

English Language

Directions (Q. 1-10) Read the following passage carefully and answer the questions given below it.

A long time ago, on a big tree in the lap of the mountain, lived a bird named Sindhuka. It was a **rather** special bird because its droppings turned into gold as soon as they hit the ground.

One day, a hunter came to the tree in search of prey and he saw Sindhuka's droppings hit the ground and turn into gold. The hunter was struck with wonder. He thought, "I have been hunting birds and small animals since I was a boy, but in all my 80 years, I have never seen such a miraculous creature. He decided that he had to catch the bird somehow. He climbed the tree and **skillfully** set a trap for the bird. The bird, quite unaware of the danger it was in, stayed on the tree and sang merrily. But it was soon caught in the hunter's trap. The hunter immediately seized it and shoved it into a cage.

The hunter took the bird home joyfully. But as he had time to think over his good fortune later, he suddenly realised, "If the king comes to know of this wonder, he will certainly take away the bird from me and he might even punish me for keeping such a rare treasure all to myself. So it would be safer and more honourable if I were to go to the king and present the unique bird to him," The next day, the hunter took the bird to the king and presented it to him in court with great **reverence**. The king was delighted to receive such an unusual and rare gift. He told his courtiers to keep the bird safe and feed it with the best bird food available.

The king's prime minister though, was **reluctant** to accept the bird. He said "O Rajah, how can you believe the word of a foolish hunter accept this bird? Has anyone in our kingdom ever seen a bird dropping gold? The hunter must be either crazy or telling lies. I think it is best that you **release** the bird from the cage." After a little thought, the king felt that his prime minister's words were correct. So he ordered the bird to be released. But as soon as the door of the cage was thrown open, the bird flew out, perched itself on a nearby doorway and defecated. To everyone's surprise, the dropping immediately turned into gold. The king mourned his loss.

1. Which of the following is possible the most appropriate title for the story?
 - a) The Skilled Hunter
 - b) The King's Prime Minister
 - c) The King's Defeat
 - d) The Bird with the Gold Dropping
 - e) The Trials and Tribulations of the Foolish Bird Sindhuka
2. Which of the following emotions made the hunter gift the bird to the king?
 - a) Respect
 - b) Joy
 - c) Pride
 - d) Fear
 - e) Awe
3. Which of the following is true according to the story?
 - a) Birds like Sindhuka were very common in the area near the mountain
 - b) Sindhuka remained caged for the rest of its life
 - c) Sindhuka was unaware of the trap laid by the hunter
 - d) The King, when told to not accept the bird, did not listen to his Prime Minister
 - e) All are true
4. Why was the king's Prime Minister reluctant to accept the bird?
 - a) He believed that the bird would die if caged
 - b) He knew about the hunter's habit of lying
 - c) He believed that the bird would bring bad luck to the king
 - d) His sources had informed him that the hunter was crazy
 - e) None of these

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5. How did the hunter find Sindhuka?
- He had read stories about the bird and had set traps at various locations in the city
 - He followed the bird's droppings
 - He was on the lookout for a prey when he chanced upon it
 - People from the city had informed him about the bird's whereabouts
 - He was attracted by the birds calls

Directions (Q. 6-8) Choose the word which is most similar in meaning to the word/group of words printed in bold as used in the passage.

6. Rather
- | | | |
|------------|----------|------------|
| a) Regular | b) Quite | c) Instead |
| d) But | e) Known | |
7. Release
- | | | |
|---------------|----------------|---------|
| a) Free | b) Vacate | c) Vent |
| d) Let expire | e) Make public | |
8. Reverence
- | | | |
|------------|----------------|-----------------|
| a) Respect | b) Detail | c) Astonishment |
| d) Hope | e) Remembrance | |

Directions (Q. 9-10) Choose the word which is most opposite in meaning to the word printed in bold as used in the passage.

9. Reluctant
- | | | |
|-------------|-----------|-----------|
| a) True | b) Clever | c) Averse |
| d) Hesitant | e) Keen | |
10. Skilfully
- | | | |
|------------|----------------|-----------|
| a) Angrily | b) Haphazardly | c) Highly |
| d) Cheaply | e) Deftly | |

Directions (Q. 11-21) Read the following passage carefully and answer the questions given below it.

The King of Kanchi set off to conquer Kamat. He was victorious in battle. The elephants were laden with sandalwood, ivory gold and precious stones, taken from the conquered kingdom of Kamat. They would be a part of the victory parade for his subjects. On his way back home he stopped at a temple, finished his prayers to the goddess and turned to leave. Around his neck, was a garland of scarlet hibiscus and as was the custom for all, his forehead was anointed with red sandal paste. His Minister and the court jester were his only companions. At one spot, in a mango grove by the wayside, they **spied** some children play. The King said, "Let me go and see what they are playing."

The children had lined up two rows of clay dolls and were playing warriors and battles. The king asked, "Who is fighting with whom?" They said, "Kamat is at battle with Kanchi." The king asked, "who is winning and who is the loser?" The children puffed their chests up and said, "Kamat will win and Kanchi will lose." The Minister **froze** in disbelief, the King was furious and the jester burst into laughter.

The King was soon joined by his troops and the children were still **immersed in** their game. The King commanded, "Cane them hard." The children's parents came running from the nearby village and said, "They are naïve, it was just a game, please grant them **pardon.**" The King called his commander and ordered, "Teach these children and the village a lesson so that they never forget the king of Kanchi." He went back to his camp.

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That evening the commander stood before the King. He bowed low in shame and said, "Your Majesty, with the exception of hyenas and vultures, all lie silent in the village." The Minister said, "His Majesty's honour has been saved." The priest said, "The goddess has blessed our King." The jester said, "Your highness, please grant me **leave** to go now." The King asked, "But why?" The jester said, "I cannot kill, I cannot maim, I can only laugh at God's gift of life." Trembling in the face of the King's anger he bravely continued, "If I stay in your Majesty's court, I shall become like you and I shall forget how to laugh."

11. Why were the elephants carrying loads of gold and other valuables?
 - a) This was what the king had looted from Karnat to distribute among his soldiers as a reward
 - b) This was the king's offering to the deity out of gratitude for making him victorious
 - c) It was what the king had plundered from Karnat to display to the people of his kingdom as a sign of victory
 - d) So that the people of the kingdom of Karnat acknowledged him as their new ruler
 - e) None of these
12. Why did the king anoint his head with red sandal paste?
 - a) As a mark of celebration to show he had been victorious
 - b) It was the usual practice for all devotees at the temple
 - c) To show other devotees that he was king
 - d) To priest requested him to do so
 - e) To show his soldiers that he had visited the temple
13. What excuse was given for the children's behaviour?
 - a) They were disobedient to their parent's wishes
 - b) They were unaware of the true facts of the battle
 - c) They were upset that their army had lost
 - d) They were in the habit of lying
 - e) None of these
14. Which of the following is true in the context of the passage?
 - a) The king stopped at the temple to see what else could be plundered
 - b) The people of the village to which the children belonged developed great respect for the king
 - c) The commander was ashamed at having obeyed the king's orders to cane the children
 - d) The jester was unhappy that the king had defeated the army of Karnat
 - e) None of these
15. Why did the jester resign from his post?
 - a) He felt that the king was too influenced by the Minister
 - b) To show that he disapproved of the king's action of punishing the children
 - c) He did not want to accompany the king on his war campaign
 - d) He was no longer able to make the king laugh
 - e) None of these
16. Why was the king angry with the children?
 - a) Because the game they were playing was dangerous
 - b) They had lied him
 - c) They did not recognize him as king
 - d) They had unknowingly insulted him
 - e) They were rude to him

Directions (Q. 17-19) Choose the word which is most nearly the same in meaning as the word printed in bold as used in the passage.

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17. Froze
a) Cold b) Numb c) Shivered
d) Stood still e) Chill
18. Leave
a) Holiday b) Transfer c) Exit
d) Permission e) Farewell
19. Spied
a) Noticed b) Keep watch c) Followed
d) Spot e) Caught

Directions (Q. 20-21) Choose the word which is most opposite in meaning of the word printed in bold as used in the passage.

20. Immersed in
a) Safe from b) Distracted from c) Boring
d) Drowning in e) Entertained by
21. Pardon
a) Punishment b) Excuse c) Convict
d) Intolerance e) Imprison

Directions (Q. 22-29) Read the passage carefully and answer the questions given below it. Certain words/phrases are given in bold to help you locate them while answering some of the questions.

Various measures have been deployed to combat food inflation. Subsidies on food and fertilisers, imports of food as well as regulations to prevent hoarding farm produce did succeed in stabilising prices from time to time. But such crisis management has been able to provide only short lived relief, and prices have gone up from 2007.

Bringing down food inflation will benefit the consumer, but make prices unattractive to farmers. This will **accentuate** poverty. Unremunerative prices discourage investments in agriculture, causing supply side shortages, **fueling** inflation further. So, the most effective way of prices, ploughing a larger share of the consumer spend back to the farmer.

First we need to lower transaction costs. The Agricultural Produce Market Committee Acts mandate all farm produce should be brought to mandis for farmer pays to transport his produce over loing distances, before knowing the price at which his produce would be sold, or whether any other market would have paid a better price.

The journey from farm to consumer involves multiple levels of transportation, handling expenses, commissions of agents and a mandicess, adding nearly 20% cost to food prices. This **absurdity** was acknowledged years ago, and a new Model APMC Act recommended by the Centre in 2003.

This Model Act must be implemented in all states. Unless farmers have the freedom to sell at farm-gate or other transparent platforms directly to buyers, transaction costs will remain high and drive consumer prices higher. Next, we need to cut wastage. Anywhere from, 5% to 40% of food is wasted along the chain, depending on the perishability of the crop and the season. First, market instruments must empower farmers to produce as per tommorrow's demand, rather than be guided by yesterdat's prices.

If the Forward Contracts Regulation Act is amended to permit trading in options, farmers are assured of a minimum price when sowing, based on future projections **simulated** by a market consensus. This will align production volumes to future demand conditions and minimise wastage.

22. What has been the overall effect of the various measures taken to combat food inflation?
a) Such measures have successfully stablised prices of food items for a longer period

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47. AJTKLU
a) 9\$%386
d) --\$%38^
- b) \$\$%38\$
e) None of these
- c) ^\$%38—
48. ORBETH
a) -5#7%^
d) 45#7%2
- b) ^5 #7%--
e) None of the above
- c) 25#7%4
49. KEOMPA
--72@©^
d) 972@©3
- b) ^72@©--
e) None of the above
- c) 372@©9
50. IJLTPU
a) *\$8%©6
d) 6\$8%©*
- b) *\$8%©*
e) None of the above
- c) 6\$8%©6

Directions (Q. 51 - 56) In each question below is given a group of letters followed by four combinations of digits/symbols numbered a, b, c and d. you have to find out which of the combinations correctly represents the group of letters based on the following digits/symbols coding system and the condition those follow and mark the number of that combination as the answer. If none of the combinations correctly represents the group of letters mark e) i.e. None of these as the answer.

Letter: P M A I D E J K F N Q B U W T
Digit/Symbol Code 6 9 5 # 7 \$ 1 % 2 @ 8 © 3 * 4

Conditions:

- If the first letter is a consonant and the last letter is a vowel the codes are to be interchanged.
- If the first letter is a vowel and the last letter is a consonant both are to be coded as the code for the vowel.
- If both the first and the last letters are consonants both are to be coded as the code for the last letter.

51. MKJIDE
a) 9%1#7\$
d) \$%17#9
- b) \$%1#79
e) None of these
- c) 91%#7\$
52. INQBWU
a) #@8©*3
d) 3#@8©*
- b) 3@8©*#
e) None of these
- c) #8@*©3
53. KFBPAW
a) *2©65%
d) %2©65*
- b) % 2©65%
e) None of these
- c) *2©65*
54. EFDJTP
a) 62714\$
d) \$2714\$
- b) \$27146
e) None of these
- c) \$27416
55. NWANUD
a) @*5@37
d) @*5@3@
- b) 7*5@3@
e) None of these
- c) @5*@37

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56. APFTQI

- a) #62485
d) 56248#

- b) #6248#
e) None of these

c) 562485

Directions (Q. 57 - 61) Read the following information carefully and answer the given questions.

A word/number arrangement machine when given an input line of words and numbers rearrange them following a particular rule in each step. The following is an illustration of input and rearrangement.

(All the numbers are two digits numbers)

Input: 33 food water 19 42 air 27 54 72 fire lunch 62 cool not

Step 1: 19, 33 food 42 air 27 54 72 fire lunch 62 cool not water

Step 2: 27 19 33 food 42 air 54 72 fire lunch 62 cool water not

Step 3: 33 27 19 food 42 air 54 72 fire 62 cool water not lunch

Step 4: 42 33 27 19 air 54 72 fire 62 cool water not lunch food

Step 5: 54 42 33 27 19 air 72 62 cool water not lunch food fire

Step 6: 62 54 42 33 27 19 air 72 water not lunch food fire cool

Step 7: 72 62 54 42 33 27 19 water not lunch food fire cool air

And step 7 is the last step of the above input, as the desired arrangement is obtained.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input: Rail 43 27 Book Coach 56 Ticket waiting confirm 62 35 72 sleeper 16

(All the numbers are two digit numbers)

57. Which step number is the following output?

'56 43 35 27 16 Book Coach 62 72 waiting ticket sleeper rail confirm

- a) Step 4
d) Step 7
- b) Step 5
e) None of these
- c) Step 6

58. Which of the following step represents the maximum gap between 'Ticket' and '35'?

- a) Step 2
d) Step 5
- b) Step 3
e) None of these
- c) Step 4

59. In step 5, if 'Book' is related to 'waiting' and in the same way '27' is related to '62'. Which of the following would '72' be related to in the same pattern?

- a) Ticket
d) 35
- b) Rail
e) None of these
- c) Sleeper

60. In step 4, which of the following word/number would be at 4th position from the left end?

- a) 16
d) Rail
- b) 27
e) None of these
- c) Book

61. Which of the following would be one of the step?

- a) 27 16 Rail 43 Book Coach 56 Confirm 62 35 sleeper 72 waiting Ticket
b) 43 35 27 16 Book Coach Confirm 62 56 72 waiting sleeper Ticket Rail
c) 62 56 43 35 27 16 72 waiting sleeper ticket Rail confirm Coach Book
d) 35 27 16 Rail 43 Book Coach 56 Confirm 62 72 waiting Ticket sleeper
e) 56 43 35 27 16 Book confirm 62 72 waiting Ticket sleeper Rail coach

Directions (Q. 62 - 68) Study the following information carefully and answer the questions based on it.

A set of words and numbers is passed through an arrangement machine and following rearrangement is obtained.

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e) If the inference is “definitely false” i.e. it cannot possibly be drawn from the facts given or it contradicts the given facts.

A recent report that satellite data shows groundwater levels in northern India depleting by as much as a foot per year, over the past decade, is a matter of concern. The clear writing on the wall is that India faces a turbulent water future and veritable crisis without proactive policy and sustainable practices. Besides, the poor monsoon this season and the resultant drought situation pan-India, calls series of glaring anomalies do need to be addressed. For one, there’s far too much reliance on groundwater. For another, out water infrastructure for storage and supply is sorely inadequate. Worse, policy distortions in artificially underpricing key agri-inputs like power have perversely incentivised cultivation of water intensive crops like paddy in traditionally wheat growing areas.

69. India has failed to take measures to recharge groundwater adequately in northern part.
70. Wheat cultivation in India requires comparatively more water than paddy.
71. Water level in other parts of India is stable during the last decade.
72. India has now put in place a system to reduce over dependence on groundwater.
73. Adequate monsoon helps in drawing less ground water for cultivation and thus preserve balance.

In making decisions about important questions, it is desirable to be able to distinguish between “strong” arguments and “weak” arguments. “Strong” arguments must be both important and directly related to the question. “Weak” arguments may not be directly related to the question and may be of minor importance or may be related to the trivial aspects of the question.

Directions (Q. 74 - 78) Each question below is followed by three arguments numbered I, II and III. You have to decide which of the argument(s) is/are “strong” and indicate your answer accordingly.

74. Should the government restrict use of electricity for each household depending upon the requirement?

Arguments:

- I. Yes, this will help government tide over the problem of inadequate generation of electricity.
- II. No, every citizen has right to consume electricity as per their requirement as they pay for using electricity.
- III. No, the government does not have the machinery to put, such a restriction on use of electricity.

- a) Only I is strong
- b) Only II is strong
- c) Only I and II are strong
- d) Only II and III are strong
- e) All I, II and III are strong

75. Should the government order closure of all educational institutions for a month to avoid fast spreading of the contagious viral infection?

Arguments:

- I. No, closure of educational institution alone is not the solution for curbing spread of viral infection.

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- II. No, students will visit crowded places like malls, markets, play grounds etc. in more numbers and spread the disease, as they will have lot of spare time at their disposal.
- III. Yes, young persons are more prone to get affected by the viral infection and hence they should remain in doors.

- a) None is strong
b) Only I is strong
c) Only III is strong
d) Only I and II are strong
e) All I, II and III are strong

76. Should the government ban export of all types of foodgrains for the next one year to tide over the unpredicted drought situation in the country?

Arguments:

- I. Yes, there is no other way to provide food its citizen during the year.
- II. No, the government does not have its jurisdiction over private exporters for banning exporters.
- III. Yes, the government should not allow the exporters to export foodgrains held by such exporters and make it available for home consumption.

- a) Only I and II are strong
b) Only II and III are strong
c) Only I and III are strong
d) All I, II and III are strong
e) None of the above

77. Should there be a common syllabus for all subjects in graduate courses in all the universities across the country?

Arguments:

- I. Yes, this is the only way to bring in uniformity in the education system in the country.
- II. Yes, it will help standardize the quality of graduation certificates being given by different universities in the country.
- III. No, each university should have the autonomy to decide its syllabus based on the specific requirement of the university.

- a) None is strong
b) Only I is strong
c) Only II is strong
d) Only I and II are strong
e) Only II and III are strong

78. Should all those students who failed in one or two subjects in HSC be allowed to take admission in degree courses and continue their study subject to their successfully passing in the supplementary examination?

Arguments:

- I. Yes, this will help the students to complete their education without a break of one year.
- II. Yes, this is a forward looking strategy to help the students and motivate them for higher studies.
- III. No, such students do not choose to continue their studies without having passed in all the subjects in HSC.

- a) Only I is strong
b) Only II is strong
c) Only III is strong

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- d) Only either II or III and I are strong
- e) None of the above

Directions (Q. 79 - 83) Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer:

- a) If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
- b) If the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
- c) If the data either in Statement I alone or in Statement II alone are sufficient to answer the question.
- d) If the data even in both Statements I and II together are not sufficient to answer the question.
- e) If the data in both Statements I and II together are necessary to answer the question.

79. What is the position of point F with respect to point I?

- I. Point G is 5 km east of point F. Point S is 5 km north of point G. Point H is the midpoint of points G and S. Point I is to the south of point H in such a manner that point G is the midpoint of points H and I.
- II. Point A is 10 km east of point F. Point B is 5 km south of point A. Point H is the midpoint of points A and B. Point I is 5 km south of point H. Point I is to the east of point L at a distance of 5 km.

80. On which day of a week Lalita did her reservation for the journey?

- I. The husband of Lalita correctly remembers that she has done reservation after Monday but before Sunday. However, it is almost certain that she did not make her reservation on Wednesday.
- II. The daughter of Lalita correctly remembers that her mother has done her reservation after Tuesday but before Saturday. Since her mother was busy on Thursday so she did not make her reservation on Thursday.

81. Seven persons - P, Q, R, S, T, U and V are standing in a straight line facing towards north. Find the position of S from the right end.

- I. P is standing on any of the extreme ends of the line. There are two persons between P and R. There are two persons between R and Q. U is not standing to the immediate left of R.
- II. R is standing exactly at the centre. T is standing exactly between R and V. There is only one person between T and U. S is standing to the immediate right of U.

82. How are N and D related?

- I. A is the sister of D.
- II. D is the mother of R who is the only son of N.

83. Who amongst Ronak, Sanjay, Anish and Rohan is the tallest?

- I. Ronak is as tall as Sanjay.
- II. Anish is taller than Rohan.

Directions (Q. 84 - 90) Study the following information carefully and answer the questions given below.

Following are the conditions for selecting Accounts Manager in an organization. The candidate must

- (i) Be a graduate in Commerce with minimum 55% marks
- (ii) Be a post graduate in Commerce with minimum 50% marks
- (iii) Have work experience of at least three years in the Accounts department in an organization.

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- (iv) Not be less than 25 years and not more than 35 years old as on 01.05.2008.
- (v) Have secured at least 40% marks in the selection process.

In the case if candidate satisfies all other criteria except-

- A. at (ii) above but has work experience of at least four years as Assistant Accounts Manager in an organization. His/her case is to be referred to GM-Accounts of the organization.
- B. At (iii) above but has successfully completed CA/ICWA, the case is to be referred to Director Finance.

In each question below details of one candidate is given. You have to take one of the following courses of action in each case based on the information provided and the conditions and sub-conditions given above and mark the number of that course of action as your answer. You are not to assume anything other the information provided in each case. All the cases are given to you as on 01.05.2008.

Give answer:

- a) If the data provided are not adequate to take a decision.
- b) If the case is to be referred to GM- Accounts.
- c) If the case is to be referred to Director-Finance.
- d) If the candidate is not to be selected.
- e) If the candidate is to be selected.

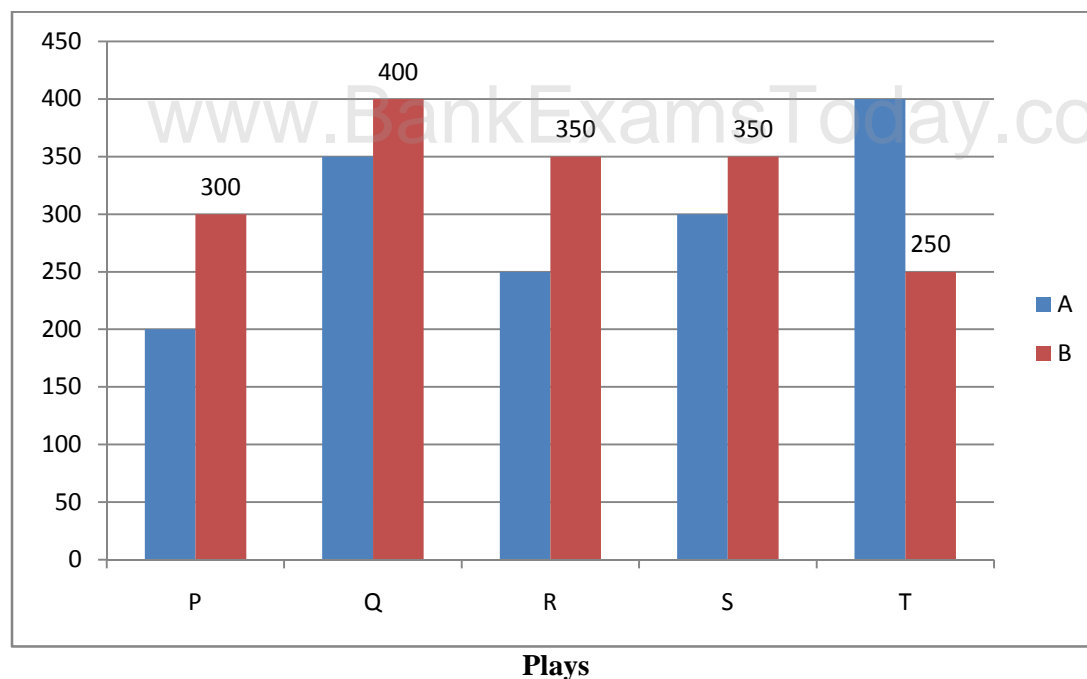
- 84. AbhinavChaturvedi is a Commerce graduate with 60% marks. He has been working in the Accounts Department of an organization for the past four years after completing his post graduation in Commerce with 55% marks. He was born on 08th July 1980. He has secured 45% marks in the selection process.
- 85. VaibhavSinha was born on 12th April 1979. He has been working as Assistant Accounts Manager in an organization for the past five years after completing his post-graduation in Commerce with 40% marks. He has secured 55% marks in both the selection process and graduation in Commerce.
- 86. SeemaBhasin has secured 60% marks in graduation in Commerce and 55% marks in post-graduation in Commerce. She has secured 55% marks in the selection process. She was born on 20th August 1978. She has also successfully completed her CA. She does not have any work experience.
- 87. NirmalaSawant was born on 04th July 1981. She has been working in the Accounts department in an organization after completing her post-graduation Commerce with 65% marks. She has secured 50% marks in the selection process.
- 88. Ashok Pradhan was born on 03rd May 1979. He has secured 42% marks in the selection process. He has been working in the Accounts department of an organization for the past four years after completing his post-graduation in Commerce with 62% marks. He has secured 54% marks in his graduation in Commerce.
- 89. PrabirMazumdar has secured 58% marks in his graduation in Commerce and 53% marks in post-graduation in Commerce. He has been working as Assistant Accounts Manager in an organization for the past four years after completing his post-graduation. He has secured 44% marks in the selection process. He was born on 14th November 1977.
- 90. NehaDev was born on 08th February 1976. She has been working in the Accounts department of an organization for the past three years after completing her post-graduation in Commerce with 53% marks. She has secured 57% marks in graduation in Commerce. She appeared in selection process.

Quantitative Aptitude

(Q. 91 – 95) Study the following graph carefully and answer the question that follow:

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The graph represents the total number of tickets sold of five plays P, Q, R, S and T across two auditoriums A and B on a particular day



91. The number of tickets sold of play T at auditorium A is what percent of the number of tickets of play P sold at auditorium A?
 a) 220 b) 200 c) 210
 d) 190 e) 180
92. What is the total number of tickets sold of plays Q and R together at both the auditoriums A and B together?
 a) 1050 b) 1200 c) 1250
 d) 1350 e) 1300
93. What is the respective ratio of the number of tickets sold of play P at auditorium B to the number of tickets sold of play Q at auditorium B?
 a) 2 : 3 b) 3 : 4 c) 1 : 2
 d) 3 : 5 e) 4 : 5
94. What is the difference between the total number of tickets sold of all plays together at auditorium A and the total number of tickets sold for all plays together of auditorium B?
 a) 180 b) 170 c) 150
 d) 160 e) 140
95. What is the average number of tickets sold at auditorium B for play T and S together?
 a) 360 b) 320 c) 300
 d) 340 e) 350

(Q. 96 – 100) Study the following table carefully and questions that follow:

The table represents the total sales value (in lakhs) of five books P, Q, R, S and T, across eight bookstores A, B, C, D, E, F, G and H.

	Bookstores							
	A	B	C	D	E	F	G	H

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P	560	590	210	670	560	680	420	460
Q	550	560	890	230	820	610	520	230
R	450	290	540	530	500	520	560	410
S	230	240	560	400	430	200	210	480
T	230	400	410	240	200	360	500	470

96. What is the respective ratio between the total sales values of Book P across all the bookstores and Book S across all the bookstores?
 a) 83 : 55 b) 85 : 53 c) 83 : 53
 d) 89 : 55 e) None of these
97. The sale of the book R from bookstore H is what percent of the total sale of book R across all the bookstores (Rounded off to two places after the decimal)?
 a) 21.12 b) 17.19 c) 7.43
 d) 3.04 e) 10.79
98. What is the average sale (in lakhs) of bookstore E?
 a) 502 b) 504 c) 512
 d) 540 e) None of these
99. Book Q of bookstore C constituted **approximately** what percent of the total sales of bookstore C?
 a) 34 b) 39 c) 32
 d) 23 e) 28
100. What is the total sales value (in lakhs) of bookstore D?
 a) 2510 b) 2670 c) 2900
 d) 2070 e) None of these

(Q. 101 – 105) Study the following table carefully and answer the questions that follow.

The table represents the total number of students studying courses, P, Q, R, S and T across eight institutes i.e., A, B, C, D, E, F, G and H.

Courses	Institutes							
	A	B	C	D	E	F	G	H
P	520	410	550	450	570	210	750	450
Q	410	540	610	580	380	550	570	310
R	430	210	590	530	730	510	530	480
S	350	280	570	320	410	480	610	460
T	370	480	380	250	180	370	590	660

101. What is the respective ratio between the total number of students studying in institute A and the total number of students studying in institute H?
 a) 52 : 59 b) 52 : 55 c) 55 : 59
 d) 59 : 61 e) None of these
102. The number of students studying course Q in institute B forms what percent of the total number of students in institute C?
 a) 14 b) 17 c) 11
 d) 8 e) 20
103. What is the total number of students who are studying course T across all institutes?
 a) 3480 b) 3280 c) 3420

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- d) 3840 e) None of these

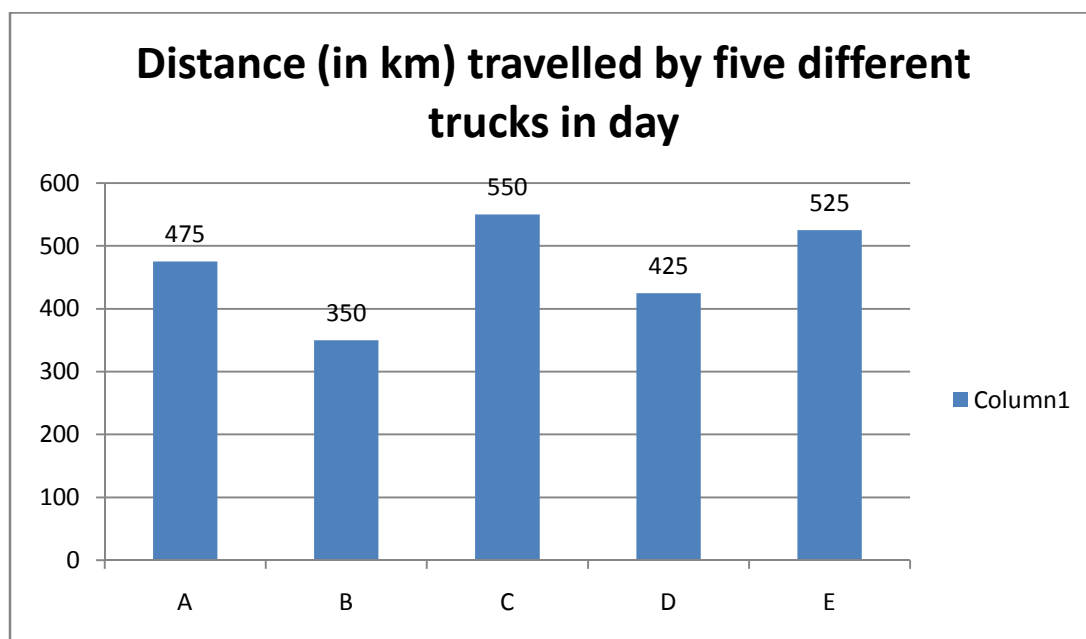
104. The number of students studying course P in institute A forms what percent of the total number of students in institute A?

- a) 27 b) 23 c) 25
d) 20 e) 29

105. What is the average number of students studying in institute D?

- a) 446 b) 426 c) 540
d) 454 e) None of these

(Q. 106 – 110) Study the following graph carefully to answer the question that follow:



106. What is the respective ratio of the distance travelled by Truck A to the distance travelled by Truck D?

- a) 17 : 19 b) 11 : 15 c) 19 : 17
d) 15 : 11 e) None of these

107. What is the average distance travelled by all the trucks together?

- a) 510 km b) 515 km c) 425 km
d) 475 km e) None of these

108. If truck A covered the given distance at the average speed of 47.5 km/hr, what is the time taken by it to cover this distance?

- a) 12 hours b) 10 hours c) 8 hours
d) 6 hours e) None of these

109. The distance travelled by truck E is approximately what percent of the total distance travelled by truck B and C together?

- a) 58 b) 60 c) 52
d) 62 e) 55

110. If the time taken by truck C to cover the given distance was 8 hours, what was the average speed of the truck?

- a) 54.75 km/hr b) 65.25 km/hr c) 52.25 km/hr

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- d) 68.75 km/hr e) None of these
111. The average of the two digit numbers, which remain the same when the digits interchange their positions, is :
a) 33 b) 44 c) 55
d) 66 e) None of these
112. The average score of a cricketer for ten matches is 38.9 runs. If the average for the first six matches is 42, then find the average for the last four matches.
a) 33.25 b) 33.5 c) 34.25
d) 35 e) None of these
113. Of the three numbers, the first is twice the second and the second is twice the third. The average of the reciprocal of the numbers is $\frac{7}{72}$. The numbers are :
a) 16, 8, 4 b) 20, 10, 5 c) 24, 12, 6
d) 36, 18, 9 e) None of these
114. The average temperature of the town in the first four days of a month was 58 degrees. The average for the second, third, fourth and fifth days was 60 degrees. If the temperatures of the first and fifth days were in the ratio 7 : 8, then what is the temperature on the fifth day?
a) 64 degrees b) 62 degrees c) 56 degrees
d) Data inadequate e) None of these
115. The average age of 8 men is increased by 2 years when two of them whose ages are 21 years and 23 years are replaced by two new men. The average age of the two new men is :
a) 22 years b) 24 years c) 28 years
d) 30 years e) None of these
116. 10 years ago, the average age of a family of 4 members was 24 years. Two children having been born (with age difference of 2 years), the present average age of the family is the same. The present age of the youngest child is :
a) 1 year b) 2 years c) 3 years
d) 5 years e) None of these
117. Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively, what will be the ratio of increased seats?
a) 2 : 3 : 4 b) 6 : 7 : 8 c) 6 : 8 : 9
d) Data inadequate e) None of these
118. The third proportional to $(x^2 - y^2)$ and $(x - y)$ is :
a) $(x + y)$ b) $(x - y)$ c) $\frac{x + y}{x - y}$
d) $\frac{x - y}{x + y}$ e) None of these
119. Which of the following ratios is greatest?
a) 7 : 15 b) 15 : 23 c) 17 : 25
d) 21 : 29 e) None of these
120. In three vessels, each of 25 litres capacity, mixture of milk and water is filled. The ratio of milk and water are 3 : 1, 2 : 3, 4 : 3 in the respective vessels. If all the three vessels are emptied into a single large vessel, then what will be the ratio of water to milk in the resultant mixture?
a) 179 : 241 b) 197 : 214 c) 219 : 117

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- d) 179 : 234 e) None of these
121. A vessel of capacity 2 litre has 25% alcohol and another vessel of capacity 6 litre had 40 alcohol. The total liquid of 8 litre was poured out in a vessel of capacity 10 litre and thus the rest part of the vessel was filled with the water. What is the new concentration of mixture?
a) 31% b) 71% c) 49%
d) 29% e) None of these
122. A, B and C enter into a partnership. A initially invests Rs.25 lakhs and adds another Rs.10 lakhs after one year. B initially invests Rs.35 lakhs and withdraws Rs.10 lakhs after 2 years and C invests Rs.30 lakhs. In what ratio should the profits be divided at the end of 3 years?
a) 10 : 10 : 9 b) 20 : 20 : 19 c) 20 : 19 : 18
d) Data inadequate e) None of these
123. A and B started a business jointly. A's investment was thrice the investment of B and the period of his investment was two times the period of investment of B. If B received Rs.4000 as profit, then their total profit is :
a) Rs.16,000 b) Rs.20,000 c) Rs.24,000
d) Rs.28,000 e) None of these
124. A, B and C started a shop by investing Rs.27,000, Rs.72,000 and Rs.81,000 respectively. At the end of the year, the profits were distributed among them. If C's share of profit be Rs.36,000, then the total profit was :
a) Rs.80,000 b) Rs.95,600 c) Rs.1,08,000
d) Rs.1,16,000 e) None of these
125. A and B are partners in a business. A contributes $\frac{1}{4}$ of the capital for 15 months and B received $\frac{2}{3}$ of the profit. For how long B's money was used?
a) 6 months b) 9 months c) 10 months
d) 1 year e) None of these
126. A, B, C enter into a partnership investing Rs.35,000, Rs.45,000 and Rs.55,000 respectively. The respective shares of A, B, C in an annual profit of Rs.40,500 are :
a) Rs.10,500, Rs.13,500, Rs.16,500 b) Rs.11,500, Rs.13,000, Rs.16,000
c) Rs.11,000, Rs.14,000, Rs.15,500 d) Rs.11,500, Rs.12,500, Rs.16,500
e) None of these
127. The probability that the birthdays of 4 different persons will fall in exactly two calendar months is :
a) $\frac{77}{1728}$ b) $\frac{17}{87}$ c) $\frac{11}{144}$
d) Data inadequate e) None of these
128. A committee of five persons is to be chosen from a group of 9 people. The probability that a certain married couple will either serve together or not at all is :
a) $\frac{4}{9}$ b) $\frac{5}{9}$ c) $\frac{13}{18}$
d) Data inadequate e) None of these
129. In how many different ways can the letters of the word 'SOFTWARE' be arranged in such a way that the vowels always come together?
a) 120 b) 360 c) 1440
d) 13440 e) 720

Computer Awareness

141. IR stands for:
- a) Instruction Register
 - b) Internal Resource
 - c) Information Register
 - d) None of These
142. The mother board contains various _____:
- a) Integrated System
 - b) Integrated Circuit
 - c) Internal Resource
 - d) None of These
143. What symbol is present on the number key '7' on the keyboard:
- a) %
 - b) &
 - c) \$
 - d) None of These
144. Devices that enter information and let you communicate with the computer are called:
- a) Input Devices
 - b) Hardware
 - c) Output Devices
 - d) None of These
145. If you want to upload your profile pic into Facebook, the device you will use:
- a) Printer
 - b) Scanner
 - c) Mouse
 - d) None of These
146. docx is the file extension for:
- a) MS Power Point
 - b) MS Excel
 - c) MS Word
 - d) None of These
147. Which of the following is not an operating system:
- a) DOS
 - b) Google
 - c) Windows 2000
 - d) None of These
148. One Byte is equal to:
- a) 10 Bits
 - b) 7 Bits
 - c) 8 Bits
 - d) None of These

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149. Broad Categories of Software are:
- a) System Software
 - b) Application Software
 - c) Both of Above
 - d) None of These
150. If you want to go to end of page, you have to press:
- a) End
 - b) Ctrl + End
 - c) Ctrl + Home
 - d) None of These
- (CTRL + END is for line end)
151. Which one of the following is not a hardware:
- a) Interpreter
 - b) Mouse
 - c) Monitor
 - d) None of These
152. Errors in computer programs are called:
- a) Hubs
 - b) Bugs
 - c) Syntex Error
 - d) None of these
153. Internet refers to:
- a) A large Network of Networks
 - b) A communication system for different states of India
 - c) A communication system provided for large number of computer users.
 - d) None of These
154. Storage Area for E-mail messages are called:
- a) Directory
 - b) Mailbox
 - c) A folder
 - d) None of These
155. Bug describes:
- a) An error in computer program
 - b) Some problems in wires in computer system
 - c) Only internet connectivity problem
 - d) None of These
156. The pattern of printed lines on most products are called:
- a) Scanner
 - b) Barcodes
 - c) OMR
 - d) None of These
157. Which function is not performed by servers:
- a) Database Sharing
 - b) Storage

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- c) Word Processing
- d) None of These

158. The process of transferring files from a computer on the internet to your computer on the internet to your computer is called:

- a) Downloading
- b) Uploading
- c) Sharing
- d) None of These

159. The main memory works in conjunction with:

- a) RAM
- b) CPU
- c) Special Wires Cards
- d) None of These

160. Fastest supercomputer of the world is:

- a) Apple
- b) Appex 10
- c) Tianhe - 2
- d) None of These

General Awareness

161. Which are two Indians who climb the Kalapathar Peak and became the youngest :

- (a) Kuldeep Sharma (5 Years Old) and Gitika (8 Years Old)
- (b) Karanveer Sharma (5 Years Old) and Anshika (8 Years Old)
- (c) Kandarp Sharma (5 Years Old) and Ritwika (8 Years Old)
- (d) None of The Above

162. Kalapathar Peak situated in which country :

- (a) Nepal
- (b) Pakistan
- (c) Bhutan
- (d) Sri Lanka

163. Which Department of India announced the scheme 'Indradhanush' :

- (a) Health Ministry
- (b) Finance Ministry
- (c) Education Ministry
- (d) None of The Above

164. What is the purpose of 'Indradhanush' :

- (a) To revamp of private sector banks in the country
- (b) To revamp of public sector banks in the country
- (c) To revamp of all commercial banks in the country

165. Agriculture Ministry renamed as :

- (a) Agriculture United Ministry
- (b) Agriculture Reforms Ministry
- (c) Agriculture and Farmers Welfare Ministry
- (d) None of The Above

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166. Which Indian Badminton player won Silver Medal in World Badminton Championship :
- JawalaGutta
 - SainaNehwal
 - BishanjeetKaur
 - None of The Above
167. According to Badminton World Federation Women's Singles 2015, who ranked at No.1 position :
- SainaNehwal
 - BishanjeetKaur
 - Bopanna
 - None of The Above
168. What is the Currency of Malaysia :
- Ringgit
 - Peso
 - Euro
 - Dollar
169. According to ASSOCHAM, which State became 1stin generation of employment and manufacturing :
- West Bengal
 - Himachal Pradesh
 - Tamil Nadu
 - None of The Above
170. AnirbanLahiri of India related with which sport :
- Hockey
 - Football
 - Golf
 - None of The Above
171. Who is the CEO of IndiGo :
- Rajeev Bhatia
 - Rahul Bhatia
 - Pari Bhatia
 - None of The Above
172. Name the World's first zero carbon and car free smart city :
- Lisbon, Portugal
 - Amsterdam, Netherlands
 - Masdar, Abu Dhabi
 - None of The Above
173. India signed an agreement with which country for the purpose of tackle the menace of fake Indian currency :
- Pakistan
 - China
 - United States of America
 - Bangladesh
174. Which Indian won Gold in Archery World Cup :
- AbhishekVerma

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- (b) RanjitVerma
(c) RanbirVerma
175. Which Scooter of India crossed the sale of 1 Crore units in India :
(a) Suzuki Access
(b) Honda Activa
(c) Mahindra Duro
(d) Hero Maestro
176. Which Scooter company became 1st manufacturer to sell more than 2.5 Lakh Scooters in one month :
(a) Honda
(b) Hero
(c) Suzuki
(d) Mahindra
177. Honda Activa launched in India in which year :
(a) 1999
(b) 2000
(c) 2001
(d) 2002
178. Which is the Capital city of UAE :
(a) Qatar
(b) Ajman
(c) Fujairah
(d) Abu Dhabi
179. Which State launched the scheme 'City Taxi Scheme' :
(a) Chandigarh
(b) Bangalore
(c) New Delhi
(d) Aurangabad
180. Which are two non-fiction books of ChetanBhagat :
(a) What Young India want
(b) Making India Awesome
(c) Both of The Above
(d) None of The Above
181. Arthur Robert Morris died, who was he :
(a) Former Cricketer of South Africa
(b) Former Cricketer of New Zealand
(c) Former Cricketer of England
(d) Former Cricketer of Australia
182. Free Laptop scheme launched by which State Government :
(a) Lakshadeep
(b) Daman
(c) Chandigarh
(d) Puducherry
183. Which famous personality also known as 'Father of Indian Nuclear Programme' :
(a) Homi Jahangir Bhabha

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- (b) AbulPakeerJanulabdin Abdul Kalam
(c) Madam Qury
(d) None of The Above
184. National Development Council was established in which year :
(a) 1950
(b) 1951
(c) 1952
(d) None of The Above
185. Which is the Currency of Greece :
(a) Euro
(b) Peso
(c) Dollar
(d) Pound
186. Which is the Currency of Philippines :
(a) Euro
(b) Dollar
(c) Pound
(d) Peso
187. Who won men's singles title of Cincinnati Masters Tennis tournament :
(a) Novak Djokovik
(b) Roger Federeer
(c) Both of The Above
(d) None of The Above
188. Bandhan Bank gets its universal banking licence, the bank has how many branches in India :
(a) 501 branches in almost 22 States
(b) 401 branches in almost 22 States
(c) 301 branches in almost 24 States
(d) None of The Above
189. Who appointed as Chairman of India's Oscar Jury Film Federation of India :
(a) Nana Patekar
(b) PareshRawal
(c) AnupamKher
(d) AmolPalekar
190. Who was the grandson of India's first emperor Chandra Gupta Morya :
(a) Asoka
(b) Bindusara
(c) Kanishka
(d) Maharani Pratap
191. Recently, which historical monument received its twitter account:
(a) Red Fort
(b) Jama Masjid
(c) QutubMinar
(d) TajMahal
192. Recently, which State of India banned on the use of plastics :
(a) Himachal Pradesh

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- (b) Punjab
(c) Gujarat
(d) Rajasthan
193. “Accessible India” campaign associated with which field :
(a) Education
(b) Health
(c) Physically Disabled Persons
(d) Industrialization
194. Which District of India has highest number of e-toilets in schools :
(a) Kangra, Himachal Pradesh
(b) Sangrur, Punjab
(c) Nellore, Andhra Pradesh
(d) Gurgaon, Haryana
195. Headquarters of Oriental Bank of Commerce is located at:
(a) New Delhi
(b) Gurgaon
(c) Mumbai
(d) Hyderabad
196. RBI was nationalized on:
(a) 1947
(b) 1948
(c) 1949
(d) 1950
197. Headquarter of Dena Bank is located at:
(a) New Delhi
(b) Mangalore
(c) Mumbai
(d) Hyderabad
198. ICICI stands for:
(a) Indian Credit Investment Corporation of India
(b) Industrial Credit Investment Corporation of India
(c) Investment in Credit and Interest Corporation of India
(d) None of The Above
199. “Punjab National Bank” was founded by:
(a) Mahatama Gandhi
(b) Sardar Patel
(c) LalaLajpatRai
(d) BheemChandarSen
200. “A Long Tradition of Trust” is slogan of:
(a) Allahabad Bank
(b) State Bank of Travancore
(c) Dena Bank
(d) State Bank of India

Answers

English Language

1. Option A
2. Option B
3. Option A
4. Option E
5. Option A
6. Option A
7. Option A
8. Option C
9. Option C
10. Option A
11. Option A
12. Option E
13. Option B
14. Option B
15. Option E
16. Option D
17. Option D
18. Option E
19. Option D
20. Option C
21. Option D
22. Option B
23. Option B
24. Option D
25. Option A
26. Option C
27. Option B
28. Option B
29. Option C
30. Option C
31. Option B
32. Option C
33. Option E
34. Option E
35. Option C
36. Option A
37. Option C
38. Option A
39. Option B
40. Option A

Reasoning Ability

41. Option A
42. Option C
43. Option B
44. Option D
45. Option C
46. Option A
47. Option E
48. Option B
49. Option C

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50. Option D
51. Option B
52. Option A
53. Option C
54. Option D
55. Option E
56. Option D
57. Option B
58. Option B
59. Option B
60. Option A
61. Option D
62. Option C
63. Option C
64. Option C
65. Option B
66. Option A
67. Option A
68. Option D
69. Option A

Inference is definitely true, cleared by first line of the passage.

70. Option E

Inference is definitely false, cleared by last line of the passage.

71. Option C

Data inadequate “other parts of India and their ground water level information is not given in passage.”

72. Option D

73. Option B

Though not with certainty we may derive this inference to “the poor monsoon this season.”

74. Option C

Argument I is strong because if saving is going on then it will reduce the power problem. Argument II is also strong because people needed the electricity and power and for that they are paying enough. Argument III is not strong because government can make rules and regulation to reduce the consumption.

75. Option B

Argument I is strong but II is not strong because to close the school one cannot stop infections and virals.

76. Option E

77. Option E

Argument I became weak because of the work only used but II and III are strong.

78. Option E

79. Option C

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80. Option E

From Statement I

Lalita made her reservation on either Tuesday, Thursday, Friday or Saturday.

From Statement II

Lalita made her reservation on Wednesday or Friday.

From both the statements Lalita made her reservation on Friday.

81. Option B

82. Option B

From statement I

A is the sister of D. There is no information about N.

From statement II

D is the mother of R.

R is the son of N.

So, N is husband of D.

83. Option D

From statement I

Ronak = Sanjay

From statement II

Anish > Rohan

From both the statements

Anish > Rohan

Ronak = Sanjay

84. Option E

85. Option B

86. Option C

87. Option A

88. Option D

89. Option E

90. Option D

Quantitative Aptitude

91. Option D

Tickets sold of play Q at auditorium A and B = $350 + 400 = 750$

Tickets sold of play R at auditorium A and B = $250 + 350 = 600$

Total tickets = $750 + 600 = 1350$

92. Option B

Tickets sold of play P at auditorium B = 300

Tickets sold of play Q at auditorium B = 400

So, required ratio = $\frac{300}{400} = \frac{3}{4} = 3 : 4$

93. Option C

Total tickets of all plays at auditorium A = $200 + 350 + 250 + 300 + 400 = 1500$

Total tickets of all plays at auditorium B = $300 + 400 + 350 + 350 + 250 = 1650$

So, required difference = $1650 - 1500 = 150$

94. Option C

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Tickets of play S and T at auditorium B = 350 + 250 = 600
Average = $\frac{600}{2} = 300$

95. Option A

Required ratio = $\frac{\text{Sales values of book P across all book stores}}{\text{Sales values of book S across all book stores}} = \frac{4150}{2750} = \frac{83}{55} = 83:55$

96. Option E

Required percentage = $\frac{\text{Sale of book R from bookstore H}}{\text{Sale of book R across all bookstores}} \times 100$
 $= \frac{410}{3800} \times 100 = 10.789 = 10.79\%$

97. Option A

Average sale of bookstore E = $\frac{2510}{5} = 502$

98. Option A

Required percentage (approx.) = $\frac{890}{2610} \times 100 = 34.09 = 34\%$ (approx.)

99. Option D

Total sales value of bookstore D = 2070

100. Option A

Ratio = $\frac{\text{Students studying in institute A}}{\text{Students studying in institute H}} = \frac{2080}{2360}$
Ratio = $\frac{52}{59} = 52 : 59$

101. Option E

Students studying in course Q in institute B = 540
Students studying in institute C = 2700
Required percentage = $\frac{540}{2700} \times 100 = 20\%$

102. Option B

Total number of students studying in course T = 3280

103. Option C

Students studying in course P in institute A = 520
Students studying in institute A = 2080
Required percentage = $\frac{520}{2080} \times 100 = 25\%$

104. Option B

Number of students studying in institute D = 2130

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Total number of courses in institute D = 5

$$\text{Average} = \frac{2130}{5} = 426$$

Department	Male	Female	Total
Accounts	300	240	540
HR	40	320	360
Marketing	530	280	810
Customer relation	590	400	990
Administrative	160	200	360
Design	880	560	1440
Total	2500	2000	4500

105. Option E

$$\text{Aggregate \%} = \frac{280 \times 100}{1800} = 15.5\% = 16\%$$

106. Option E

$$\text{Required average} = \frac{2325}{5} = 465 \text{ km}$$

107. Option B

$$\text{Required time} = \frac{475}{47.5} = 10 \text{ hours}$$

108. Option A

$$\text{Required percentage} = \frac{525}{900} \times 100 = 58\% \text{ (approx.)}$$

109. Option D

$$\text{Required percentage} = \frac{550}{8} = 68.75 \text{ km/hr}$$

110. Option E

$$\text{Required percentage} = \frac{25000}{172500} \times 100 = 14$$

111. . Option C

$$\begin{aligned} \text{Average} &= \frac{11 + 22 + 33 + 44 + 55 + 66 + 77 + 88 + 99}{9} \\ &= \frac{11+99 + 22+88 + 33+77 + 44+66 + 55}{9} \\ &= \left[\frac{4 \times 110 + 55}{9} \right] = \frac{495}{9} = 55 \end{aligned}$$

112. Option C

$$\text{Required average} = \frac{38.9 \times 10 - (42 \times 6)}{4} = \frac{137}{4} = 34.25$$

113. Option C

Let the third number be x. Then, second number = 2x. First number = 4x

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$$\text{So, } \frac{1}{x} + \frac{1}{2x} + \frac{1}{4x} = \left[\frac{7}{72} \times 3\right] \text{ or } \frac{7}{4x} = \frac{7}{24} \text{ or } 4x = 24 \text{ or } x = 6$$

So, the numbers are 24, 12, 6

114. Option A

Sum of temperatures on 1st, 2nd, 3rd and 4th days = $(58 \times 4) = 232$ degrees .. (i)

Sum of temperatures on 2nd, 3rd, 4th and 5th days = $(60 \times 4) = 240$ degrees .. (ii)

Subtracting (i) from (ii), we get

Temp. on 5th day - Temp. on 1st day = 8 degrees

Let the temperatures on 1st and 5th days be $7x$ and $8x$ degrees respectively.

Then, $8x - 7x = 8$ or $x = 8$

So, Temperature on 5th day = $8x = 64$ degrees

115. Option D

Total age increased = (8×2) years = 16 years

Sum of ages of two new men = $(21 + 23 + 16)$ years = 60 years

So average age of two new men = $\left[\frac{60}{2}\right]$ years = 30 years

116. Option C

Total age of 4 members, 10 years ago = $(24 \times 4) = 96$ years

Total age of 4 members now = $(96 + 10 \times 4)$ years = 136 years

Total age of 6 members now = $(24 \times 6) = 144$ years

Sum of the ages of 2 children = $(144 - 136) = 8$ years

Let the age of the younger child be x years.

Then, age of the elder child = $(x + 2)$ years

So, $x + x + 2 = 8$

$2x = 6$

$x = 3$

So, age of younger child = 3 years

117. Option A

Originally, let the number of seats for Mathematics, Physics and Biology be $5x$, $7x$ and $8x$ respectively.

Number of increased seats are (140% of $5x$), (150% of $7x$) and (175% of $8x$)

i.e. $\left[\frac{140}{100} \times 5x\right]$, $\left[\frac{150}{100} \times 7x\right]$ and $\left[\frac{175}{100} \times 8x\right]$ i.e. $7x$, $\frac{21x}{2}$ and $14x$.

So, required ratio = $7x : \frac{21x}{2} : 14x = 14x : 21x : 28x = 2 : 3 : 4$

118. Option D

Let the third proportional to $(x^2 - y^2)$ and $(x - y)$ be z . Then,

$(x^2 - y^2) : (x - y) :: (x - y) : z$

$(x^2 - y^2) \times z = (x - y)^2$

$z = \frac{(x - y)^2}{(x^2 - y^2)} = \frac{(x - y)}{(x + y)}$

119. Option D

$$\frac{7}{15} = 0.466, \frac{15}{23} = 0.652, \frac{17}{25} = 0.68 \text{ and } \frac{21}{29} = 0.724$$

Clearly, 0.724 is greatest and therefore, 21 : 29 is greatest.

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Option A

$$\begin{aligned} \text{The ratio of milk in 3 vessels} &= \frac{3}{4} \times \frac{5 \times 7}{5 \times 7} : \frac{2}{5} \times \frac{4 \times 7}{4 \times 7} : \frac{4}{7} \times \frac{4 \times 5}{4 \times 5} \\ &= \frac{105}{140} : \frac{56}{140} : \frac{80}{140} \end{aligned}$$

Remember, The value of 25 litre does not matter, the basic thing is that the amount of mixture in all the three quantities is same.

So, the total quantity of milk in mixture = 105 + 56 + 80 = 241

= [(3 × 140) - 241] = 179 litre

Therefore, ratio of water to milk in the new mixture = 179 : 241

120. Option D

Amount of alcohol in first vessel = 0.25 × 2 = 0.5 litre

Amount of alcohol in second vessel = 0.4 × 6 = 2.4 litre

Total amount of alcohol out of 10 litres of mixture is 0.5 + 2.4 = 2.9 litre

Hence, the concentration of the mixture is 29% [= $\frac{2.9}{10} \times 100$]

121. Option E

A : B : C = (25 lakhs × 1) + (35 lakhs × 2) : (35 lakhs × 2 + 25 lakhs × 1) : (30 lakhs × 3)
= 95 lakhs : 95 lakhs : 90 lakhs = 19 : 19 : 18

122. Option D

Suppose B invested Rs. x for y months. Then, A invested Rs. 3x for 2y months.

So, A : B = (3x × 2y) : (x × y) = 6xy : xy = 6 : 1

So, B's profit : total profit = 1 : 7

Let the total profit be Rs. x. Then, $\frac{1}{7} = \frac{4000}{x}$ or x = 28000

123. Option A

A : B : C = 27000 : 72000 : 81000 = 3 : 8 : 9

So, C's share : total profit = 9 : 20

Let the total profit be Rs. x. Then, $\frac{9}{20} = \frac{36000}{x}$ or x = $\frac{36000 \times 20}{9} = 80000$

124. Option C

Let the total profit be Rs. z. Then,

B's share = Rs. $\frac{2z}{3}$, A's share = Rs. $[z - \frac{2z}{3}] = \text{Rs. } \frac{z}{3}$

So, A : B = $\frac{z}{3} : \frac{2z}{3} = 1 : 2$

Let the total capital be Rs. x and suppose B's money was used for x months. Then,

$$\frac{\frac{1}{3}x \times 15}{\frac{2}{3}x \times y} = \frac{1}{2}$$

$$y = \left[\frac{15 \times 2}{3} \right] = 10$$

Thus, B's money was used for 10 months.

125. Option A

A : B : C = 35000 : 45000 : 55000 = 7 : 9 : 11

A's share = Rs. $[40500 \times \frac{7}{27}] = \text{Rs. } 10500$

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$$B's \text{ share} = \text{Rs. } [40500 \times \frac{9}{27}] = \text{Rs. } 13500$$

$$C's \text{ share} = \text{Rs. } [40500 \times \frac{11}{27}] = \text{Rs. } 16500$$

126. The probability that the birthdays of 4 different persons will fall in exactly two calendar months is :

a) $\frac{77}{1728}$

b) $\frac{17}{87}$

c) $\frac{11}{144}$

d) Data inadequate

e) None of these

127. A committee of five persons is to be chosen from a group of 9 people. The probability that a certain married couple will either serve together or not at all is :

a) $\frac{4}{9}$

b) $\frac{5}{9}$

c) $\frac{13}{18}$

d) Data inadequate

e) None of these

128. In how many different ways can the letters of the word 'SOFTWARE' be arranged in such a way that the vowels always come together?

a) 120

b) 360

c) 1440

d) 13440

e) 720

129. In how many different ways can the letters of the word 'AUCTION' be arranged in such a way that the vowels always come together?

a) 30

b) 48

c) 144

d) 576

e) None of these

130. In how many ways can 21 books on English and 19 books on Hindu be placed in a row on a shelf so that two books on Hindi may not be together?

a) 3990

b) 1540

c) 1995

d) 3672

e) None of these

131. Option A

Let the C.P. be Rs. x

$$\text{Then, S.P.} = 120\% \text{ of Rs. } x = \text{Rs. } [x \times \frac{120}{100}] = \text{Rs. } \frac{6x}{5}$$

$$\text{So, } \frac{6x}{5} - x = 240$$

$$x = 1200$$

$$\text{So, C.P.} = \text{Rs. } [\frac{6}{5} \times 1200] = \text{Rs. } 1200$$

$$\text{S.P. } 1200 + 240 = 1440$$

132. Option C

Let C.P. of whole be Rs. x . C.P. of $\frac{2}{3}$ rd = Rs. $\frac{2x}{3}$, C.P. of $\frac{1}{3}$ rd = Rs. $\frac{x}{3}$

$$\text{Total S.P.} = \text{Rs. } [(120\% \text{ of } \frac{2x}{3}) + [114\% \text{ of } \frac{x}{3}]] = \text{Rs. } [\frac{4x}{5} + \frac{19x}{50}] = \text{Rs. } \frac{59x}{50}$$

$$\text{Gain} = \text{Rs. } [\frac{59x}{50} - x] = \text{Rs. } \frac{9x}{50}$$

$$\text{So, Gain \%} = [\frac{9x}{50} \times \frac{1}{x} \times 100] \% = 18\%$$

133. Option B

$$\text{S.P.} = 97\frac{1}{2}\% \text{ of Rs. } 650 = \text{Rs. } [\frac{195}{2} \times \frac{1}{100} \times 650] = \text{Rs. } 633.75$$

134. Option B

Let marked price be Rs. 100

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Then, Final S.P. = 70% of 80% of Rs.100 = Rs. $[\frac{70}{100} \times \frac{80}{100} \times 100]$ = Rs.56
So, single discount = $(100 - 56) = 44\%$

135. Option A

Let C.P. be Rs.100. Then, marked price = Rs.125

S.P. = 84% of Rs.125 = Rs. $[\frac{84}{100} \times 125]$ = Rs.105

So, profit % = $(105 - 100) = 5\%$

136. Option B

A's speed = $[5 \times \frac{5}{18}]$ m/sec = $\frac{25}{18}$ m/sec

Time taken by A to cover 100 m = $[100 \times \frac{18}{25}]$ sec = 72 sec.

So, time taken by B to cover 92 m = $(72 + 8)$ sec = 80 sec

So, B's speed = $[\frac{92}{80} \times \frac{18}{5}]$ kmph = 4.14 kmph

137. Option A

Time taken by A to cover 100 m = $[\frac{60 \times 60}{8000} \times 100]$ sec. = 45 sec.

So, B covers $(100 - 4)$ m = 96 m in $(45 + 15)$ sec = 60 sec.

So, B's speed = $[\frac{96 \times 60 \times 60}{60 \times 1000}]$ km/hr = 5.76 km/hr

138. Option B

B runs $\frac{45}{2}$ m in 6 sec.

So, B covers 300 m in $[6 \times \frac{2}{45} \times 300]$ sec. = 80 sec.

139. Option C

A : B = 60 : 45 and A : C = 60 : 40

So, $\frac{B}{C} = [\frac{B}{A} \times \frac{A}{C}] = [\frac{45}{60} \times \frac{60}{40}] = \frac{45}{40} = \frac{90}{80} = 90 : 80$

So, B can give C 10 points in a game of 90.

140. Option A

When B runs 25 m, A runs $\frac{45}{2}$ m

When B runs 1000 m, A runs $[\frac{45}{2} \times \frac{1}{25} \times 1000]$ m = 900 m

So, B beats A by 100 m

Computer Knowledge

141. Option A

142. Option B

143. Option B

144. Option A

145. Option B
146. Option C
147. Option B
148. Option C
149. Option C
150. Option A
151. Option A
152. Option B
153. Option A
154. Option B
155. Option A
156. Option B
157. Option C
158. Option A
159. Option B
160. Option C

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General Awareness

161. Option C
162. Option A
163. Option B
164. Option B
165. Option C
166. Option B
167. Option A
168. Option A
169. Option C
170. Option C
171. Option B
172. Option C
173. Option D
174. Option A
175. Option B
176. Option A
177. Option B
178. Option D
179. Option C
180. Option C
181. Option D
182. Option D
183. Option A
184. Option C
185. Option A
186. Option D
187. Option B
188. Option A
189. Option D
190. Option A
191. Option D
192. Option C
193. Option C
194. Option C
195. Option B
196. Option C

- 197. Option C
- 198. Option B
- 199. Option C
- 200. Option B

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