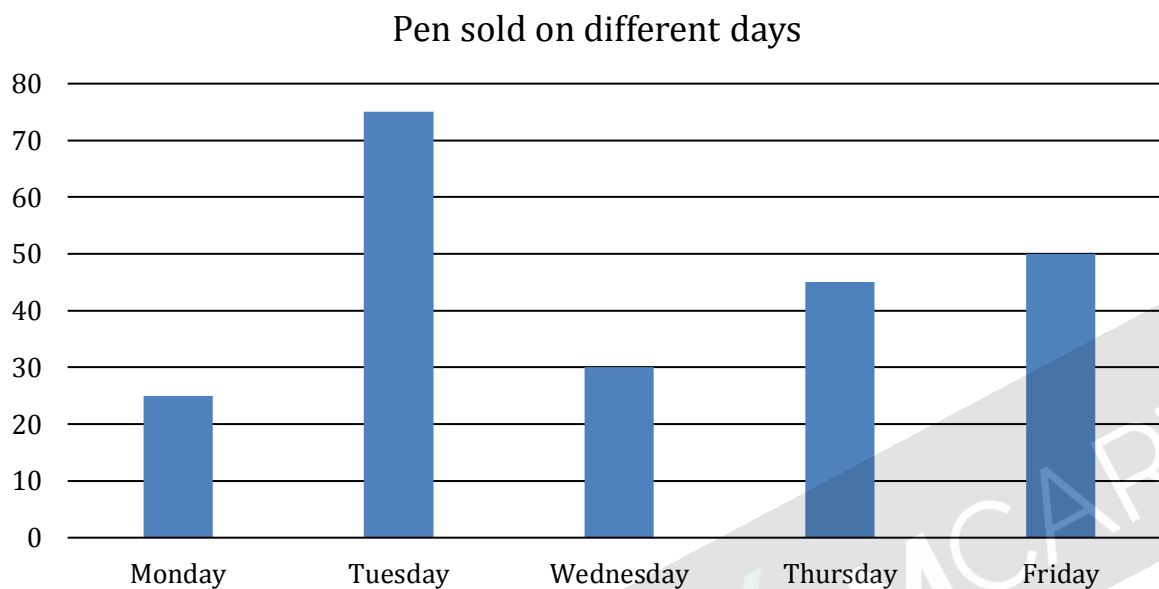


Question

Directions (66-70): Bar graph given below shows pens sold by a retailer on five different days. Study the data carefully and answer the following questions



Q66. Find the difference between total number of pens sold on Monday and Tuesday together to total number of pens sold on Thursday and Friday together?

- (a) 15
- (b) 10
- (c) 5
- (d) 20
- (e) 0

Q67. Total number of pens sold on Saturday is 40% more than total number of pens sold on Wednesday. Find total number of pens sold on Friday and Saturday together?

- (a) 92
- (b) 110
- (c) 72
- (d) 108
- (e) 85

Q68. Total number of pens sold on Tuesday are 25% more than total number of pens sold on Sunday. Find total number of pens sold on Sunday?

- (a) 64
- (b) 50
- (c) 94
- (d) 60
- (e) 55

Q69. Out of total pens sold on Thursday, 20% are blue ink pen. Out of remaining 25% are red ink pen and remaining are black in pen. Find total number of blue and black ink pen sold on Thursday?

- (a) 27
- (b) 36
- (c) 45
- (d) 39
- (e) 30

Q70. Out of total pens sold on Tuesday ratio between total defective pens sold to total pens sold is 7 : 15. Find total number of non-defective pens sold on Tuesday by retailer?

- (a) 20
- (b) 25
- (c) 30
- (d) 35
- (e) 40

Q71. Quantity I. 'x' : $x^2 + x - 6 = 0$

Quantity II. 'y' : $y^2 + 7y + 12 = 0$

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I $\geq$ Quantity II
- (d) Quantity I $\leq$ Quantity II
- (e) Quantity I = Quantity II or No relation

Q72. A's efficiency is 25% more than B

Quantity I - 'x' : A can do $\frac{5}{6}$ th of total work in 'x' days

Quantity II - 'y' : B can do $\frac{4}{5}$ th of total work in 'y' days

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I $\geq$ Quantity II
- (d) Quantity I $\leq$ Quantity II
- (e) Quantity I = Quantity II or No relation

Q73. Sum of 8 consecutive even number is S_1 .

Quantity I - Sum of second number and eight number in S_1

Quantity II - Sum of third number and sixth number in S_1

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I $\geq$ Quantity II
- (d) Quantity I $\leq$ Quantity II
- (e) Quantity I = Quantity II or No relation

Q74. An article is sold at Rs. 1500 after allowing discount of 12.5% on Marked price.

Quantity I –Rs.550

Quantity II –Mark price of article.

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I $\geq$ Quantity II
- (d) Quantity I $\leq$ Quantity II
- (e) Quantity I = Quantity II or No relation

Q75. If a speed of boat is 500% more than the speed of a current.

Quantity I –'x' : If boat can travel a distance of 63 km in 3 hr, in downstream then 'x' is the speed of the boat in upstream (km/hr).

Quantity II – 15 km/hr

- (a) Quantity I > Quantity II
- (b) Quantity I < Quantity II
- (c) Quantity I $\geq$ Quantity II
- (d) Quantity I $\leq$ Quantity II
- (e) Quantity I = Quantity II or No relation

Direction (76-80): What number is wrong according to given number series pattern: –

Q76. 1, 3, 9, 31, 128, 651, 3913

- (a) 9
- (b) 1
- (c) 128
- (d) 31
- (e) 3913

Q77. 291, 147, 75, 39, 22, 12, 7.5

- (a) 22
- (b) 291
- (c) 147
- (d) 75
- (e) 7.5

Q78. 26, 27, 34, 58, 106, 186, 306

- (a) 26
- (b) 34
- (c) 58
- (d) 106
- (e) 27

Q79. 5.9, 6, 6.1, 6.4, 7.9, 18.5, 112.9

- (a) 6
- (b) 5.9
- (c) 6.1
- (d) 18.5
- (e) 112.9

Q80. 330, 80, 280, 120, 250, 130, 240

- (a) 330
- (b) 130
- (c) 280
- (d) 240
- (e) 80

Q81. Sum of volume of cylinder (S) and volume of cone (C) is $2190\pi \text{ cm}^2$ & height of both cylinder and cone is same i.e, 10 cm. If radius of cone is 15 cm then find the ratio of radius of S to radius of C?

- (a) 1 : 2
- (b) 3 : 4
- (c) 2 : 5
- (d) 4 : 5
- (e) 3 : 5

Q82. In a box there are 6 blue ball, X red balls & 10 green balls. Probability of choosing one red ball from the given box is $\frac{1}{3}$. Then find the sum of red and blue balls in the box?

- (a) 20
- (b) 12
- (c) 14
- (d) 18
- (e) 16

Q83. Sum of A's and B's age 6 years ago is 88. A's age 18 yrs ago is equal to B's age 6 years ago. Find the age of A two year hence?

- (a) 58 yrs
- (b) 64 yrs
- (c) 42 yrs
- (d) 52 yrs
- (e) 48 yrs

Q84. Train A of length 120 m can cross a platform of length 240 m in 18 second the ratio of speed of train A and Train B is 4 : 5. Then find the length of Train B if train B can cross a pole in 12 seconds.

- (a) 280 m
- (b) 300 m
- (c) 320 m
- (d) 350 m
- (e) 240 m

Q85. What is the probability of forming word from the letters of word "IMPEACH" such that all vowels come together?

- (a) $\frac{8}{35}$
- (b) $\frac{1}{7}$
- (c) $\frac{3}{35}$
- (d) $\frac{17}{35}$
- (e) $\frac{2}{7}$

Direction (86-90): Find the value of (?) in following approximation questions:

Q86. $2^? = 32.01 \div 128.01 \times 1023.99 \div 7.99$

- (a) 7
- (b) 3
- (c) 4
- (d) 5
- (e) 8

Q87. $\frac{339.99}{?} = \sqrt{143.99} + \sqrt{64.01}$

- (a) 17
- (b) 20
- (c) 10
- (d) 34
- (e) 40

Q88. $34.02\% \text{ of } 550.09 \div ? = 297.07 \div \sqrt{728.95}$

- (a) 14
- (b) 21
- (c) 8
- (d) 27
- (e) 17

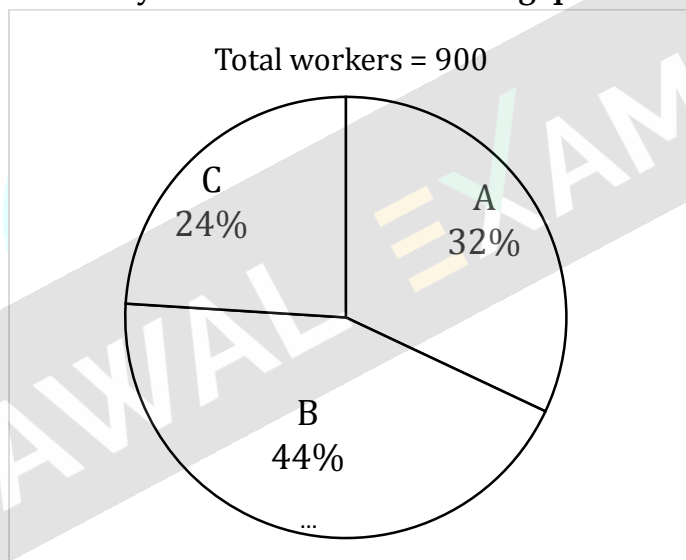
Q89. $(? \div 9.97) \times 12.08 = 20.12\%$ of 1319.97

- (a) 220
- (b) 240
- (c) 260
- (d) 280
- (e) 200

Q90. $? \% \text{ of } 179.99 = \sqrt{(24.02)^2 + (17.98)^2} + 60.01\% \text{ of } 659.98$

- (a) 80
- (b) 60
- (c) 40
- (d) 20
- (e) 10

Direction (91-95): Pie chart given below shows total number of workers in three different companies. Table given below shows ratio between officers and workers working in these companies. Study the data carefully and answer the following questions



Company	Officers : Workers
A	1 : 16
B	1 : 18
C	1 : 12

Note: - Total employees = Officers + Workers

Q91. Find the ratio between total number of workers in company A and C together to total number of officers in company A and C together?

- (a) 16 : 1
- (b) 12 : 1
- (c) 14 : 1
- (d) 18 : 1
- (e) 20 : 1

Q92. Total number of employees in company 'B' is how much more than total number of employees in company 'C'.

- (a) 174
- (b) 194
- (c) 204
- (d) 214
- (e) 184

Q93. Total number of officers in company 'A' is how much less than total number of officers in company 'B'?

- (a) 4
- (b) 2
- (c) 0
- (d) 6
- (e) 8

Q94. Total number of officers and workers in company D is 50% and 25% more than total number of officers and workers in company 'C' respectively. Find total number of employees in company 'D'?

- (a) 279
- (b) 297
- (c) 342
- (d) 324
- (e) 306

Q95. Find the difference between total number of workers in company 'A' and total number of workers in company 'B' and 'C' together?

- (a) 432
- (b) 396
- (c) 360
- (d) 324
- (e) 288

Direction (96-100): There are three persons A, B and C who each invested in two different scheme S_1 and S_2 . A in invested Rs 80,000 for 2 yr in scheme S_1 and 30,000 for 4 years in scheme S_2 . B invested Rs 30,000 for 3year in S_1 and he did not invest in scheme B. B also obtained a profit of 10,000 by selling his car. C invested Rs 50000 for 5 years in scheme S_1 and 10000 for 3

year in scheme S₂. Total profit obtained from scheme S₁ is 2 lakh and scheme S₂ is 90,000.

Q96. What is the ratio of total profit obtained by B and profit obtained by C from scheme S₁

- (a) 23 : 47
- (b) 54 : 47
- (c) 36 : 43
- (d) 23 : 50
- (e) 27 : 50

Q97. Profit obtained by A from scheme S₁ is what percent of profit obtained by C from scheme S₂.

- (a) $346\frac{7}{9}\%$
- (b) $347\frac{8}{9}\%$
- (c) $356\frac{7}{9}\%$
- (d) $345\frac{4}{9}\%$
- (e) $355\frac{5}{9}\%$

Q98. If sum of investment of A in both schemes and total profit obtained by A from both scheme is invested at compound Interest at the rate of 20% p.a. then find the total compound interest obtained in 2 yr

- (a) 108240
- (b) 104206
- (c) 105208
- (d) 109280
- (e) 106220

Q99. What is the average of profit attained by A from scheme S₁ and profit of C obtained from scheme S₂.

- (a) 41000
- (b) 42000
- (c) 44000
- (d) 55000
- (e) 40000

Q100. If A had invested his sum at Simple Interest for 3 yr at the rate of R% p.a. instead in scheme S₁ and B has invested his sum at compound Interest at (R + 5%) p.a. for 1 year and difference in interest obtained is 30,000 then find value of R%.

- (a) 10%
- (b) 9%
- (c) 15%
- (d) 18%
- (e) 12%