BA ADMINISTRATION & GOVERNANCE
THIRD SEMESTER [REPEAT]
LOGICAL REASONING AND GENERAL APTITUDE
BAAGNC – 307
[USE OMR SHEET FOR OBJECTIVE PART]

SET A

Duration: 3 hrs.

Full Marks: 70

Objective

Time: 30 mins.

Marks: 20

Choose the correct answer from the following:

1×20=20

1. Student A scores 20 marks in an examination out of 30 while another student B scores 40 marks out of 70. Who has performed better?
    a. B
    b. A
    c. Both have performed same
    d. Data not sufficient

2. A trader marks up the price of his goods by 20%, but to a particularly haggling customer he ends up giving a discount of 10% on the marked price. What is the percentage profit he makes?
    a. 10%
    b. 8%
    c. 12%
    d. 15%

3. B's salary is 25% more than A's salary. By what percent is A's salary less than B's salary?
    a. 20%
    b. 25%
    c. 10%
    d. 30%

4. Due to a 25% price hike in the price of rice, a person is able to purchase 20 kg less of rice for Rs. 400. Find the initial price.
    a. Rs 25 per kg
    b. Rs 50 per kg
    c. Rs 4 per kg
    d. Rs 60 per kg.

5. Which of the following is the largest number?
    a. 20% of 200
    b. 7% of 500
    c. 1300% of 3
    d. 700% of 9

6. If 25% of a number is 75, then 45% of that number is
    a. 145
    b. 125
    c. 150
    d. 135

7. What is 10% of 20% of 25% of 100?
    a. 0.5
    b. 0.75
    c. 0.25
    d. 1.0

8. If we express 12(4/15) % as a fraction, then it is equal to
    a. 46/375
    b. 46/125
    c. 23/250
    d. None of these.

9. Thirty percent of a number when subtracted from 91, gives the number itself. Find the number
   a. 60
   b. 65
   c. 70
   d. 75

10. Fresh grapes contain 95% water by weight, while dry grapes contain only 20% water by weight. What is the weight of dry grapes available from 40 kgs of fresh grapes?
    a. 2.5 kgs
    b. 3 kgs
    c. 2 kgs
    d. 3.5 kgs

11. A shopkeeper sold goods for Rs. 2000 at a profit of 50%. Find the cost price for the shopkeeper
    a. Rs 1200
    b. Rs 1333.33
    c. Rs 1350
    d. Rs 1250.55

12. A man buys shirt and trousers for Rs 371. If the trouser costs 12% more than the shirt, find the cost of the shirt.
    a. Rs 150
    b. Rs 200
    c. Rs 175
    d. Rs 125

13. A fruit vendor recovers the cost of 25 mangoes by selling 20 mangoes. Find his percentage profit
    a. 5%
    b. 20%
    c. 50%
    d. 25%

14. A reduction in the price of petrol by 10% enables a motorist to buy five gallons more for $180. Find the original price of petrol
    a. 2$ per gallon
    b. 4$ per gallon
    c. 5$ per gallon
    d. 10$ per gallon

15. By selling five articles for Rs15, a man makes a profit of 20%. Find his gain or loss percentage if he sells eight articles for Rs. 18.4.
    a. 16.66%
    b. 25%
    c. 8%
    d. 20%

16. Aman makes an article for Rs.500 and sells it to Baman at a profit of 10%. Baman sells it to Charan who sells it for Rs. 660, making a profit of 10%. What profit percent did Baman make?
    a. 9.09%
    b. 12%
    c. 16.66%
    d. 33.33%

17. A shopkeeper bought locks at the rate of 8 locks for Rs. 34 and sold them at the rate of 12 locks for Rs. 57. Calculate his gain percent
    a. 9.33%
    b. 12.5%
    c. 11.11%
    d. 11.76%

18. A dozen pairs of gloves quoted at Rs.120 are available at a discount of 20%. Find how many pairs of gloves can be bought for Rs16
    a. 2
    b. 3
    c. 4
    d. 6

19. By selling a book for Rs. 1080, a shopkeeper incurs a loss of 10%. Find the cost price of the book for the shopkeeper
    a. Rs 1200
    b. Rs 1300
    c. Rs 1280
    d. Rs 1240

20. By selling a cap for Rs. 29.75, Bhupendra Jogi gains 6.25%. What will be the CP of the cap?
    a. Rs 26
    b. Rs 27.5
    c. Rs 28
    d. Rs 27.80

21. A cellular phone when sold for Rs.3808 fetches a profit of 12%. Find the cost price of the cellular phone.
    a. Rs 3190
    – b. Rs 3400
    c. Rs 3260
    d. Rs 3560

22. Rs. 1200 is lent out at 5% per annum simple interest for 3 years. Find the amount after 3 years?
    a. Rs 1380
    b. Rs 1290
    c. Rs 1470
    d. Rs 1200

23. The SI on a sum of money is 25% of the principal, and the rate per annum is equal to the number of years. Find the rate percent.
    a. 4.5%
    b. 6%
    c. 5%
    d. 8%

24. A sum of money doubles itself in 12 years. Find the rate of interest per annum.
    a. 12.5%
    b. 8.33%
    c. 10%
    d. 7.51%

25. If Rs 1100 is obtained after lending out Rs. X at 5% per annum for 2 years and Rs.1800 is obtained after lending out Rs. Y at 10% per annum for 2 years, find X + Y.
    a. Rs 2500
    b. Rs 3000
    c. Rs 2000
    d. Rs 2200

26. A boat goes 6 km in one hour in still water, but takes thrice as much time in going the same distance against the current. The speed of current (in kmph) is:
    a. 2
    b. 3
    c. 4
    d. 5

27. The length of the bridge (in metres), which a train 225 m long and travelling at 45 kmph can cross in 30 seconds is:
    a. 150
    b. 500
    c. 250
    d. 300

28. Manish travels a certain distance by car at the rate of 12 km/h and walks back at the rate of 3 km/h. The whole journey took 5 hours. What is the distance he covered on the car?
    a. 12
    b. 30
    c. 15
    d. 6

29. Rajdhani Express travels 650 km in 5 h and another 940 km in 10 h. What is the average speed of train?
   a. 1590 kmph
   b. 168 kmph
   c. 106 kmph
   d. 126 kmph

30. Ram and Bharat travel the same distance at the rate of 6 km per hour and 10 km per hour respectively. If Ram takes 30 minutes longer than Bharat, the distance travelled by each is
   a. 6 km
   b. 10 km
   c. 7.5 km
   d. 20 km

31. A,B,C,D,E,F,G and H are sitting around a circle facing the centre. D is second to the left of H, who is third to the left of A. B is fourth to the right of C, who is the immediate neighbor of H. G is not a neighbor of B or C. F is not a neighbor of B. In which of the following pairs is the first person sitting to the immediate right of the second person.
   a. DG
   b. BE
   c. HB
   d. GH

32. Following Question no. 31, who is third to the left of B?
   a. G
   b. B
   c. C
   d. None of these

33. Eight students A,B,C,D,E,F,G,H sit around a circular table, equidistant from each other, facing the centre of the table, not necessarily in the same order. B and D sit neither adjacent to C nor opposite to C. A sits in between E and D, and F sits in between B and H. Which one of the following is definitely correct?
   a. B sits in between A and G
   b. C sits opposite to G
   c. E sits opposite to F
   d. None of the above.

34. Eleven friends M,N,O,P,Q,R,S,T,U,V,W are sitting in the first row of the Narendra Modi stadium watching a cricket match. T is the immediate left of P and third to the right of U. V is immediate neighbor of M and N and third to the left of S. M is the second to the right of Q, who is at one of the ends. R is sitting next to the right of P and P is second to the right of O. Who is sitting at the center of the row?
   a. N
   b. O
   c. S
   d. U

35. Following Question 34, Which of the following people are sitting to the right of S?
   a. OTPQ
   b. OTPR
   c. UNVM
   d. UOTPR

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