

Directions (1-5): **Select the most appropriate word to fill in the blank.**

**Q1. Hospital parking should be \_\_\_\_\_. Patients or relatives who come to visit the patients should not be charged to park their vehicles.**

- (a) Fined
- (b) Free
- (c) Costly
- (d) Cheap

**Q2. By providing education, poverty can be removed and every person can \_\_\_\_\_ to developing the country.**

- (a) Contribute
- (b) Concede
- (c) Commits
- (d) Choose

**Q3. The plan \_\_\_\_\_ building 62 million square feet of commercial, residential, and social spaces.**

- (a) Confronted
- (b) Examines
- (c) Envisaged
- (d) Launched

**Q4. Certain old customs like Not Remarrying Widows, Sati Pratha, Child Marriage, Dowry System etc. can be \_\_\_\_\_ with the power of education.**

- (a) Retained
- (b) Demolished
- (c) Emphasized
- (d) Modified

**Q5. Mary Katherine's book is appropriately titled as she is a Woman of \_\_\_\_\_.**

- (a) Principe
- (b) Principal
- (c) Principals
- (d) Principle

**Q6. Select the option that is the passive form of the given sentence.**

Let Mr. Bhaskar decide over the meeting.

- (a) Let the meeting be decided over by Mr. Bhaskar.
- (b) The meeting must be decided over by Mr. Bhaskar.
- (c) Let the meeting decided over by Mr. Bhaskar.
- (d) The meeting should be decided over by Mr. Bhaskar.

**Q7. Select the option that is the indirect form of the given sentence.**

Ram said, "I have a dental appointment this evening".

- (a) Ram informed that he has a dental appointment that evening.
- (b) Ram said that he had been having a dental appointment this evening.
- (c) Ram said that he has a dental appointment this evening.

(d) Ram said that he had a dental appointment that evening.

**Q8. Select the word which means the same as the group of words given.**

The study of insects and their relationship to humans, the environment, and other organisms.

- (a) Ethnomusicology
- (b) Ethology
- (c) Etiology
- (d) Entomology

**Q9. Given below are four jumbled sentences. Select the option that gives their correct order.**

- A. Ayurveda is considered by many scholars to be the oldest healing science.
- B. Ayurvedic knowledge originated in India more than 5,000 years ago and is often called the "Mother of All Healing."
- C. It stems from the ancient Vedic culture and was taught for many thousands of years in an oral tradition from accomplished masters to their disciples.
- D. In Sanskrit, Ayurveda means "The Science of Life."

- (a) ADBC
- (b) DABC
- (c) BADC
- (d) ADCB

**Q10. Select the word which means the same as the group of words given.**

A person who eats human flesh, especially for magical or religious purposes, as among certain tribal peoples.

- (a) Cannibal
- (b) Connoisseur
- (c) Stargazer
- (d) Carnivore

**Q11. In the following question, a sentence has been given in Active or Passive Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive or Active Voice.**

People speak English all over the world.

- (a) English is spoken all over the world.
- (b) English was spoken all over the world.
- (c) English was spoken by people.
- (d) English is spoken by people.

**Q12. In the following question, a sentence has been given in Direct or Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect or Direct speech.**

The boy said, "I did the work yesterday."

- (a) The boy said that he did the work yesterday.
- (b) The boy said that he had done the work the day before.
- (c) The boy said that he did the work the day before.
- (d) The boy said that he had done the work yesterday.

**Q13. Select the most appropriate meaning of the idiom given in bold in the given sentence.**

The fame of Indian culture, wealth, religions, philosophies, art, architecture, as well as its educational practices had spread **far and wide**.

- (a) Take on a project that you cannot finish
- (b) Very much in fashion
- (c) True to a certain extent
- (d) To a great extent or area

**Q14. Identify the segment in the given sentence which contains the grammatical error.**

During the previous 25 years, her more unique innovation and contribution to the hotel business have been recognized greatly.

- (a) During the previous 25 years
- (b) and contribution to the hotel
- (c) her more unique innovation
- (d) No Error

**Q15. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'**

India is **one of the world's richest country** in terms of its vast array of biological diversity.

- (a) One of the world richer countries
- (b) One of the worlds richest country's
- (c) No improvement
- (d) One of the world's richest countries

**Q16. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'**

Ibrahim Lodhi, son of Sikander, was the **latter** Sultan of the Lodhi Dynasty.

- (a) Latest
- (b) Last
- (c) Later
- (d) No improvement

**Q17. Select the most appropriate ANTONYM of the given word.**

Fragile

- (a) Robust
- (b) Tender
- (c) Cruel
- (d) Dull

**Q18. Select the synonym of the given word.**

Benevolent

- (a) Courageous
- (b) Distinct
- (c) Generous
- (d) Mysterious

**Q19. Select the INCORRECTLY spelt word.**

- (a) Independence
- (b) Genuine
- (c) Complesion
- (d) Coincidence

**Directions (20-21): In the following questions, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.**

Q20. He was going to (1)/ like the clothes she (2)/ bought of the trip. (3)/No Error (4)

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Q21. Romanticism was an artistic, literary, musical, cultural, (1)/ and intellectual movement that originated in (2)/ Europe to the end of the 18th century. (3)/ No error

- (4)
- (a) 1
- (b) 2
- (c) 3
- (d) 4

**Q22. Select the most appropriate meaning of the idiom given in bold in the given sentence.**

Mr. Kumar needs to go through these files **with a fine-tooth comb** to find the culprit.

- (a) Being serious about what you announce
- (b) Performing beyond your ability
- (c) To gather courage
- (d) To examine something very closely

**Q23. Select the INCORRECTLY spelt word.**

- (a) Uninhabitted
- (b) Supplement
- (c) Conceal
- (d) Ethnic

**Q24. Identify the segment in the given sentence which contains the grammatical error.**

Many a politician have promised to provide free education to all.

- (a) Many a politician
- (b) have promised
- (c) to provide
- (d) No Error

**Q25. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'**

Higher wages should allow workers to afford both health-improving **or** health-harming products.

- (a) No improvement
- (b) also
- (c) too
- (d) and

Directions (26-30): **Read the following passage carefully and choose the most appropriate answer to the question out of the four alternatives.**

A majority of Indians prefer to use the internet for accessing banking and other financial services than shopping online, shows a new survey. Almost 57% of Indian respondents prefer the internet to bank online and use other financial services due to hassle-free access and time saving feature of online banking according to the survey.

Checking information on products and services online comes a close second at 53% while 50% shop for products online. The fourth on the list—around 42% of respondents in India surfed online to look for jobs, the survey said. Online banking has made things much easier for the people and it saves a lot of time.

It has eliminated the problems associated with traditional way of banking where one had to stand in a queue and fill up several forms. Most of the banks in India have introduced customer-friendly online banking facility with advanced security features to protect customers against cybercrime. The easy registration process for net banking has improved customers' access to several banking products, increased customer loyalty, facilitated money transfer to any bank across India and has helped banks attract new customers.

The Indian results closely track the global trends as well conducted among 19216 people from 24 countries, survey showed that banking and keeping track of finances and searching for jobs are the main tasks of internet around the globe.

Overall, 60% of people surveyed used the web to check their bank account and other financial assets in the past 90 days, making it the most popular use of the internet globally, shopping was not too far behind at 48%, the survey showed and 41% went online in search of a job in terms of country preferences, almost 90% of respondents in Sweden use e-banking. Online banking has also caught on in a big way in nations like France, Canada, Australia, Poland, South Africa and Belgium, the survey showed.

The Germans and Britishers come on top for using online shopping with 74% of respondents in both countries who had bought something online in the past 3 months. They are followed by 68% of respondents in Sweden, 65% in US and 62% in South Korea.

Q26. If the given sentences were to be arranged in their order of their popularity (from most popular to least popular), which one of the following would represent the correct sequence as given in the passage?

A. Use internet to gain information about products and services.

- B. Use internet to search for jobs.
- C. Use internet for online banking.

- (a) B, A, C
- (b) C, B, A
- (c) C, A, B
- (d) A, B, C

Q27. Which of the following is not true in the context of the passage?

- (a) Internet users across the globe are mainly interested in looking for jobs and keeping track of finances
- (b) Germany and Great Britain are the top countries where online shopping is quite popular
- (c) Many people in Sweden use e-banking to maintain their finances
- (d) A majority of Indians prefer shopping online as compared to other online activities

Q28. According to the passage, banks are successful in attracting more customers due to

- A. Better training to sales staff.
  - B. Opening more branches at various locations.
  - C. Easy registration process for net banking.
- (a) Only B
  - (b) B and C
  - (c) A and B
  - (d) Only C

Q29. How many of the Indians are using the internet to shop online?

- (a) Between 40% and 50%
- (b) One-fourth of them
- (c) One-third of them
- (d) Half of them

Q30. Which of the following can be an appropriate title for the passage?

- (a) The Growing Utility of the Internet
- (b) Internet and Its Drawbacks
- (c) The Traditional versus Modern Ways of Shopping
- (d) Use of the Internet in Different Countries

Q31. Two ladies P and Q start on their scooters from the same place. P rides 8 km North, then turns West and rides 6 km, then turns to her right and rides 4 km. Q rides 10

km West, then turns to her right and rides 12 km. Where is Q with respect to P now?

- (a) 16 km West
- (b) 4 km West
- (c) 4 km East
- (d) 16 km East

Q32. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: No creepers are vines

Statement II: No climbers are creepers

Conclusion I: All vines are climbers

Conclusion II: No climbers are vines

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusions I and II follow
- (d) Neither conclusion I nor conclusion II follows

Q33. Which of the following terms follows the trend of the given list?

PRQPQPQPQ, PQRQPQPQPQ, PQPRQPQPQ, PQPQRQPQPQ, PQPQPRQPQ, \_\_\_\_\_.

- (a) PQPQ PQRQPQPQ
- (b) RPQPQPQPQ
- (c) PRQPQPQPQ
- (d) PQRQPQPQPQ

Q34. An eagle starts from its nest and flies 1 km East, then turns North and flies 2 km, then turns West and flies 7 km, then turns to its left and flies 2 km. Where is it now with respect to its nest?

- (a) 8 km West
- (b) 6 km West
- (c) 6 km East
- (d) 8 km East

Q35. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement I: No umbrellas are raincoats

Statement II: Some jackets are umbrellas

Conclusion I: All raincoats are jackets

Conclusion II: All jackets are raincoats

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusions I and II follow
- (d) Neither conclusion I nor conclusion II follows

Directions (36-38): In the following question, select the odd one from the given alternatives.

- Q36. (a) 4 : 63  
(b) 1 : 0  
(c) 5 : 124  
**(d) 2 : 15**

- Q37. (a) DEHG  
(b) RSVU  
(c) XYBA  
**(d) LMQP**

- Q38. (a) 32 : 15  
(b) 86 : 42  
**(c) 56 : 26**  
(d) 74 : 36

- Q39. In the following question, select the related letter/letters from the given alternatives.

CEG : IKM :: FHJ : ?

- (a) LNP  
(b) KMO  
(c) LNO  
(d) KMN

- Q40. In the following question, select the odd word pair from the given alternatives.

- (a) Sister – Female  
(b) Male – Father  
(c) Brother – Male  
(d) Grandmother – Female

- Q41. In the following question, four number pairs are given. The number on left side of (–) is related to the number on the right side of (–) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given options.

- (a) 14 – 28  
(b) 16 – 32  
(c) 18 – 36  
(d) 12 – 34

- Q42. In the following question, select the related letter/letters from the given alternatives.

CPW : BOV :: KQH : ?

- (a) JPG  
(b) LRI  
(c) LRJ  
(d) JQG

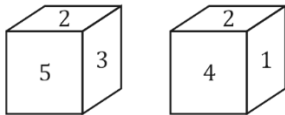
- Q43. In the following question, select the odd word from the given alternatives.



- (a) Sunday
- (b) Thursday
- (c) Monday
- (d) June

- Q44. In the following question, four number pairs are given. The number on left side of (-) is related to the number on the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the
- (a) 17 - 51
  - (b) 19 - 57
  - (c) 13 - 37
  - (d) 23 - 69

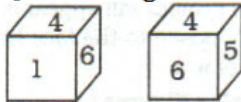
- Q45. Two different positions of the same dice are shown. Which number will be at the top if 5 is at bottom?



- (a) 4
- (b) 3
- (c) 2
- (d) 1

- Q46. Two positions of a dice are shown below. When number '1' is on the top, what number will be at the bottom?

**Question Figures**



- (a) 6
- (b) 5
- (c) 4
- (d) 2

- Q47. In the following question, select the missing number from the given series.

9, 28, 86, 261, 787, ?

- (a) 2366
- (b) 1795
- (c) 2175
- (d) 2285

- Q48. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

CG, KO, SW, AE, ?

- (a) JN
- (b) MJ
- (c) IM
- (d) JL

- Q49. Manoj walks 12 metres towards north. Then turns right and walk another 12 metres. Then right and walks for 7 metres to reach college R. He again turns to his right and walks for 12 metres. What is the straight line distance (in metres) between the starting point and college R?
- (a)  $12\sqrt{2}$   
 (b) 13  
 (c) 14  
 (d)  $14\sqrt{3}$
- Q50. From the given alternatives, select the word which CANNOT be formed using the letters of the given word.  
 Xenophobia
- (a) Phone  
 (b) Hope  
 (c) Xerox  
 (d) Open
- Q51. In a certain code language, "REGAL" is written as "TCIYN". How is "FARMS" written in that code language?
- (a) RTHKU  
 (b) HYTKU  
 (c) GTHSR  
 (d) NVKTH
- Q52. In a certain code language, '÷' represents '+', '-' represents '×', '+' represents '÷' and '×' represents '-'. Find out the answer to the following question.  
 $24 \div 14 - 5 + 10 \times 14 = ?$
- (a) 39  
 (b) 45  
 (c) 27  
 (d) 17
- Q53. The following equation is incorrect. Which two signs should be interchanged to correct the equation?  
 $12 \times 4 - 6 \div 7 + 18 = 19$
- (a) + and ×  
 (b) + and ÷  
 (c) ÷ and -  
 (d) - and +
- Q54. If  $2\Delta 5 = 5$ ,  $2\Delta 3 = 3$  and  $8\Delta 4 = 16$ , then find the value of  $16\Delta 8 = ?$
- (a) 18  
 (b) 14  
 (c) 16  
 (d) 64

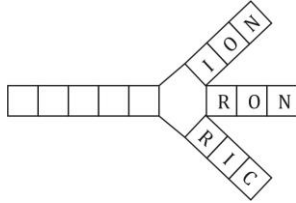
**Directions (55–56):** In each of the following, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

Q55. C E F C I A ?

- (a) D  
 (b) E  
 (c) L  
 (d) K

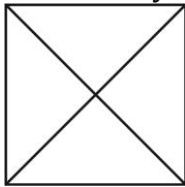
- Q56. 1049, 968, 904, ?, 819, 794  
 (a) 855 (b) 864  
 (c) 845 (d) 878

Q57. In the given figure, three words have the first five letters in common. Fill the gap with suitable letters from the given alternatives



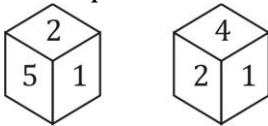
- (a) PRINT (b) SOPUT  
 (c) ELECT (d) POSIT

Q58. How many triangles are there in the given figure ?



- (a) 5 (b) 6  
 (c) 8 (d) 7

Q59. Two positions of a dice are shown below. Which number is opposite of 5 ?

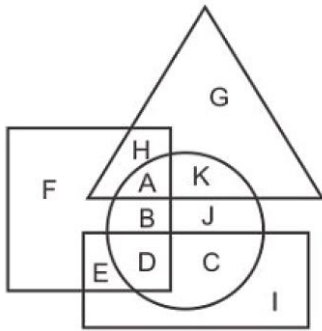


- (a) 3 (b) 2  
 (c) 1 (d) 4

Q60. In the number from 1 to 45 which are exactly divisible by 3 were arranged in ascending order. Which would come at the ninth place from the start?

- (a) 18  
 (b) 24  
 (c) 21  
 (d) 27

Q61. In the following figure, rectangle represents Technicians, circle represents Bakers, triangle represents Playwright and square represents Gymnasts. Which set of letters represents Technicians who are Bakers?



- (a) BJ
- (b) DC
- (c) AK
- (d) BD

Q62. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

HTC, LXG, PBK, TFO, ?

- (a) YKR
- (b) ZLU
- (c) WIR
- (d) XJS

Q63. In the following question, select the missing number from the given series.

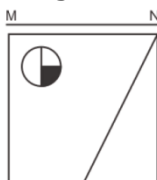
2, 4, 6, 8, ?, 12

- (a) 12
- (b) 10
- (c) 9
- (d) 11

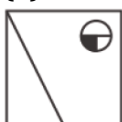
Q64. In the following question, four groups of three numbers are given. In each group the second and third number are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

- (a) (11,13, 15)
- (b) (16, 18, 20)
- (c) (13, 15, 18)
- (d) (22, 24, 26)

Q65. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



(a)



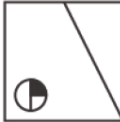
(b)



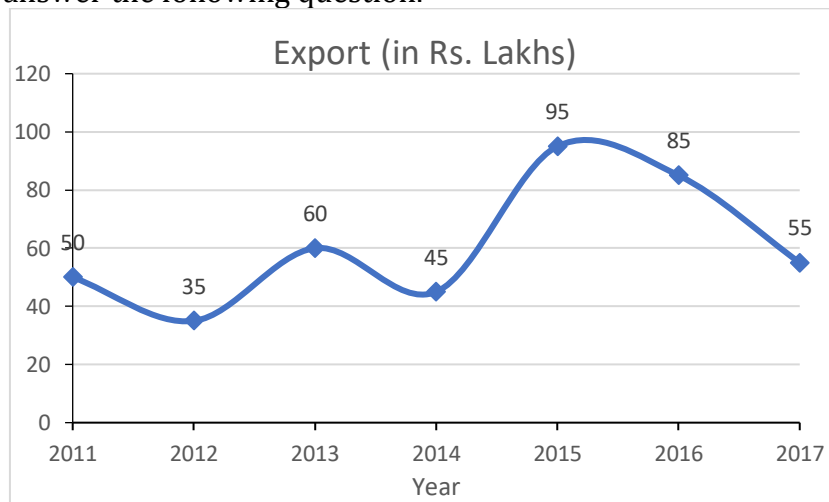
(c)



(d)



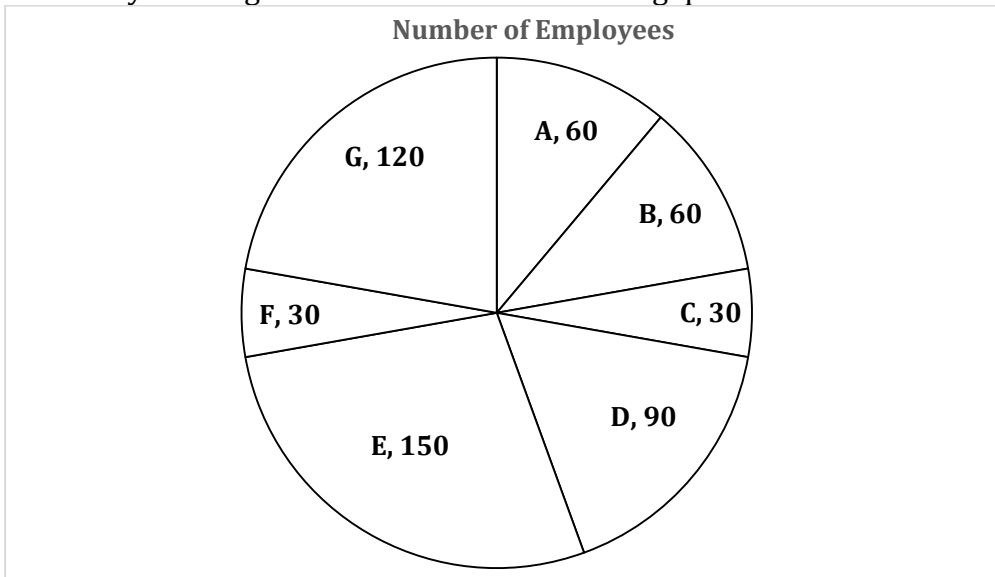
Direction (66-69): The line graph shows the exports by a certain company. Study the diagram and answer the following question.



- Q66. In which year were the exports greater than that of the previous year?
- (a) 2016
  - (b) 2015
  - (c) 2017
  - (d) 2014
- Q67. What was the difference in the exports (in Rs lakhs) between the years 2012 and 2014?
- (a) 10
  - (b) 5
  - (c) 15
  - (d) 20
- Q68. The exports in 2014 were lesser than that in 2011 by \_\_\_\_\_.
- (a) 16.7%
  - (b) 20%
  - (c) 8.5%
  - (d) 10%
- Q69. What were the total exports (in Rs lakhs) by the company in the last four years?

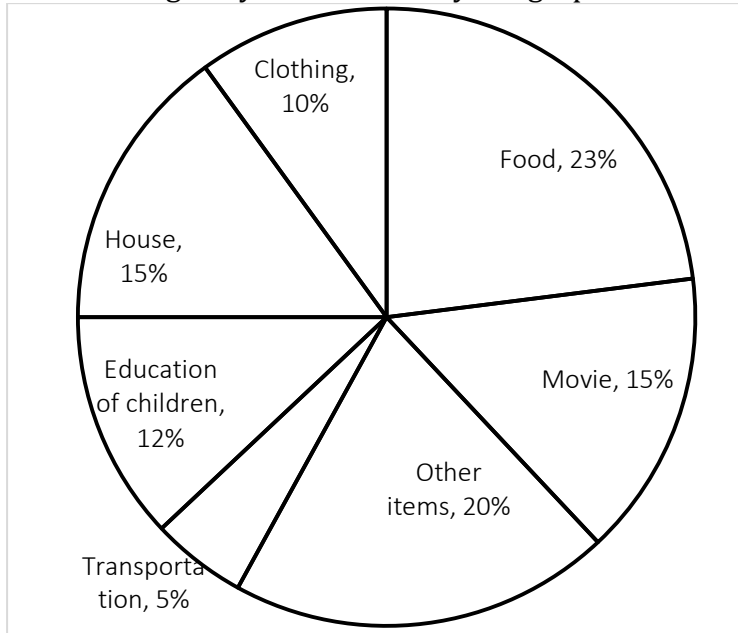
- (a) 300
- (b) 290
- (c) 280
- (d) 310

Direction (70-73): The HR department of a company prepared a report. The pie chart from this report shows number of employees in all the departments that the company has. Study the diagram and answer the following questions.



- Q70. The most number of employees belong to which department?  
(a) E  
(b) F  
(c) G  
(d) A
- Q71. What is the total number of employees of the company?  
(a) 400  
(b) 600  
(c) 480  
(d) 540
- Q72. The measure of the central angle of the sector representing department B is \_\_\_\_\_ degrees.  
(a) 30  
(b) 40  
(c) 50  
(d) 60
- Q73. If the average monthly salary of the employees of this company is Rs 20,000 then what is the total of the salaries (in Rs lakhs) paid to all the employees of this company?  
(a) 112  
(b) 120  
(c) 124  
(d) 108

Direction (74-75): The pie chart given below shows the expenses of a family on various items during the year 2001. Study the graph and answer the questions.



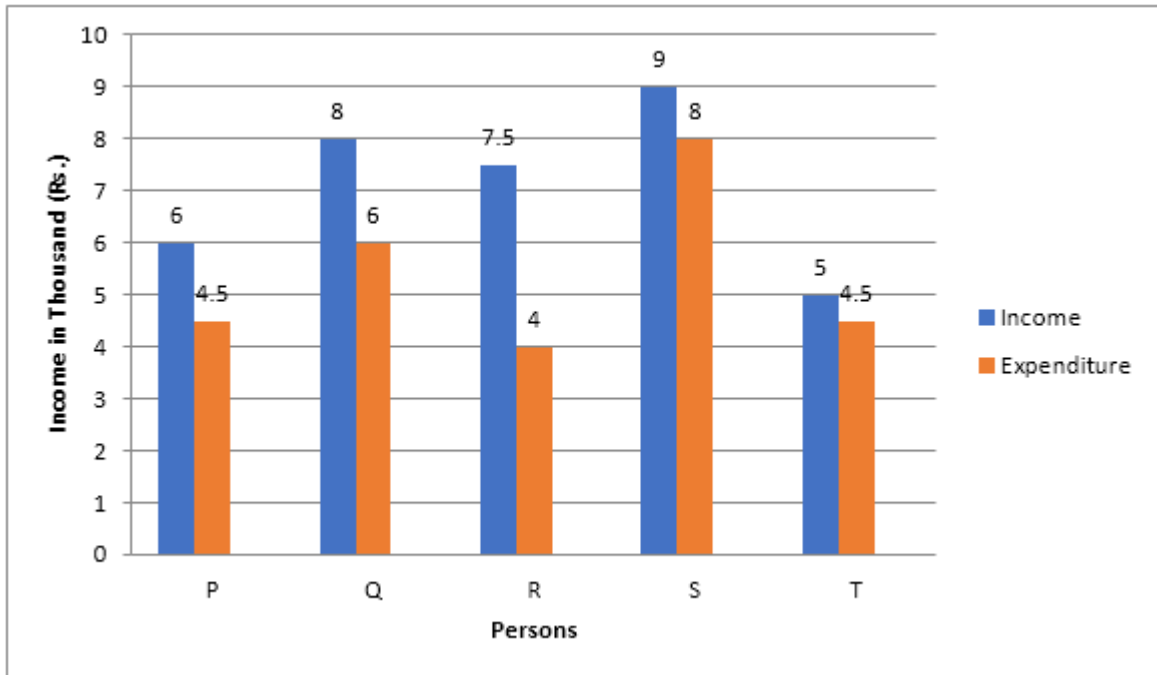
Q74. If the total expenditure for the year was Rs 100000, the difference of the expenses (in rupees) between housing and transport was:

- (a) 1500
- (b) 12000
- (c) 7000
- (d) 10000

Q75. The expenditure on movie was equal to the expenditure on:

- (a) food
- (b) clothing
- (c) House
- (d) Other item

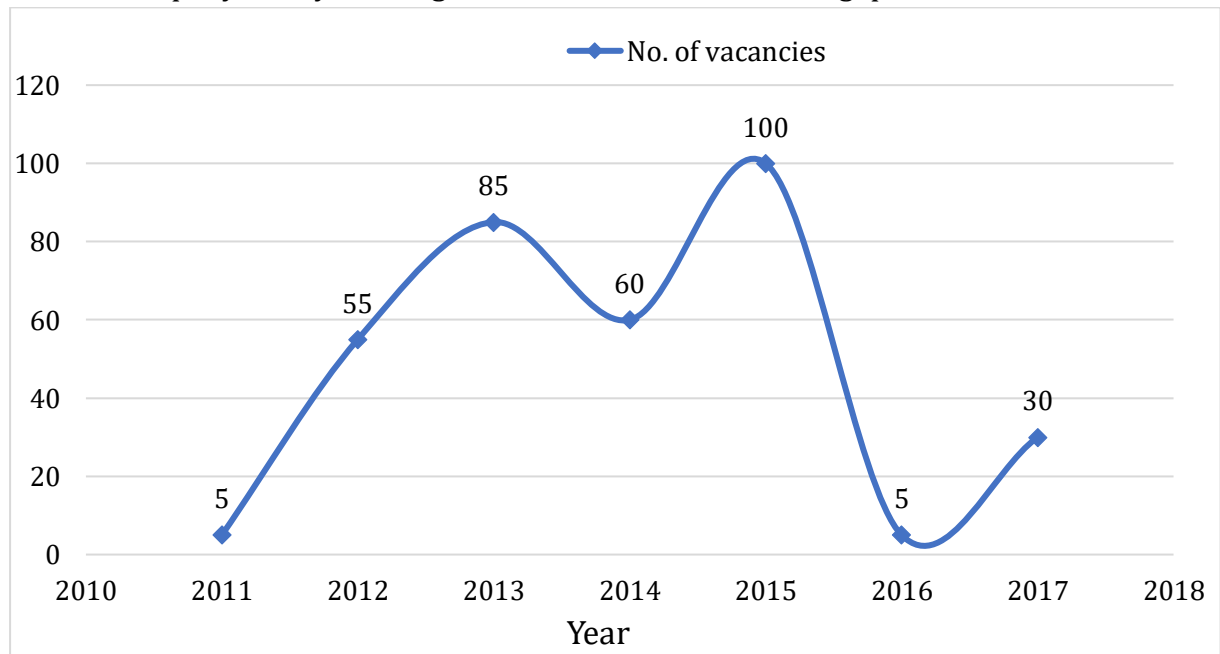
Q76. In the given graph, income and expenditure of 5 persons during the month of March has been given. Read the graph and answer the question.



What is the average income of five persons per month?

- (a) Rs.7100
- (b) Rs.6200
- (c) Rs.7000
- (d) Rs.7400

**Direction (77-80):** The line shows the number of vacancies for sales officers in a certain company. Study the diagram and answer the following questions.



Q77. In which year were the number of vacancies lesser than that of the previous year?

- (a) 2015
- (b) 2012



- (c) 2016
- (d) 2013

Q78. What was the difference in the number of vacancies between the years 2015 and 2012?

- (a) 55
- (b) 40
- (c) 50
- (d) 45

Q79. The number of vacancies in 2014 were greater than that in 2017 by \_\_\_\_\_.

- (a) 116.70%
- (b) 50%
- (c) 200%
- (d) 100%

Q80. The salary of a Sales officer in the company is Rs 20,000, then what was the expense (in Rs lakhs) due to salaries that had to be paid when posts were filled for the vacancies in the year 2015?

- (a) 25
- (b) 15
- (c) 20
- (d) 10

Q81. Simple interest on a sum for 18 months at 14% per annum is Rs 1365. What is the value (in Rs) of sum?

- (a) 6100
- (b) 7300
- (c) 8100
- (d) 6500

Q82. The difference between cost price and selling price is Rs 494. If loss percentage is 19%, then what is the selling price (in Rs)?

- (a) 2106
- (b) 2600
- (c) 3094
- (d) 2208

Q83. Manik marks the price of his toys 40% above the cost price. If he allows 20% discount, then what is the profit or loss percentage?

- (a) 4% profit
- (b) 12% profit
- (c) 8% loss
- (d) 12% loss

Q84. What is the simplified value of  $\frac{1}{\sqrt{17}-\sqrt{16}} - \frac{1}{\sqrt{16}-\sqrt{15}} + \frac{1}{\sqrt{15}-\sqrt{14}} - \frac{1}{\sqrt{14}-\sqrt{13}} + \frac{1}{\sqrt{13}-\sqrt{12}}$ ?

- (a)  $4 - 2\sqrt{3}$
- (b)  $\sqrt{17} - 3\sqrt{2}$

(c)  $\sqrt{17} + \sqrt{12}$

(d)  $4 + 2\sqrt{3}$

Q85. 30 women do half of the total work in 30 days. How many more women will be required to complete the remaining work in 10 days?

(a) 45

(b) 30

(c) 60

(d) 80

Q86. When Amar walks from P to Q and return from Q to P on cycle, it takes him 29 minutes. By walking both ways, it takes him 49 minutes. If he rides cycle both ways then what will be the total time (in minutes)?

(a) 9

(b) 11

(c) 13

(d) 15

Q87. The difference between cost price and selling price is Rs 451. If loss percentage is 11%, then what is the selling price (in Rs)?

(a) 3254

(b) 3649

(c) 3857

(d) 4100

Q88. A shopkeeper marks the price of his table 30% above the cost price. He allows his customers a discount of 12% on the marked price. What is the profit percentage?

(a) 14.4

(b) 18

(c) 16.66

(d) 12.5

Q89. Find the smallest 8-digit number which is exactly divisible by 121.

(a) 10000 045

(b) 10000076

(c) 10000024

(d) 10000055

Q90. What is the value of 53% of 7400?

(a) 4312

(b) 3478

(c) 3922

(d) 4124

- Q91. 24 men can repair a road in 50 days. If they are joined by 16 more men, then in how much time (in days) the road can be repaired?
- (a) 28
  - (b) 25
  - (c) 32
  - (d) 30
- Q92. Two motorcycles are moving towards each other with the speeds of 38 km/hr and 88 km/hr respectively. One second before the collision what will be the distance (in metres) between the two motorcycles?
- (a) 42
  - (b) 40
  - (c) 34
  - (d) 35
- Q93. If 60% of a number is added to 60, then the result is equal to the number itself. What is the number?
- (a) 150
  - (b) 120
  - (c) 100
  - (d) 180
- Q94. The ratio of salary of u, v and w is 8 : 7 : 13. If w gets Rs 3384 more than that of v, then what is the salary (in Rs) of u?
- (a) 4432
  - (b) 4512
  - (c) 4642
  - (d) 5144
- Q95. A 80-litre mixture of water and acid contains 20% acid. How much acid should be added to make the acid 60% in the new mixture?
- (a) 60
  - (b) 80
  - (c) 70
  - (d) 90
- Q96. A person purchased 10 shirts costing Rs 150 per shirt. Next day he again purchased the shirts costing Rs 150 per shirt at a discount of Rs 30 per shirt and that day he spent a total of Rs 1800. What is the average cost per shirt (in Rs)?
- (a) 125
  - (b) 132
  - (c) 138
  - (d) 144
- Q97. In a race of 100 m, A beats B by 4 m and A beats C by 2 m. By how many metres (approximately) would C beat B in another 100 m race assuming C and B run with their respective speeds as in the earlier race?
- (a) 2
  - (b) 2.04
  - (c) 2.08
  - (d) 3.2

Q98. A man walking at 5 km/hour noticed that a 225 m long train coming in the opposite direction crossed him in 9 seconds. The speed of the train is  
(a) 75 km/hour  
(b) 80 km/hour  
(c) 85 km/hour  
(d) 90 km/hour

Q99. A cyclist moves non-stop from A to B, a distance of 14 km, at a certain average speed. If his average speed reduces by 1 km per hour, he takes 20 minutes more to cover the same distance. The original average speed of the cyclist is  
(a) 5 km/hour  
(b) 6 km/hour  
(c) 7 km/hour  
(d) None of the above

Q100. A sum of money was distributed among A, B, C and D in a proportion of 7 : 5 : 3 : 4 respectively. If A gets Rs 1600 more than C, then what was D's share?  
(a) Rs 2000  
(b) Rs 2400  
(c) Rs 1600  
(d) Rs 2200

### Solutions

S1. Ans (b)

Sol. The correct answer is option b.

The word that can be filled in the blank is, 'Free'.

The latter part of the sentence states that 'relatives ..... should not be charged to park their vehicles' which indicates that the parking must be 'Free'. Hence, option (b) is the correct choice.

S2. Ans (a)

Sol. The correct answer is option a.

The word that can be filled in the blank is, 'Contribute'.

Contribute - help to cause or bring about.

Concede - admit or agree that something is true after first denying or resisting it.

Commit - pledge or bind (a person or an organization) to a certain course or policy.

S3. Ans (c)

Sol. The correct answer is option c.

The word that can be filled in the blank is, 'Envisaged'.

Envisaged - to have a mental picture of especially in advance of realization.

Confronted - face up to and deal with (a problem or difficulty).

S4. Ans (b)

Sol. The correct answer is option b.

The word that can be filled in the blank is, 'Demolished'.

Demolish - put an end to.

S5. Ans (d)

Sol. The correct answer is option d.

The word that can be filled in the blank is, 'principle'.

a man/woman of principle (=someone with strong moral ideas)

Principal - most important, consequential, or influential: CHIEF

Principe - prince; especially: the eldest son of a Spanish or Portuguese king.

S6. Ans. (a)

Sol. The correct answer is option a.

The given sentence is of 'Active voice'.

Sentences which express request, order, advice, suggestion, prohibition etc., are called imperative sentences.

The imperative sentence in the passive voice has the following structure -

Let + object + be + past participle.

The sentence thus formed is-Let the meeting be decided over by Mr. Bhaskar.

S7. Ans. (d)

Sol. The correct answer is option d.

The given sentence is 'Direct Speech'.

Direct Speech - Reporting the message of the speaker in the exact words as spoken by him.

The given sentence is 'Assertive sentence.'

While changing it into an indirect form, we consider following rules.

Reported Verb - 'Said' remains unchanged. (as the listener is unknown.)

Conjunction - In the Assertive sentence conjunction 'That' is used.

This changed to 'That.'

The sentence thus formed is - Ram said that he had a dental appointment that evening.

S8. Ans. (d)

Sol. The correct answer is option d.

Entomology - The study of insects and their relationship to humans, the environment, and other organisms.

Option (d) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S9. Ans. (a)

Sol. The correct answer is option a.

The proper arrangement is - **ADBC**.

**A** - It is the opening sentence as it introduces the topic 'Ayurveda'. (that it is considered as the oldest healing science.) Hence, it comes first.

**D** - It states what Ayurveda means in Sanskrit.

**B** - It states that Ayurveda originated in India more than 5,000 years ago.

**C** - It concludes by stating the origin of Ayurveda.

S10. Ans. (a)

Sol. The correct answer is option a.

Cannibal- A person who eats the flesh of other human beings.

Option (a) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S11. Ans.(a)

S12. Ans.(b)

S13. Ans. (d)

Sol. The correct answer is option d.

Far and wide - It is an idiomatic expression which means, 'If people come from far and wide, they come from a large number of places, some of them far away. If things spread far and wide, they spread over a very large area or distance.'

Option (d) portrays the same meaning as that of the given idiom & hence, it is the correct choice.

S14. Ans. (c)

Sol. The correct answer is option c.

The error lies in part (c) of the sentence. Remove 'More' before an adjective 'Unique' to make the sentence grammatically and contextually correct.

Incomparable adjectives describe absolute states or conditions. Modifiers like 'More and Less' do not apply to them, and they don't have comparative and superlative forms.

Examples of 'An incomparable adjectives' - unique, excellent, perfect, major, universal, whole, complete, full, unmatched.

S15. Ans. (d)

Sol. The correct answer is option d.

Replace, 'One of the world's richest country' with 'One of the world's richest countries' to make the sentence grammatically correct.

The indefinite pronouns - 'One, none, someone, anyone, everyone, somebody, anybody' are followed by singular nouns and singular verbs but when these pronouns are followed by 'Of the' then it is followed by 'Plural noun and singular verb'.

The possessive form is used with nouns referring to people, groups of people, countries, and animals. It shows a relationship of belonging between one thing and another. To form the possessive, add apostrophe + s to the noun. If the noun is plural, or already ends in s, just add an apostrophe after the s. Hence, usage of 'World's' is correct.

S16. Ans. (b)

Sol. The correct answer is option b.

Replace, 'Latter' with 'Last' to make the sentence grammatically correct.

Last (Adjective) - Being the only remaining.

For example - She was the last of the great educational reformers.

Latter (Adjective)- when referring to the second of two persons or things mentioned previously.

For example - We have a dog and a cat. Of the two, the latter makes less noise.

Latest (Adjective) - most recent.

For example - This is the latest book. Here's the latest news.

Later (Adjective) - at a time in the future; after the time you are talking about

For example - We could catch a later train.

S17. Ans. (a)

Sol. The correct answer is option a.

Fragile - easily damaged, broken, or harmed.

Synonyms - breakable, delicate, frail, frangible.

Antonyms - infrangible, non-breakable, strong, sturdy, tough, unbreakable, Robust.

S18. Ans. (c)

Sol. The correct answer is option c.

Benevolent - kind and generous

Synonyms - compassionate, good-hearted, humane, kindly, sympathetic, tender.

Antonyms - heartless, inhuman, sadistic, savage, uncompassionate, unfeeling, unkind, unkindly, unsympathetic.

Option (c) portrays the same meaning as that of the given word & hence it is the correct choice.

S19. Ans. (c)

Sol. The correct answer is option c.

The correct spelling is 'Complexion'.

Remaining words are spelt correctly.

S20. Ans.(c)

Sol. "Of" should be replaced with "for."

We buy something for party, wedding or for someone.

S21. Ans (c)

Sol. Replace "to the end" with "by the end".

S22. Ans. (d)

Sol. The correct answer is option d.

A fine-tooth comb – It is an idiomatic expression which means, 'To examine something very closely'.

Option (d) portrays the same meaning as that of the given idiom & hence, it is the correct choice.

S23. Ans. (a)

Sol. The correct answer is option a.

The correct spelling is 'Uninhabited'.

Remaining words are spelt correctly.

S24. Ans. (b)

Sol. The correct answer is option b.

The error lies in part (b) of the sentence. Replace 'Have' with 'Has' to make the sentence grammatically and contextually correct.

Many a/an - It is used to indicate a large number of things. However, it takes a singular noun, which is followed by a singular verb.

S25. Ans. (d)

Sol. The correct answer is option d.

The correct conjunction pair is 'both....and'.

Hence replace 'or' with 'and' to make the sentence grammatically and contextually correct.

S26. Ans.(c)

Sol. As online banking feature is used most frequently, followed by information about products and services 57% and 53%, respectively.

S27. Ans.(d)

Sol. It is clearly mentioned in the passage that 57% Indians prefer online banking, as compared to online shopping 50%.

S28. Ans.(d)

Sol. It has been mentioned in the fifth paragraph that easy registration process has attracted more customers to the banks.

S29. Ans.(d)

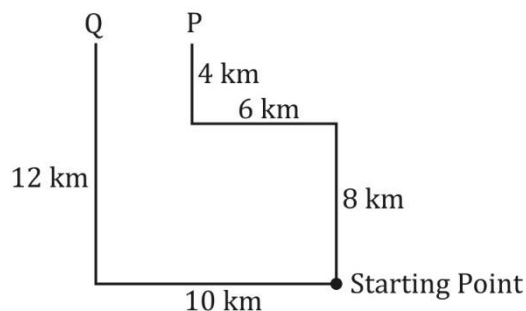
Sol. The fourth paragraph clearly mentions the 50% (half) of the Indians are used internet for shopping online

S30. Ans. (a)

Sol. Since, the passage mainly talks about the utility of the internet, so option (a) is the appropriate title for the passage.

S31. Ans.(b)

Sol.



Distance between p & q =  $10 - 6 = 4$  km.

Now Q is 4 km west with respect to P.



S32. Ans.(d)

Sol.

I. ×

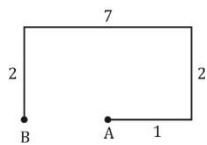
II. ×

S33. Ans.(a)

Sol. R is changing its position, P Q P Q P Q R P Q

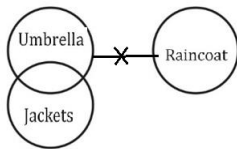
S34. Ans.(b)

Sol. AB = 6 km West



S35. Ans.(d)

Sol. Neither conclusion I nor conclusion II follows



S36. Ans.(d);

Sol. ( $a : a^3 - 1$ ) pattern, except option(d)

S37. Ans.(d);

Sol. (+1, +3, -1) pattern, except option (d)

S38. Ans.(c);

Sol. Second number is one less than half the first number.

S39. Ans.(a)

Sol.

+6, +6, +6 pattern

S40. Ans.(b)

Sol.

Correct format should be father - Male

S41. Ans.(d)

Sol.

×2 pattern except option (d)

S42. Ans.(a)

Sol. -1 pattern

S43. Ans.(d)

Sol. except option (d) all are days of a week.

S44. Ans.(c)

Sol.  $\times 3$  pattern

S45. Ans.(a)

Sol.

2 3 5

6 1 4

S46. Ans. (b):

Sol. When both 6 and 4 are in the same position of cube, 5 should be opposite to 1.

S47. Ans. (a)

Sol.  $9 \times 3 + 1 = 28$

$28 \times 3 + 2 = 86$

$86 \times 3 + 3 = 261$

$261 \times 3 + 4 = 787$

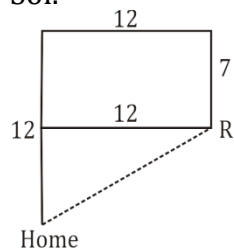
$787 \times 3 + 5 = 2366$

S48. Ans. (c)

Sol. (+8, +8) pattern series.

S49. Ans. (b)

Sol.



$$\begin{aligned} \text{Shortest distance} &= \sqrt{(12 - 7)^2 + 12^2} \\ &= \sqrt{5^2 + 12^2} = 13 \end{aligned}$$

S50. Ans. (c)

Sol.

S51. Ans. (b)

Sol. It follows (+2, -2) pattern

Hence, FARM  $\rightarrow$  HYTKU

S52. Ans.(d)

Sol.  $24 \div 14 - 5 + 10 \times 14$

$\Rightarrow 24 + 14 \times 5 \div 10 - 14$

$= 24 + 7 - 14$

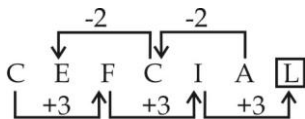
$= 17$

S53. Ans. (c)

Sol.  $12 \times 4 - 6 \div 7 + 18 = 19$   
On interchanging  $\div$  and  $-$ , LHS = RHS

S54. Ans. (d)  
Sol.  $2\Delta 5 = 2 \times 5 \div 2 = 5$   
Similarly,  
 $16 \Delta 8 = 16 \times 8 \div 2 = 64$

S55. Ans.(c)  
Sol.



S56. Ans.(a);  
Sol. Subtract  $9^2, 8^2, 7^2 \dots$  in series.  
S57. Ans.(c);  
Sol. ELECT  
S58. Ans.(c);  
Sol.  
S59. Ans.(d);  
Sol. 4  
S60. Ans.(d);  
Sol. 3, 6, 9, ..., 45  
Ninth term is  $3 \times 9 = 27$

S61. Ans.(b)  
Sol.  
DC

S62. Ans.(d)  
Sol.  
+4 series

S63. Ans.(b)  
Sol.  
+ 2 series

S64. Ans.(c)  
Sol.  
Except in option (c), +2 pattern follows in other options.

S65. Ans.(d)

Sol.

S66. Ans.(b)

Sol.

S67. Ans.(a)

Sol.

$$45 - 35 = 10$$

S68. Ans.(d)

Sol.

$$\text{Required percentage} = \frac{50-45}{50} \times 100 = 10\%$$

S69. Ans.(c)

Sol.

Total exports (in Rs lakhs) in last four years

$$= 45 + 95 + 85 + 55 = 280$$

S70. Ans.(a)

Sol.

S71. Ans.(d)

Sol.

$$60 + 60 + 30 + 90 + 150 + 30 + 120 = 540$$

S72. Ans.(b)

Sol.

$$\frac{60}{540} \times 360^\circ = 40^\circ$$

S73. Ans.(d)

Sol.

$$20,000 \times 540 = 108 \text{ lakhs}$$

S74. Ans.(d)

$$\text{Sol. Required difference} = 100000 \times (15 - 5)\% = \text{Rs } 10,000$$

S75. Ans.(c)

Sol.

$$\text{Expense on house} = \text{Expense on movie} = 15\%$$

S76. Ans. (a)

Sol.

$$\text{Income of P} = 6$$

$$\text{Income of Q} = 8$$

$$\text{Income of R} = 7.5$$

$$\text{Income of S} = 9$$

Income T = 5

So, the average income of all =  $\frac{(6+8+7.5+9+5)}{5} \times 1000 = 35.5 \times 200 = \text{Rs. } 7100$

S77. Ans. (c)

Sol. Out of the 4 options, in 2016 & 2014, the number of vacancies are lesser than that of the previous year, but 2014 is not in options.

S78. Ans.(d)

Sol. Required difference =  $100 - 55 = 45$

S79. Ans.(d)

Sol. Required percentage

$$= \frac{60 - 30}{30} \times 100 = 100\%$$

S80. Ans. (c)

Sol. Required increase in the expenses

$$= 100 \times 20,000$$

= Rs. 20 lakhs

S81. Ans.(d)

Sol.

We have,

$$\Rightarrow 1365 = \frac{P \times 14 \times 3}{2 \times 100}$$

$$P = \frac{1365 \times 200}{42} = 65 \times 100 = \text{Rs. } 6500$$

S82. Ans.(a)

Sol.

Loss % = 19%

Let, CP = 100 unit

∴ SP = 81 unit

We have, 19 unit = 494

$$SP = 81 \text{ unit} = \frac{494}{19} \times 81 = 26 \times 81 = \text{Rs. } 2106$$

S83. Ans.(b)

Sol.

Let CP = 100

∴ MP = 140

$$SP = 140 \times \frac{80}{100} = 112$$

Profit % = 12%

S84. Ans.(c)

Sol.

$$\begin{aligned} & \frac{1}{\sqrt{17}-\sqrt{16}} - \frac{1}{\sqrt{16}-\sqrt{15}} + \frac{1}{\sqrt{15}-\sqrt{14}} - \frac{1}{\sqrt{14}-\sqrt{13}} + \frac{1}{\sqrt{13}-\sqrt{12}} \\ &= \sqrt{17} + \sqrt{16} - \sqrt{16} - \sqrt{15} + \sqrt{15} + \sqrt{14} - \sqrt{14} - \sqrt{13} + \sqrt{13} + \sqrt{12} \\ &= \sqrt{17} + \sqrt{12} \end{aligned}$$

S85. Ans.(c)

Sol.

We have

$$\frac{30 \times 30}{\frac{1}{2}} = \frac{(30+x) \times 10}{\frac{1}{2}}$$

$$\Rightarrow 90 = 30 + x$$

$$\Rightarrow x = 60$$

S86. Ans.(a)

Sol.

$$W + C = 29 \text{ min}$$

$$W + W = 49 \text{ min}$$

$$2W = 49$$

$$W = \frac{49}{2}$$

$$\therefore C = 29 - W = 29 - \frac{49}{2} = \frac{9}{2}$$

$$2C = \frac{9}{2} \times 2 = 9 \text{ min}$$

S87. Ans.(b)

Sol.

$$\text{Loss \%} = 11\% = \frac{11}{100}$$

$$CP = 100, SP = 89$$

We have, 11 unit = 451

$$\therefore SP = 89 \text{ unit} = 41 \times 89 = \text{Rs}3649$$

S88. Ans.(a)

Sol.

$$\text{Let CP} = 100$$

$$\text{MP} = 130$$

$$SP = 130 \times \frac{88}{100} = 114.4$$

$$\text{Profit percentage} = 14.4\%$$

S89. Ans.(a)

Sol.

Smallest 8-digit number = 10000000

Now let us divide 10000000 by 121

$$= \frac{10000000}{121} = 82644.628$$

$$\approx 82645$$

$$\text{Now, } 82645 \times 121 = 10000045$$

Which is required number

### **Method-2**

The number which is exactly divisible by 121 should also be divisible by  $11 \times 11$ .

Only option (a) is divisible by 11

S90. Ans. (c)

Sol.

$$7400 \times \frac{53}{100} = 75 \times 53 = 3922$$

S91. Ans. (d)

Sol.

We have

$$M_1 D_1 = M_2 D_2$$

$$24 \times 50 = 40 \times D_2$$

$$\Rightarrow D_2 = 30$$

S92. Ans. (d)

Sol.

We have

Relative speed of two motorcycles

$$= 38 + 88 = 126 \text{ km/h}$$

$$= 126 \times \frac{5}{18} \text{ m/s}$$

$$= 35 \text{ m/s}$$

Distance between two motorcycles

One second before

The collision = 35 m

S93. Ans. (a)

Sol.

Let the number be  $x$

ATQ,

$$0.6x + 60 = x$$

$$\Rightarrow 0.4x = 60$$

$$\Rightarrow x = 150$$

S94. Ans. (b)

Sol.

Given ratio of salary

$$u, v, w = 8 : 7 : 13$$

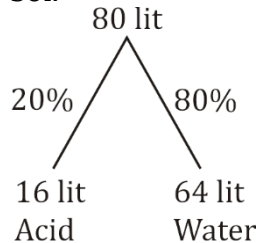
Now, ATQ,

$$6 \text{ units} = \text{Rs } 3384$$

$$8 \text{ units} = \frac{3384}{6} \times 8 = \text{Rs } 4512$$

S95. Ans.(b)

Sol.



Now,

Let  $x$  be the amount of acid added, so that acid is 60% in the mixture

$$\therefore \frac{16 + x}{80 + x} = \frac{60}{100}$$

$$\Rightarrow 80 + 5x = 240 + 3x$$

$$\Rightarrow x = 80 \text{ liters}$$

S96. Ans.(b)

sol.

Total cost of the shirts purchased

$$= \text{Rs } 1500 + \text{Rs } 1800 = \text{Rs } 3300$$

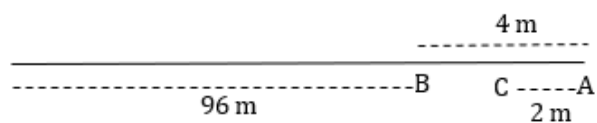
$$\text{Total no. of shirts purchased} = 10 + \frac{1800}{(150-30)}$$

$$= 10 + 15 = 25$$

$$\therefore \text{Average cost per shirt} = \frac{3300}{25} = \text{Rs } 132$$

S97. Ans.(b)

Sol.



Case 1:

Speed  $\propto$  Distance

$$\frac{S_B}{S_C} = \frac{96}{98} = \frac{48}{49}$$

$$\frac{D_B}{D_C} = \frac{S_B}{S_C}$$

Case 2:

$$\frac{D_B}{D_C} = \frac{S_B}{S_C}$$

$$\Rightarrow \frac{D_B}{100} = \frac{48}{49}$$

$$\Rightarrow D_B = 97.96$$

$$\Rightarrow D_B = 97.96$$

$$\Rightarrow D_B = 97.96$$

Therefore, C will beat B by  $(100 - 97.96) = 2.04 \text{ m}$



S98. Ans.(c)

Sol.

$$S_m + S_t = \frac{l}{t}$$

$$\Rightarrow (5 + x) \times \frac{5}{18} = \frac{225}{9}$$

$$\Rightarrow 5 + x = 90$$

$$\Rightarrow x = 85 \text{ km/hour}$$

S99. Ans.(c)

Sol.

$$t = \frac{d}{s_1} - \frac{d}{s_2}$$

$$\Rightarrow \frac{20}{60} = 14 \left( \frac{1}{s-1} - \frac{1}{s} \right)$$

$$\Rightarrow \frac{1}{42} = \frac{1}{s-1} - \frac{1}{s}$$

$$\Rightarrow \frac{1}{42} = \frac{1}{6} - \frac{1}{7}$$

Hence,  $s = 7 \text{ km/hour}$

S100. Ans.(c)

Sol.

Atq,

$$7x - 3x = 4x \rightarrow \text{Rs } 1600$$

$$x \rightarrow \text{Rs } 400$$

$$\text{D's share} = 4x \rightarrow \text{Rs } 1600$$