Top 100+ Questions for AFCAT I 2022 Exam

1.The average weight of 14 girls in a class is 41.5 kg and that of the remaining 6 girls is 37.25 kg. Find the average weight of all the girls in the class.

A. 38.25
B. 35.5
C. 40.225
D. 40.15

2.The average of a batsman after 20 innings was 42 runs per innings. If after 21st inning his average increased by 1 run, then what was his score in the 21st inning?

A. 50
B. 55
C. 60
D. 63

3.The average of 40 numbers is calculated as 45. It is discovered later that while calculating the average, one number, namely 71 was mis-read as 31. The correct average is :

A. 47
B. 51
C. 46
D. 49

4.A man spends in 6 months as much as he earns in 3 months. He saves Rs. 7500 in a year. His average monthly income is :

A. Rs. 1250
B. Rs. 1500
C. Rs. 1450
D. Rs. 1900

5.The average height of 50 students of a class is 152 cm. If 10 among them whose average height is 148cm left the class and 10 new boys of average height 150 cm are included in the class, then what will be the new average height of the students of the class?

A. 152.4 cm B. 154 cm

C. 153.6 cm
D. None of these

6.Find average of first 25 multiples of 5

A. 60
B. 80
C. 65
D. 75

7.7 years ago, the average age of family of 5 members was 19 years. The present average age of the family is same even after two children's were born with the age difference of two years. What is the present age of youngest child?

A. 4
B. 6
C. 5
D. .5

8.The average height of 50 students is 165 cm. On a particular day, P, Q and R were absent and the average of the remaining 47 students was found to be 164. If Q and R has the same height and the height of P be 4 cm less than that of Q, find the height of Q :

A. 176 cm
B. 178 cm
C. 172 cm
D. 182 cm

9.In an examination, Soni's average marks were 53 per paper. If she scored 10 more marks in her science paper and 2 more marks in her math's paper, her average per paper would have been 55. How many papers were there in the examination?

A. 8
B. 7
C. 6
D. 9

10.A certain factory employed 700 men and 300 women and the average wage was Rs. 26.50 per day. If a woman got Rs. 6 more than a man, then what are women daily wages?

A. 33.80
B. 48.59
C. 31.85
D. 30.70

11.In a race, Naren Karthikeyan maintained an average speed of 286 km per lap in the first four laps. His speed reduced to 197 km per lap during the fifth lap. His average speed for the next three laps was 291 km per lap. What is the approximate average speed per lap (in km per lap) for the entire race? (assume that there are only 8 laps).

A. 267
B. 277
C. 282
D. 287

12.In a group of 16 boys and some girls the average consumption of Rice per month is 15 kg. The average consumption for boys and girls is respectively 18 kg per head and 12 kg per heaD. How many girls are there in the group?

A. 18
B. 16
C. 14
D. 15

13.The speed of a boat in still water is 11km/h. it can go 12 km upstream and return downstream to the starting point in 2 hours 45 minutes. What is the speed of stream ?

A. 5 km/h
B. 4 km/h
C. 3 km/h
D. 2 km/h
E. 1 km/h

14.A man rows 32 km downstream and 14 km upstream, and takes 6 hours to cover each time. What is the speed of the current?

A. 0.5 km/hr B. 1 km/hr

C. 1.5 km/hr
D. 2 km/hr

15.A man rows down a river 18 km in 4 hours with the stream and returns in 10 hours. Consider the following statements:

1) The speed of the man against the stream is 1.8 km/hr.
2) The speed of the man in still water is 3.15 km/hr.
3) The speed of the stream is 1.35 km/hr.
Which of the above statements are correct?

A. 1 and 2 only
B. 2 and 3 only
C. 1 and 3 only
D. 1, 2 and 3

16.A motor boat, whose speed is 15 km/hour in still water goes 30 km down-stream and comes back in a total of 4 hour and 30 minutes. The speed of the stream is

A. 4 km/hour
B. 5 km/hour
C. 6 km/hour

D. 10 km/hour

E. 11 km/hour

17. The speed of boat upstream and speed of boat down stream are

7km/h and 13 km/h respectively. What is the speed of stream and speed of boat in still water?

A. 10 km/h and 3 km/h

B. 15 km/h and 9 km/h

C. 20 km/h and 6 km/h

D. 40 km/h and 12 km/h

18. A river 2.5 m deep and 45 m wide is flowing at the speed of 3.6 km/hour. The amount of water that runs into the sea per minute is

A. 6650 m³

B. 6750 m³

C. 6850 m³

D. 6950 m³

19. A man rows downstream 32 km and 14 km upstream, and he takes 6 hours to cover each distance. What is the speed of the current?

A. 0.5 km/hr B. 1 km/hr

C. 1.5 km/hr

D. 2 km/hr

20. Two trains started simultaneously from two stations A and B, D km apart and run with speed x km/h and y km/h $(x > y)$ respectively in the same direction. How much distance train started from A has to cover before it overtakes the second train which has started from B?

$\dfrac{Dy}{y-x}$ A. km

$\dfrac{Dx}{y-x}$ B. km

$\dfrac{Dx}{y+x}$ C. km

$\dfrac{Dx}{x-y}$ D. km

21.In a river, the ratio of the speed of stream and speed of boat in still water is 2:5. Again, the ratio of the speed of stream and speed of another boat in still water is 3:4. What is the ratio of speeds of the first boat to the second boat in still water?

A. 10:7
B. 15:8
C. 4:3
D. 5:4

22.Speed of a boat during upstream is 13 km/hr & speed of current is 7 km/hr Then find speed(km/hr) of boat during downstream?

A. 33
B. 27
C. 23
D. 32

23.Anu bought 6 kg 400 g bananas and 5 kg 300 g litchis. Tanu bought 8 kg 350 g pomegranate and 3 kg 175 g jackfruit. who bought less fruits?

A. Anu bought more fruits
B. Tanu bought more fruits
C. Both bought equal quantity
D. None

24.Choose the part which contains the fractions in ascending order?

A. $\dfrac{10}{13}, \dfrac{15}{18}, \dfrac{18}{20}$

B. $\dfrac{15}{18}, \dfrac{10}{13}, \dfrac{18}{20}$ C. $\dfrac{15}{18}, \dfrac{18}{20}, \dfrac{10}{13}$

D. $\dfrac{18}{20}, \dfrac{10}{13}, \dfrac{15}{18}$

25. $\left(0.00625 \ of \ \dfrac{22}{5}\right)$, when expressed as a vulgar fraction, equals:

A. $\dfrac{13}{400}$

B. $\dfrac{15}{400}$ C. $\dfrac{10}{200}$

D. $\dfrac{11}{400}$

26.If

$$\sqrt{6084} = 78, \text{then the value of } \sqrt{60.84} + \sqrt{0.6084} + \sqrt{0.006084} + \sqrt{0.00006084}$$

is −

A. 8.34
B. 8.6558
C. 8.6658
D. 8.86

27.If 2.5 x = 0.06 y, then the value of $\dfrac{(y-x)}{(y+x)}$ is −

$\dfrac{61}{64}$ A. B. C.

$\dfrac{305}{32}$ D.

$\dfrac{6.1}{64}$

$\dfrac{0.61}{64}$ 28.If (1 / 4.5291) = 0.2207, then find the value of (1 / 0.00045291).

A. 0.02207

B. 22.07

C. 2207

D. 0.2207

29.If 1.5x = 0.03y, then the value of $\left(\dfrac{2y-x}{2y+x}\right)$ is :

$\dfrac{99}{100}$ A.

$\dfrac{99}{101}$ B.

$\dfrac{9.9}{101}$ C.

D. None of these

30.Find the value of 0.0372372372….

A. 372/10000

B. 372/9999

C. 372/9990

D. 372/9000

31.(0.56 ×0 .56 × 0.56 − 0.32 × 0.32 × 0.32 − 3 × 0.56 × 0.32 × 0.24) = ?

A. 0.013824

B. 0.24
C. 1
D. 1.4308

32.The value of $\left[35.7 - \left(3 + \dfrac{1}{3+\frac{1}{3}}\right) - \left(2 + \dfrac{1}{2+\frac{1}{2}}\right)\right] =$?

A. 30
B. 43
C. 28
D. 46

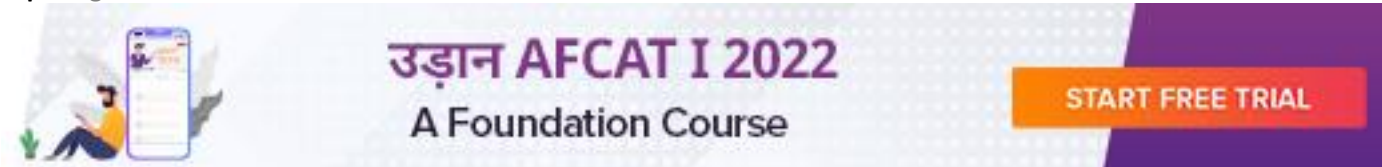33.When 54208 is divided by 352, the quotient is 154. When 54.208 is divided by 0.0154 then the quotient is?

A. 3580
B. 3520
C. 3245
D. 3689

34.In Group, A 20 students passed in first class out of 35 students, in another Group B of 42 students, 30 students passed in first class. Which group has greater fraction of passing?

A. Only Group A has greater fraction
B. Only Group B has greater fraction
C. Both A and B
D. Neither A nor B

35.In a village, 35% of the population is literate. If the total population is 8,500, then the number of illiterate is

A. 5525
B. 4255
C. 4575
D. 5755
E. None of the above/More than one of the above

36.In an election between two candidates, the winner got 45% of the total votes and defeated the other candidate by 5% of the total votes. Later 10000 of the invalid votes were recounted as valid and found to be obtained by the earlier loser. This led to a tie. How many votes were cast in all?

A. 180000
B. 200000
C. 225000
D. 150000

37.10000 people voted in an election between two candidates. 14% of the votes were rejected and the winner won by 600 votes. What percent of the valid votes did the losing candidate get?

A. 46.5%
B. 43.8%
C. 48.9%
D. 42.4%

38.A new house worth Rs. 19,68,300 is constructed on land worth Rs. 51,200. If the value of the house and land respectively depreciates and appreciates at 20% p.a, in how many years will the value of both be equal?

A. 8
B. 9
C. 10
D. 11

39.Akash spends 40% of his income on fooD. He spends 30% of the remaining amount on education and 25% of the remaining amount is spent on other expenditures. If he saves the remaining Rs. 5670, what is his income?

A. Rs. 21000
B. Rs. 18000
C. Rs. 13000
D. Rs. 15000

40.In an exam, Ashish scored 35 marks less than Raj, who scored 55 more than Mohit. Rohit scored 75 marks, which was 10 more than Mohit's marks. Rajan scored 71 marks less than maximum marks in the test. What percentage marks did Rajan get in the exam, if he got 44 marks more than Ashish?

A. 62.5%
B. 63.5%
C. 64.5%
D. 66.5%

41.The price of a pen drops by 40%. Hence, Ramesh decides to purchase twice the number of pens that he was planning to buy earlier. What is the percentage change in his expenditure compared to his originally planned expenditure?
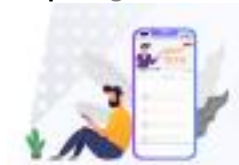
A. No change
B. 33.33%
C. 25%
D. 20%

42.The population of a village is 45,000. One fifth are males and the rest are females. 10% of females and 35% of males are uneducateD. What percentage on the whole are educated?

A. 77
B. 57
C. 85
D. 65

43.If 30% of (A + B) = 50% of (A - B) then (2A - 3B) / A + B is -

A. 1/2 B. 1

C. 5/6
D. 2/3

44.Out of two numbers, 25% of greater number is equal to 45% of the smaller. If the sum of the numbers is 210, then the greater number is

A. 170
B. 155
C. 135
D. 160

45. A's salary is 30% of B's salary and B's salary is 25% of C's salary. What percentage of C's salary is A's salary?

A. 10%
B. 9%
C. 5.5%
D. 7.5%

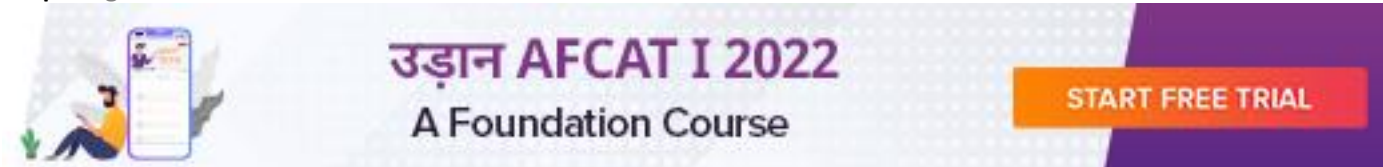46. Suresh rejects 0.08% of the meters as defective. How many will he examine to reject 2?

A. 2000
B. 2800
C. 2500
D. 2200

47. A farmer sells wheat through APMC followed by a distributer then a wholesaler and finally retailer whose mark-ups are 20%, 15%, 25% and 25% respectively. If the farmer directly sells to the customer at the same final rate, what is his approximate profit percentage?

A. 125%
B. 105%
C. 135%
D. 115%

48. Shubhi sold an article at a loss of 20%. If the selling price had been increased by Rs. 100, there would have been a gain of 5%. The cost price of the article (in Rs.) was

A. 200
B. 100
C. 500

D. 400

49. By selling 5 articles for 1 rupee, a man loses 6%. Had he sold four articles for 1 rupee, the profit would have been :

A. 12.5% B. 28%

C. 17.5%
D. 15%

50. By selling 75 ball pens for Rs. 135 a retailer loses 25%. How many ball pen should he sell for Rs. 102 so as to make a profit of 25% is

A. 34
B. 43
C. 38
D. 45

51. The loss percentage when a pen is sold at Rs. 50 is the same as that of the profit when it is sold at Rs. 70. Find above mentioned percentage of profit or loss on the article is:

A. 10

B. 20

$16\frac{2}{3}$ C.

$22\frac{2}{3}$ D.

52. Gagan purchased a shirt marked at Rs.600 at two successive discounts of 15% and 20% respectively. He spent Rs 28 on fitting of shirt and sold the shirt for Rs. 545. His profit % was:

A. 30
B. 20
C. 25
D. 35

53.A shopkeeper buys 164 items at 80 paisa each. On the way 20 items are broken. He sells the remaining at rs. 1.20 Each. His gain percent is –

A. 44%
B. 31.70%
C. 56%
D. 40%

54.A trader sells two articles which is of same price. On one article he gains 30% and on the other article he loses 30%. The trader loses Rs.

216 on the entire deal. At what price does he sale his article?

A. Rs. 1206 B. Rs. 998

C. Rs. 1164
D. Rs. 1092

55.Ashok purchase some goods for Rs. 720. He sold 1/4th of them at 40% profit at what profit percentage should he sell the remaining goods to earn an overall profit of 50%?

A. 46%
B. 58%
C. 43%
D. None of these

56.A shopkeeper marks up his price at 100% and then gives a discount of 50% what is his overall profit or loss in the transaction?

A. No change
B. 50% profit
C. 50% loss
D. 15% profit

57.A shopkeeper gives 20% discount on the printed price of a book. Raju is a good bargainer and he gets 10% discount on the already discounted price of the book. If the shopkeeper still makes 8% profit in the transaction, by what percentage is the printed price more than the cost price of the book?

A. 40%
B. 48%
C. 45%
D. 50%

58.A jewel which passing through three hands rises price on the whole by 65%. 20% and 25% profits are earned by the first and second seller, calculate the profit of third seller?

A. 15%
B. 10%
C. 25%
D. 20%

59.1/4th of sum stock is sold at 22% profit, 1/3rd is sold at 25% profit and the rest is sold at 40% profit. Thus, the shopkeeper manager to earn Rs.

18300 as profit. What is the total cost of the stock?

A. Rs. 65000
B. Rs. 60000
C. Rs. 70000
D. Rs. 55000

60.If x : y = 3 : 5, then find the value of (3x + y) : (5x − y)

A. 49 : 25
B. 7 : 5
C. 36 : 25
D. 49 : 36

61.85 coins are distributed between A, B and C. A receives 25 coins and the ratio of coins between B and C is 2 : 3. How many coins does C receive?

A. 60
B. 35
C. 24
D. 36

62.The ratio of weekly income of P and Q is 7 : 5 and the ratio of their expenditures is 3 : 2. If each saves Rs. 225 per week, then the sum of their weekly income is –

A. Rs. 2500
B. Rs. 2800
C. Rs. 2700
D. Rs. 2600

63.During the elections for the post of a building society chairman, the ratio of the number of members with Mr. Shah to that with Mr. Raheja was 6 : 5. But 24 members from Mr. Shah's side defected and joined Mr. Raheja. Now the ratio of members with Mr. Shah to that with Mr. Raheja is 2 : 3. Find the number of members siding with Mr. Shah initially.

A. 90
B. 15
C. 75
D. 240

64.A company's profit in the four quarters of 2019 is in the ratio 2 : 3 : 7 : 5. If the average monthly profit is Rs. 33.15 lacs, what is the company's profit in the third quarter?

A. Rs. 1.64 crores
B. Rs. 1.32 crores
C. Rs. 1.08 crores
D. Rs. 1.92 crores

65.P, Q and R started a business by investing $\frac{1}{6}th$ and $\frac{1}{14}$ of the capital respectively. P kept his entire capital for the full period, Q withdrew his capital after $\frac{1}{2}, \frac{1}{7}$ of the total time and R after $\frac{1}{3}rd$ of the total time. If the total time for which is the ratio in which total profit is to be divided amongst the partners?

A. 22 : 2 : 5
B. 21 : 1 : 1
C. 18 : 1 : 7
D. 17 : 2 : 3

66.The third proportional to 0.38 and 0.76 is :

A. 0.62
B. 1.56
C. 0.44
D. 1.52

67.The ratio of the incomes of P and Q is 6:5 and the ratio of their expenditure's is 4:3. If at the end of the year, each saves Rs.1800, then the income of P-

A. Rs. 5400
B. Rs. 4000
C. Rs. 4400
D. Rs. 5800

68.The average age of three girls is 36 years and their ages are in the proportion 4 : 6 : 8. The age of the youngest girl is -

A. 31 years
B. 28 years
C. 36 years
D. 24 years

69.If the ratio of cost price and the selling price of an article is 5:6, then the percentage of profit will be −

A. 20
B. 22
C. 10
D. 0.1

70.An alloy contains copper, zinc and aluminum in the ratio of 8 : 6 : 1. The quantity of aluminum (in kg) that must be added to 150 kg of this alloy to have the new ratio 6 : 4 : 3 is −
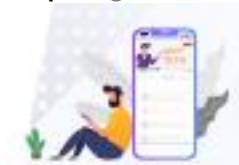
A. 45
B. 32
C. 38
D. 40

71.Out of a sum of Rs.1050, a part was lent at 5% SI and the other at 10% SI. If the interest on the first part after 3 years is equal to the interest on the second part after 6 years, then the second sum is -

A. Rs.250
B. Rs.300
C. Rs.330
D. Rs.210

72.A person borrows Rs.2500 for 2 years at 3% p.A. simple interest. He immediately lends it to the another person at 7 ½% for 2 years. Find his gain in the transaction per year.

A. Rs.112.5 B. Rs.135

C. Rs.125.5
D. Rs.155.5

73.A sum was put at simple interest at a certain rate for 4 years. Had it been put at 4% higher rate, it would have fetched Rs.380 more. Find the sum?

A. Rs.3400
B. Rs.3125
C. Rs.2375
D. Rs.2725

74.Heena deposited Rs. 16500 in a fixed deposit at the rate of 8% per annum simple interest. After every second year, she adds her interest earnings to the principal. The interest at the end of fourth year is –

A. Rs. 1716
B. Rs. 3356.80
C. Rs. 1280.40
D. Rs. 3062.4

75.A man invested a sum of money at an annual simple interest rate of 15%. At the end of five years the amount invested plus interest earned was Rs. 840. The amount invested was –
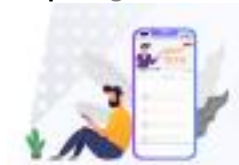
A. Rs. 560
B. Rs. 500
C. Rs. 420
D. Rs. 480

76.What equal installment of annual payment will discharge a debt which is due as Rs. 946 at the end of the 4 years at 5% per annum simple interest?

A. Rs. 220
B. Rs. 246
C. Rs. 252
D. Rs. 264

77.Two equal sums were lent out at 9% and 7% S.I. respectively. The interests earned on the two loans add up to Rs.840 for 3 years. The total sum lent out in

A. Rs. 1550
B. Rs. 1600

C. Rs. 1750
D. Rs. 1800

78. An amount is lent at the certain rate of simple interest for a few years. What is the percentage change in the simple interest if the amount lent increases by 30%, the rate reduces by 20% and the time period becomes 4 times itself?

A. 400%
B. 308%
C. 416%
D. 316%

79. Sunil places Rs. 5000 at 10% compound interest in 2013 what is the interest earned by him in 2016? (He does not withdraw anything in between)

A. Rs. 1735
B. Rs. 1835
C. Rs. 2055
D. Rs. 1655

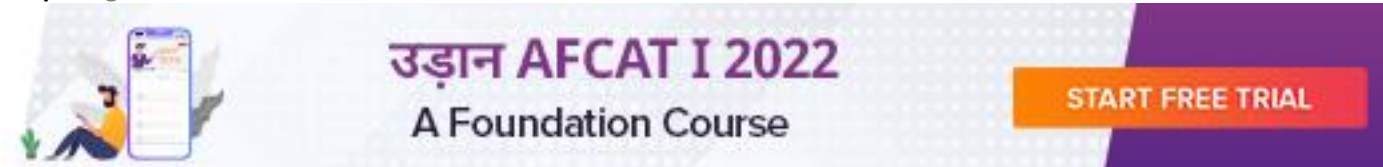80. In 2years a sum of 3468 kept at simple interest amount to Rs. 4126. What is the rate of interest?

A. 9.5%
B. 9.8%
C. 8.2%
D. 8.9%

81. Balveer lends Rs. 30,000 to vinay at 4.5% p.a. for 8 months. What amount does he get back?

A. Rs. 31,200
B. Rs. 30,400
C. Rs. 30,900
D. Rs. 31,600

82. If Rs. 2000 becomes Rs. 2,280 in 2 years when placed at simple interest, how much will Rs. 9000 become in 4 years at the same rate of simple interest per annum?

A. Rs. 10000
B. Rs. 11320
C. Rs. 11540
D. Rs. 11520

83.A man travels at a speed of 60 kmph on a journey from A to B and returns at 100 kmph. Find his average speed for the journey.

A. 80 kmph
B. 70 kmph
C. 75 kmph
D. 85 kmph

84.A train has a length of 200 meters. If it crosses a pole in 8 seconds, find its speed.

A. 80kmph
B. 100kmph
C. 90kmph
D. 95kmph

85.Two trains, 100 m and 150 m long, are running at a speed of 25 kmph and 35 kmph respectively in the same direction on parallel tracks. How many seconds will they take to pass each other?

A. 76
B. 68
C. 52
D. 90

86.A train passes a man standing on a platform in 10 seconds and also crosses the platform which is 276 metres long in 25 seconds. The length of the train (in metres) is :

A. 184
B. 210
C. 224
D. 156

87.A train passes a platform 120 m in 40 seconds and a man standing on the platform in 20 seconds. The speed of the train is :

A. 22.6 kmph
B. 21.6 kmph
C. 24.8 kmph
D. 26.2 kmph

88.A car travels from A to B at the rate of 45 kmph and returns from B to A at the rate of 75 kmph. Its average speed during the whole journey is
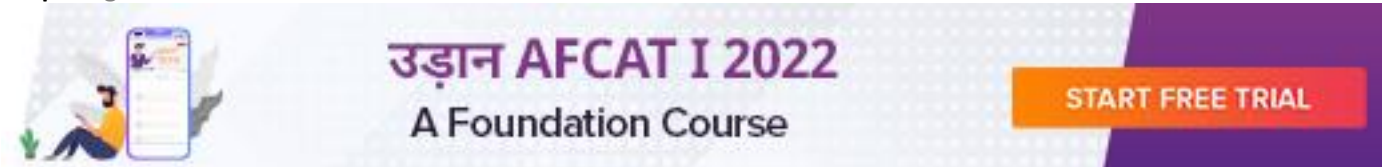
A. 61.75 kmph
B. 45.5 kmph
C. 50 kmph
D. 56.25 kmph

89.A train crosses a pole on a platform and 300m long platform in 10 seconds and 25 seconds respectively. What will be the time taken by the train to cross a 100m long platform?

A. 10 s
B. 15 s
C. 17 s
D. 25 s

90.A distance is covered by Shekhar at a certain speed. If Bhavya covers half the distance in double the time, the ratio of the speed of Bhavya to that of Shekhar is :

A. 1:4
B. 4:1
C. 1:2
D. 2:1

91.One – third of a certain journey is covered at the rate of 20 km/hr., One – fourth of journey at 30 km/hr. And the rest at 50 km/hr. The average speed for the whole journey is –

A. 45 km/hr. B. 30 km/hr.

C. 33 ⅓ km/hr.

D. 37 ⅛ km/hr.

92.A man walks from his house at an average speed of 6 km/hr. And reaches his office 5 minutes late. If he walks at an average speed of 7 km/hr. He reaches 1 minutes early. The distance of the office from the house is –

A. 6.4 km

B. 8.6 km

C. 9 km

D. 4.2 km

93.A train covers a distance of 30 km in 18 minutes. If its speed is decreased by 10 km/hr. , the time taken by it to cover the same distance is equal to –

A. $\dfrac{40}{3}$ minutes

B. 45 minutes

C. 20 minutes

D. 15 minutes

94.A man goes to his office from his house at a speed of 9km/hr. and returns at a speed of 5km/hr. If he takes 5 hours in going and coming, the distance between his office and house is -

A. 13.5km B. 16km

C. 15.5km

D. 18km

95.A lady covers 3/20 of the total journey by train, 6/15 by bus and remaining 9km on foot. Her total journey (in km) is

A. 18.8km

B. 20km

C. 22.4 km

D. 26km

96.Two cars P and Q started simultaneously from the same point in opposite directions, car P towards west and car Q towards east. If speed of car Q is 55kmph and after 25 minutes they were 45.5 km apart, what is the speed of car P? (in kmph)

A. 65 kmph
B. 45.72 kmph
C. 54.2 kmph
D. 55.8 kmph

97.A certain number of persons can complete a work in 45 days. If there were 7 persons more, the work could be finished in 9 days less. How many persons were originally there?
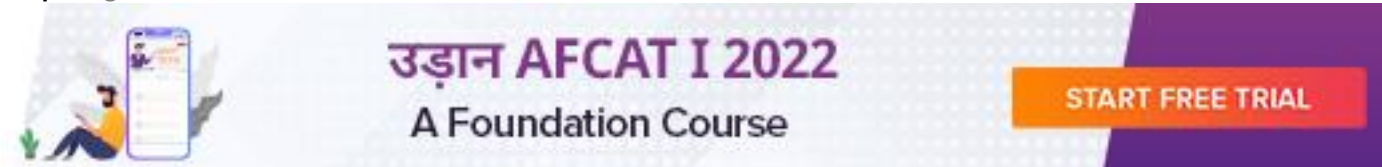
A. 18
B. 24
C. 17
D. 28

98.Tasha can do a piece of work in 25 days. Neha is 25% more efficient than Tasha. The number of days taken by neha to do the same piece of work is :

A. 12 days
B. 20 days
C. 15 days
D. 10 days

99.A and B can do a piece of work in 18 days and 12 days respectively. A started the work alone and then after 3 days B joined him till completion of the work. How long did the work last?

A. 10 days
B. 12 days
C. 6 days
D. 9 days

100.When P, Q and R are deployed for a task, P and Q together do 80% of the work and Q and R together do 40 % of the work. Who is most efficient?

A. P
B. Q
C. Data inadequate
D. R

101.A man can do a piece of work in 25 hours. If he works with his son then the same work is finished in 20 hours. If the son works alone he can do the work in

A. 70 hours
B. 50 hours
C. 120 hours
D. 100 hours

102.If 80 cats kill 80 mice in 80 days, then 5 cats would kill 5 mice in how many days?

A. 5 days
B. 100 days
C. 80 days
D. 4 days

103.X can do a certain work in the same time in which Y and Z together can do it. X and Y together can do it in 15 days and Z alone can do it in 60 days, then Y alone could do it in :

A. 30
B. 25
C. 40
D. 20

104. 14 men can complete a work in 8 days. After they have worked for 4 days, 2 more men join them. How many days will they take to complete the remaining work?

A. 3 ½ days B. 5 days

C. 4 ½ days
D. 6 days

105. A, B and C together earn Rs. 720 per day, while A and C earn together Rs. 432 and B and C together earn Rs. 388. The daily earning of C is -

A. Rs. 220
B. Rs. 240
C. Rs. 100
D. Rs. 160

106. If 90 men can do a certain job in 18 days, working 11 hours a day, then the part of that work which can be completed by 75 men in 24 days, working 9 hours a day is

A. $\dfrac{4}{7}$

B. $\dfrac{10}{11}$

C. $\dfrac{7}{9}$

D. $\dfrac{5}{8}$

107. A and B can do a work in 4 and 12 days respectively. They began the work together but A leaves after 2 days. Then the total number of days needed for the completion of the work is :

A. 6 days
B. 3 days
C. 4 days
D. 7 days

108.A train moving at a speed of 54km/hr. crosses a standing man in 16 seconds. It will cross a platform 75m long in -

A. 21 seconds
B. 15 seconds
C. 18 seconds
D. 24 seconds

109.A truck covers a distance of 480 m in 2 min. whereas a bus covers a distance of 30 kms. in 35 minutes. The ratio of their speed is –

A. 7 : 25
B. 5 : 7
C. 7 : 9
D. 29 : 11

110.If a man reduces his speed to $\frac{4}{5}$, he takes 1 hour more in walking a certain distance. The time (in hours) to cover the same distance with his normal speed is :

A. 3
B. 5
C. 4
D. 6