.cm
(B) 36 sq.cm
(C) 25 sq.cm
(D) 24 sq.cm

Ans . D

Q.11. The compound interest on Rs. 64,000 for 3 years, compound annually at 7.5% p.a is

(A) Rs. 14,400
(B) Rs. 15,705
(C) Rs. 15,507
(D) Rs. 15,075

Ans . C

Q.12. In △ ABC, the height CD intersects AB at D. The midpoints of AB and BC are P and Q respectively. If AD = 8 cm and CD = 6 cm, then the length of PQ is?

(A) 3 cm
(B) 7 cm
(C) 9 cm
(D) 5 cm

Ans . D

Q.13. The percent profit made when an article is sold for Rs. 78 is twice as much as when it is sold for Rs. 69, the cost price of the article is?

(A) Rs. 60
(B) Rs. 51
(C) Rs. 55.50
(D) Rs. 70

Ans . A

Q.14. A train 240 meters in length crosses a telegraph post in 16 seconds. The speed of the train is?

(A) 50 Km/hr
(B) 52 Km/hr
(C) 54 Km/hr
(D) 56 Km/hr

Ans . C

Q.15. From an external point two tangents to a circle are drawn. The chord passing through the points of contact subtends an angle$72°$ at the centre. The angle between the tangents is?

(A) $36°$
(B) $72°$
(C) $108°$
(D) $144°$

Ans . C

Q.16. If $\sin\theta+ \operatorname{cosec}\theta=2$, then the value of $\sin^{-7}\theta + \operatorname{cosec}^7\theta$ is

(A) 2^7
(B) 2^{-7}
(C) 2
(D) 2^{-1}

Ans . C

Q.17. If $(a+b-6)^2 + a^2+b^2+1+2b = 2ab+2a$, then the value of a is

(A) 7
(B) 6
(C) 3.5
(D) 2.5

Ans . C

All the Best!