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PPSC Lecturer Mathematics Recruitment Guide

Mathematics MCQS and Pattern

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PPSC Lecturer Recruitment 2015 Math Mcqs for Lecturer Test 2015

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1) Price of sugar is increased by 25%. The percentage of consumption to be decreased so that there would be no increase in the expenditure is

(a) 18% (b) 20 %

(c) 22% (d) 24%

2) A group of students volunteered to finish a construction work in 25 days. 1Q of the students did not come and the work could be finished in 35 days. The original number of students in the group were

(a) 25.00 (b) 32.00

(c) 35.00 (d) 37.00

3) A man bought a flat for Rs. 8,20,000. He borrowed 55% of this money from a bank. How much money did he borrow from the bank? .

(a) Rs. 4,51,000' (b) Rs. 4,52,000

(c) Fvs. 4,53,000 . (d) Rs. 4,54,000

4) A primary school had an enrollment of 850 pupils in January 1970. In January 1980 the enrollment was 1,120; What was the percentage increase for the enrollment?

(a) 31.76%' (b) 33.50%

(c) 30,65% (d) 34.76%

5) The number, whose 7% is 42, is

(a) 300 (b) 400

(c) 500 (d) 600'

6) Which number will come next?

3. 5, 7, 10,12,14, 24, 26,_____

(a) 52 (b) 30

(c) 28' (d) 48

7) Twelve men take 6 hours to finish a piece of work. After the 12 men have worked for 1 hour, the contractor decides to call in 8 more men. How many more hours would 20 men take to complete the remaining work?

(a) 2 (b) 3'

(c) 4 (d) 5

8) If a car is sold for Rs..50000 the profit is 17 percent, what would be profit percentage if sold for Rs. 47000.

(a) 14.85% (b) 15.98%'

(c) 16.20% (d) 14.50%

9. Sadiq purchased a plot for Rs. 8,000. He sells the plot to Abid at a profit of 20%. Abid in turn sells that plot to Arif at a loss of 20%. The plot costs Arif.

(a) Rs. 12,000 (b) Rs. 10,000 (c) Rs. 8670 (d) Rs. 7680

10. A's mother is twice as old as A's brother. A is 6 years younger than his brother but 4 years older than his sister. If A's sister is 15 his mother's age is:

(a) 40 (b) 45

(c) 42 (d) 50

11. If 12 years are added to $\frac{2}{3}$ age of Rani, she will be three years older than today. What is Rani's present age?

(a) 25 (b) 27

(c) 26 (d) 29

12. Three families, P, Q and R, share 480 kg of rice, Q receives twice as much rice as P and R receives half as much rice as Q. How much rice does family Q get?

(a) 220 kg (b) 230 kg

(c) 240 kg (d) 250 kg

13. Six men working 8 hours a day earn Rs 720 per week. 8 men working 6 hours a day will earn per week

(a) Rs. 540 (b) Rs. 720

(c) Rs. 960 (d) Rs. 1080

14. In the exam 45% students failed and 550 students were successful. The total number of students who appeared in the exam were:

(a) 1000 (b) 900

(c) 1500 (d) 800

15. Nasir read 60 pages of a book on the first day. This was 20% more than the number of pages he read on the second day. Given that he read $\frac{1}{6}$ of the book on the second day, find the number of pages in the book he had read.

(a) 300 (b) 290

(c) 325 (d) 345

16. Mr. Rehman ordered a car worth Rs. 600,000 and was given a discount. Given that he paid Rs. 57,000 for his new car, calculate the percentage discount he received:

(a) 5% (b) 7%

(c) 9% (d) 10%

17. Which is the greatest number?

(a) $\frac{1}{4}$ of 236 (b) $\frac{1}{16}$ of 1028

(c) $\frac{1}{9}$ of 504 (d) $\frac{1}{3}$ of 741

18. 10 men can construct a building in 40 days. How long will it take 20 men to do this work?

(a) 20 days (b) 30 days

(c) 40 days (d) 50 days

19. Rashid bought a shirt for Rs. 350 and sold it Rs. 300. How much loss did he get?

(a) Rs. 40 (b) Rs. 50

(c) Rs. 20 (d) Rs. 80

20. NASIR bought a practical copy Rs.60 and sold it Rs.40. How much loss did he get?

(a) Rs.600 (b) Rs.60

(c) Rs.40 (d) Rs.20

21. The number, whose 17% is 51, is

(a) 200 (b) 100

(c) 300 (d) 210

22. A car washer can wash 8 cars in 18 minutes. At this rate how many cars can be wash, in three hours?

(a) 13 (b) 40

(c) 80 (d) 125

23. There are four numbers. Average of the first three is 15 and that of the last three is 16. If the last number is 19 find the first number:

(a) 16 (b) 18

(c) 20 (d) 21

24. 10 men can complete a job in 14 days. How long will it take 4 men to finish the same job if they work. at the same rate?

(a) 33 days (b) 35 days

(c) 37 days (d) 39 days

25. A man takes 50 minutes to cover a certain distance at a speed of 6 km/hr. If he walks with a speed of 10 km/hr. he covers the same distance

(a) 1 hour

(c) 20 minutes

(b) 30 minutes

(d) 10 minutes

26. A man pays 10% of his income as income tax. If his income tax amounts to Rs.1500, what is his income?

(a) Rs.13000 (b) Rs.15000

(c) Rs.17000 (d) Rs.19000

27. A can do a piece of work in 10 days and B can do it in 15 days. The number of days required by them to finish it, working together is:

(a) 8 (b) 7

(c) 6 (d) 4.

28. A carton contains 10 boxes, each box containing one dozen cubes. How many cartons are needed to fill 960 cubes?

(a) 7 (b) 8

(c) 9 (d) 12

29. 16 men build a house in 10 days. How much time will it take 8 men to do this work?

(a) 25 days (b) 20 days

(c) 30 days (d) 32 days

30. Naveed Ahmed spends Rs.400 in getting a good table and sells it at Rs.600. Find the percentage of profit?

(a) 90% (b) 45%

(c) 50% (d) 80%

31. Ali spends Rs.500 to get a good shirt and sells it at Rs.800. Find the percentage of Profit?

(a) 59% (b) 60%

(c) 63% (d) 40%

32. Insert the missing number 5? 14 10 97

(a) 18 (b) 16

(c) 14 (d) 12

33. Insert the missing number:

341 (250) 466 282 () 398

(a) 228 (b) 232

(c) 226 (d) 240

34. Insert the missing number:

7 14 10 12 14 9

(a) 19 (b) 17

(c) 14 (d) 15

36. Insert the missing number:

172 84 40 18

(a) 7 (b) 10

(c) 12 (d) 16

37. 20 men can construct a building in 40 days. How long will it take 10 men to do this work?

(a) 50 days (b) 60 days

(c) 70 days (d) 80 days

38. A man saves Rs.500 which is 15% of his annual income. How much does he earn in one year?

(a) 3542.50 (b) 3333.33

(c) 3132.30 (d) 3075.75

39. Muhammad Aslam bought a TV Rs.8000 and sold it Rs.7000. How much loss did he get?

(a) Rs.1000 (b) Rs.2000

(c) Rs.3000 (d) Rs.4000.

40. Insert the missing number:

1 3 2 _____ 3 7

(a) . 4 (b) 8

(c) 5 (d) 6

41. Which number will come next?

2,5,12,23,38,57,_____

(a) 69 (b) 76

(c) 80 (d) 84

42. Which one number will complete the following number series?

3,6,15_____,123,366

(a) 34 (b) 59

(c) 42 (d) 60

43. Which number will come next?

1,2,5,12,27,58,_____

(a) 121 (b) 136

(c) 135 (d) 174

44. Which number will come next?

4,11,7,14,10, 17.

(a) 24 (b) 13

(c) 20 (d) 21

45. Which number will come next?

2,6, 12,20,30,42_____

(a) 56 (b) 54

(c) 50 (d) 62

45. Insert the missing number:

68 10 11 14 15

(a) 12 (b) 16

(c) 14 (d) 18

46. Insert the missing number:

17(112) 39 28(...).49 .

(a) 164 (b) 144

(c) 154 (d) 174

47. Insert the missing number:

234 (333) 257 345(...).678

(a) 233 (b) 333

(c) 133 (d) 433

48. Ahmed spend Rs.44,000 to get a car and sells it at Rs.48,000. Find its percentage of profit?

(a) 12% (b) 9.09%

(c) 14% (d) 80%

49. Sohail Khan sold a car Rs.80,000 which he was bought for Rs.90,000. What is his % loss?

(a) 61.40% (b) 55.51%

(c) 12.31% (d) 11.11%

50. The number, whose 3% is 60, is
(a) 2000 (b) 3000
(c) 6000 (d) 9000

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