

## General Awareness

- Who amongst the following was the candidate of the Democratic party in latest election held for the President of the USA ?
  - Hillary Clinton
  - Michelle Robinson
  - John McCain
  - Barack Hussain Obama
  - None of these
- Who amongst the following cricketers recently joined the Club of 300 Wicket takers in test crickets ?
  - Harbhajan Singh
  - Anil Kumble
  - Ishant Sharma
  - Rahul Dravid
  - None of these
- Which of the following reflects the importance of 8th November 2008 in the history of India ?
  - Chandrayaan – 1 was launched this day
  - Chandrayaan – 1 was put into the orbits of the moon on this day.
  - This was the day on which ISRO completed 50 years of its existence
  - This was the day on which Chandrayaan – 1 entered the lunar orbit
  - None of these
- Who amongst the following is the author of the novel 'The White Tiger' ?
  - Jhumpa Lahiri
  - Steve Waugh
  - Aravind Adiga
  - Paul Krugman
  - None of these
- The Assembly Elections took place in which of the following States in November-December 2008 ?
  - Uttar Pradesh
  - West Bengal
  - Rajasthan
  - Gujarat
  - All the above
- The Prime Minister of India recently flagged off the first ever train in the Kashmir valley. The train will cover which of the following pairs of stations on its final completion ?
  - Anantnag - Qazigund
  - Anantnag - Katra
  - Udhampur - Katra
  - Katra - Qazigund
  - None of these
- Which of the following is the correct description of the Capital Market ? Capital Market comprises of—
  - Stock Markets and Bond Markets
  - Banks and Insurance Companies
  - RBI and Nationalized Banks
  - Stock Markets and Banks
  - None of these
- Which of the following organizations has provided a US \$ 150 million loan to overhaul the Khadi & Village Industry in India ?
  - World Bank
  - International Monetary Fund
  - Asian Development Bank
  - European Union
  - None of these
- Which of the following countries is NOT the member of IBSA ?
  - India
  - Bangladesh
  - South Africa
  - Brazil
  - All are members
- The election of the UN General Assembly took place on October 17th 2008 in which five countries were elected non-permanent members of the UN Security Council. Which of the following is NOT one of them ?
  - Mexico
  - Turkey
  - Austria
  - India
  - Japan



23. Which of the following knowledge can a farmer gain from 'Farmer's field school' being run by Department of agriculture & Cooperation. Govt. of India ?
- Methods and practices for soil, fertilizer and crop management
  - How to get bank loans
  - Understand deficiency symptoms of soil nutrients
- Only (a)
  - Only (b)
  - Only (c)
  - Both (a) & (c) only
  - All (a), (b) & (c)
24. Which of the following organizations was specially established to operate in Gramin areas by design itself ?
- Commercial Banks
  - Central Financial Institutes
  - Private Banks
  - Regional Rural Banks
  - None of these
25. Who amongst the following is the author of the book (novel) 'Infinite Jest' ?
- Quentin Bryce
  - Arvind Adiga
  - Paul Newman
  - David Foster Wallace
  - None of these
26. Taro Aso whose name was in news recently is the Prime Minister of—
- South Korea
  - North Korea
  - Japan
  - Thailand
  - None of these
27. Martti Ahtisaari's name was in news as he is the winner of Nobel Prize in the area of—
- Physics
  - Chemistry
  - Peace
  - Literature
  - Medicine
28. Who amongst the following won the Fed Cup championship Tennis 2008 ?
- Russia
  - Spain
  - Italy
  - USA
  - France
29. Which of the following films was India's official entry for the Oscar Awards 2009 ?
- Fashion
  - Taare Zameen Par
  - Jodha Akbar
  - Dostana
  - None of these
30. As per the figures released recently which of the following cities has the highest per capita income ?
- Delhi
  - Mumbai
  - Chandigarh
  - Bangalore
  - Jaipur
31. India has purchased Harpoon II Missiles from which of the following countries ?
- Italy
  - China
  - France
  - Russia
  - USA
32. Which of the following is NOT one of the Millennium Goals set by U.N.O. ?
- Achieve Universal Primary Education
  - Improve Computer Literacy
  - Combat HIV/AIDS
  - Environmental sustainability
  - Global partnership
33. The Government of which of the following States has provided Rs. 100 crore for promotion of Organic Farming in State ?
- Tamil Nadu
  - Rajasthan
  - Madhya Pradesh
  - Punjab
  - Andhra Pradesh
34. Which of the following States has introduced 'One kg. Rice for Rupee One' scheme, the first of its kind in the country ?
- West Bengal
  - Orissa
  - Bihar
  - Kerala
  - Tamil Nadu
35. Which of the following nations is facing the neat of Darfur Humanitarian Crisis ?
- Iraq
  - Sudan
  - Iran
  - Japan
  - U.S.A.

36. Who amongst the following Cricket Skipper recently announced his retirement from the game ?  
(A) Anil Kumble (B) M. S. Dhoni  
(C) Rahul Dravid (D) Irfan Pathan  
(E) Sachin Tendulkar
37. Who amongst the following was awarded Bharat Ratna recently ?  
(A) Asha Bhosale (B) Bhimsen Joshi  
(C) Jagjit Singh (D) Mani Ratnam  
(E) None of these
38. Which of the following terms is used in the game of Lawn Tennis ?  
(A) Double Fault (B) Half Nelson  
(C) Cox (D) Crease  
(E) Ruff
39. 'Agha Khan Cup' is associated with the game of—  
(A) Cricket (B) Football  
(C) Lawn Tennis (D) Golf  
(E) Hockey
40. Who amongst the following is the author of the book 'Straight from the Heart' ?  
(A) Ravi Shastri (B) Sachin Tendulkar  
(C) Kapil Dev (D) M. S. Dhoni  
(E) None of these

## General English

**Directions**—(Q. 41–52) Read the following passage carefully and answer the questions given below it. Certain words have been printed in **bold** to help you locate them while answering some of the questions.

Govind's father was a rich landlord, who **was** loved and respected by all his tenants. When he died, he left large tracts of land to Govind. But Govind did not **spend** a single day looking after his land. He had a funny idea, that there existed a magic potion which, if it was poured on any object would turn it into gold. He spent all his time trying to learn more about this potion. People took advantage of him and cheated him. His wife grew anxious. Given the amount of money Govind was spending, she was sure that they would soon be paupers.

One day, a widely respected sage who had been to the Himalayas came to their town. Govind asked him about the potion. To his surprise the sage answered. "I have learnt how to brew such a potion. But it is a difficult process." "Tell me !" insisted Govind, hardly able to believe his luck. "You have to collect the dew which settles on the leaves of a banana tree every morning during winter. There is a condition though. The tree should be planted and watered regularly with your own hands. Store the collected dew in an earthen vessel and when you have five litres, bring it to me. I will recite a sacred mantra to transform the dew into the potion. A drop of the potion will be sufficient to change any object into gold."

Govind was worried "Winter is only for a few months in the year. It will take me years to collect the dew." "You can plant as many trees as you want" replied the sage. Govind went home and after talking to his wife, began clearing the large fields which had been **lying** vacant for years. He planted rows of banana saplings. He **tended** them with great care. His wife helped him too. She would take the banana crop to market and get a good price. Over the years the plantation grew and finally after six years Govind had five litres of dew. He went to the sage who smiled, uttered a mantra and sprinkled a few drops of dew on a copper vessel. To Govind's **dismay**, nothing happened. "You have cheated me !" he shouted at the sage.

The sage however smiled. Govind's wife then came forward with a box. The sage opened it and revealed stack of gold coins inside. Turning to Govind he said. "You worked hard on your land and created a plantation. Your wife sold the produce in the market. It was your hard work which created this wealth, not magic. If I had told you this earlier, you would not have listened." Govind understood the wisdom behind the sage's words and worked even harder from that day on.

41. Why did Govind's father give him large plots of land ?  
(A) It was his way of instilling a sense of responsibility in his son  
(B) Govind was his only son and sole heir

- (C) To provide Govind with sufficient funds to pursue his interest of discovering magic potion
- (D) He wanted Govind to continue to look after the tenants
- (E) None of these
42. Which of the following can be said about the sage ?
- (A) He was cunning and plotted with Govind's wife to cheat him
- (B) He had no magical powers as such and used to swindle people
- (C) He was a good judge of people
- (D) He did not deserve his good reputation
- (E) He was dishonest because he had cheated Govind out of his gold
43. Why was Govind's wife worried ?
- (A) Govind had no knowledge of farming and could not cultivate the land he had inherited from his father
- (B) Govind had no friends because he was obsessed with finding a potion which would turn any thing into gold
- (C) Govind was only interested in studying under different sages and neglected his family duties
- (D) Since Govind had devoted all his time and wealth to finding a magic potion they would soon be poor
- (E) Govind's experiments to find a magic potion were dangerous
44. Why did Govind's wife help him in the fields ?
1. To support her husband in his endeavour to find a magic potion
  2. The sage had advised her to help her husband succeed
  3. He needed someone to help him collect the dew
- (A) None (B) Only 1
- (C) Both 1 and 2 (D) All 1, 2 and 3
- (E) None of these
45. Why did Govind decide to cultivate a banana crop ?
- (A) The soil of his land was suitable only for cultivating bananas
- (B) It was the most highly priced commodity in the region
- (C) It could be grown at any time of the year including winter
- (D) His wife pressurised him to do so
- (E) The ingredient for the magic potion could only be obtained from a banana tree
46. What made Govind angry with the sage ?
- (A) The sage had conspired with Govind's wife against him
- (B) He had forgotten the magic spell and all Govind's hard work was in vain
- (C) He had lost a good deal of money in cultivating bananas
- (D) The sage had made a fool of him in front of other villagers
- (E) None of these
47. How did Govind acquire his dream of gold finally ?
- (A) The sage gave him gold as a reward for his hard work
- (B) His wife diligently saved the gold he had received from his father
- (C) By selling the banana plantation
- (D) His wife sold bananas at a higher price than others did
- (E) None of these
48. Which of the following is **TRUE** in the context of the passage ?
1. Govind was easily fooled by people
  2. Govind was persevering by nature
  3. The sage had never actually been to the Himalayas
- (A) Only 1 (B) Both 1 and 2
- (C) Only 3 (D) Both 1 and 3
- (E) None of these
- Directions**—(Q. 49–50) Choose the word which is **MOST SIMILAR** in meaning to the word printed in **bold** as used in the passage.
49. **spend**
- (A) pay (B) bought
- (C) devote (D) settle
- (E) empty

50. **lying**

- (A) sleeping (B) dishonest  
(C) relaxing (D) remaining  
(E) untruthful

**Directions**—(Q. 51–52) Choose the word which is **MOST OPPOSITE** in meaning to the word printed in **bold** as used in the passage.

51. **dismay**

- (A) joy (B) interest  
(C) desire (D) humour  
(E) luck

52. **tended**

- (A) negligible (B) watched  
(C) inclined (D) ignored  
(E) spoil

**Directions**—(Q. 53–57) Which of the phrases (A), (B), (C) and (D) given below each sentence should replace the phrase printed in **bold** in the sentence to make it grammatically correct ? If the sentence is correct as it is given and 'No Correction is Required' mark (E) as the answer.

53. **Starting out my** own business at this time would affect the financial stability of my family.

- (A) Starting up my  
(B) For starting with  
(C) To start out mine  
(D) By starting my  
(E) No Correction Required

54. **Use a tactic for** mixing the inferior with good quality rice is dishonest and you will lose your license.

- (A) Using tactics as  
(B) Using a tactic like  
(C) To use tactics  
(D) Used to tactics like  
(E) No Correction Required

55. The company **will invest more** six hundred crores in the next five years to expand its operations in Britain.

- (A) will further invest  
(B) has invested more than  
(C) have invested over  
(D) will be invested above  
(E) No Correction Required

56. Several of our projects **have delayed because** the equipment we ordered was delivered late.

- (A) have been delayed when  
(B) delayed because of  
(C) are delayed since  
(D) were delayed with  
(E) No Correction Required

57. The committee has ruled out the **possible raising** taxes for this financial year.

- (A) possibly raised  
(B) possible rise of  
(C) possibility to raise  
(D) possibility of rising  
(E) No Correction Required

**Directions**—(Q. 58–62) In each question below a sentence with four words printed in **bold** type is given. These are **lettered** as (A), (B), (C) and (D). One of these four words printed in **bold** may be either **wrongly spelt or inappropriate** in the context of the sentence. Find out the word which is wrongly spelt or inappropriate if any. The **letter** of the words is your answer. If all the words printed in **bold** are correctly spelt and also appropriate in the context of the sentence, mark (E) *i.e.*, 'All Correct' as your answer.

58. Under **existing** regulations we are not (A)

- permitted to owe** more than a forty per cent (B) (C)  
**share** of the family business. All Correct (D) (E)

59. In case of any land **dispute** panchayat **officials** (A) (B)

- will determine** how the property is to be (C)  
**dividend.** All Correct (D) (E)

60. The World Bank has **consented** to **sanction** (A) (B)

- the **necessary finance** for the project. (C) (D)  
All Correct (E)

61. To **obtain** a refund you will have to **fill** a  
 (A) (B)  
**claim** with the **appropriate** authority.  
 (C) (D)  
 All Correct  
 (E)
62. Experts **predict** there will be **shortage** of  
 (A) (B)  
**investment** in the **infrastructure** sector.  
 (C) (D)  
 All Correct  
 (E)
- Directions—**(Q. 63–67) Rearrange the following six sentences (1), (2), (3), (4), (5) and (6) in the proper sequence to form a meaningful paragraph; then answer the questions given below them—
- (1) The hall was filled with children, teachers, students, family members and those who were close to him.
  - (2) Normally such ceremonies are attended by important people like industrialists, politicians and VIPs.
  - (3) What I saw when I stepped into the hall amazed me.
  - (4) I went home with the feeling that it was a most unusual oath taking ceremony with only those who were 'important' to him present.
  - (5) When he was elected President, he invited me to the swearing in ceremony in the Central Hall of Parliament.
  - (6) However in this case everyone who attended the ceremony seemed to know him personally.
63. Which of the following should be the **FIRST** sentence after rearrangement ?  
 (A) (1) (B) (2)  
 (C) (3) (D) (4)  
 (E) (5)
64. Which of the following should be the **SECOND** sentence after rearrangement ?  
 (A) (2) (B) (3)  
 (C) (4) (D) (5)  
 (E) (6)
65. Which of the following should be the **THIRD** sentence after rearrangement ?  
 (A) (1) (B) (2)  
 (C) (3) (D) (4)  
 (E) (5)
66. Which of the following should be the **FIFTH** sentence after rearrangement ?  
 (A) (2) (B) (3)  
 (C) (4) (D) (5)  
 (E) (6)
67. Which of the following should be the **LAST (SIXTH)** sentence after rearrangement ?  
 (A) (1) (B) (2)  
 (C) (3) (D) (4)  
 (E) (5)
- Directions—**(Q. 68–72) Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The **letter** of that part is the answer. If there is no error, the answer is (E). (Ignore errors of punctuation, if any.)
68. His proposal had / to be send to / the President  
 (A) (B) (C)  
 of the company / for her approval. No error  
 (D) (E)
69. Each Tuesday evening we visited / the farmers  
 (A) (B)  
 in the area / and held a meeting / to discuss  
 (C) (D)  
 the problems they faced. No error  
 (E)
70. Though our training facilities / are limited  
 (A) (B)  
 only a / few employees have been / selected  
 (C)  
 for training. No error  
 (D) (E)
71. During the interview / the panel asked me /  
 (A) (B)  
 several technical questions / and I answered all  
 (C) (D)  
 of it. No error  
 (E)

72. He decided to work for / an NGO, but most  
 (A) (B)  
 of his / classmates opted for high paid / jobs in  
 (C)  
 multinational companies. No error  
 (D) (E)

**Directions**—(Q. 73–80) In the following passage there are blanks, each of which has been **numbered**. These **numbers** are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

When we ...(73)... started thirty years ago in 1977, we did not know anything about how to run a bank for the poor. We therefore looked at how others ran their operations and ...(74)... from their mistakes. In Bangladesh, conventional banks and credit co-operatives always ...(75)... lump sum repayments. This created ...(76)... problems because repaying in a lump sum was a mental hundle for borrowers. They tended to delay repayment and get further into debt in the ...(77)... In the end they usually ...(78)... totally on the loan, which was a loss to the bank. In structuring our own loans, I decided to ask for a daily payment. Monitoring repayment was ...(79)... and it filled people with ...(80)... that they could repay their loans.

73. (A) firstly (B) freshly  
 (C) foremost (D) initially  
 (E) recently
74. (A) copied (B) observed  
 (C) learned (D) understood  
 (E) improving
75. (A) asked (B) insisted  
 (C) demanded (D) settled  
 (E) lend
76. (A) severe (B) no  
 (C) additionally (D) variety  
 (E) plenty
77. (A) time (B) process  
 (C) return (D) event  
 (E) action
78. (A) neglected (B) abandoned  
 (C) defaulted (D) depended  
 (E) disappointed
79. (A) benefit (B) easier  
 (C) reckless (D) disorganised  
 (E) secure
80. (A) sense (B) confidence  
 (C) challenge (D) doubt  
 (E) believe

## Quantitative Aptitude

**Directions**—(Q. 81 to 90) What should come in place of the question mark (?) in the following questions ?

81.  $(84)^2 - (67)^2 + \sqrt{?} = 2588$

- (A) 361 (B) 529  
 (C) 441 (D) 625  
 (E) None of these

82.  $668 \div 167 \times 284 = ?$

- (A) 1156 (B) 1136  
 (C) 1096 (D) 1116  
 (E) None of these

83.  $\sqrt[3]{10648} \times \sqrt[3]{5832} = ?$

- (A) 396 (B) 216  
 (C) 432 (D) 576  
 (E) None of these

84. 60% of 25% of  $\frac{5}{6}$ th of ? = 630

- (A) 5060 (B) 5200  
 (C) 4880 (D) 4500  
 (E) None of these

85.  $(85410 + 36885 + 24705) \div 1600 = ?$

- (A) 90.25  
 (B) 94.386



- (C) 95.50  
(D) 91.875  
(E) None of these
86.  $4.5 + 23.50 + 14.58 - 17.68 \times 0.5 = ?$   
(A) 33.74 (B) 21.29  
(C) 35.06 (D) 24.48  
(E) None of these
87.  $(3675 \div 75) \times (7480 \div 80) = ?$   
(A) 4394.5 (B) 4301  
(C) 4581.5 (D) 4114  
(E) None of these
88.  $\frac{\sqrt{7744} \times 66}{203 + 149} = ?$   
(A) 15 (B) 18.5  
(C) 20 (D) 16.5  
(E) None of these
89.  $87146 - 66425 - 15693 = ?$   
(A) 5038 (B) 5028  
(C) 5040 (D) 5015  
(E) None of these
90.  $(786 \times 74) \div ? = 1211.75$   
(A) 42 (B) 36  
(C) 56 (D) 54  
(E) None of these
- Directions**—(Q. 91 to 95) What should come in place of question mark (?) in the following number series ?
91. 36, 20, ?, 8, 6, 5  
(A) 10 (B) 12  
(C) 14 (D) 16  
(E) None of these
92. 668, 656, 632, 584, ?, 296  
(A) 392 (B) 438  
(C) 488 (D) 536  
(E) None of these
93. 1, 121, 441, 961, 1681, ?  
(A) 2701 (B) 2511  
(C) 2611 (D) 2801  
(E) None of these
94. 9, 49, 201, 1009, ?, 20209, 80841  
(A) 4054 (B) 4049  
(C) 4050 (D) 4041  
(E) None of these
95. 31, 35, 44, 60, 85, ?  
(A) 121 (B) 111  
(C) 109 (D) 97  
(E) None of these
96. The average of five positive numbers is 308. The average of first two numbers is 482.5 and the average of last two numbers is 258.5. What is the third number ?  
(A) 224  
(B) 58  
(C) 121  
(D) Cannot be determined  
(E) None of these
97. Sophia invests 25% of her monthly salary in insurance policies. She spends 15% of her monthly salary in shopping and 35% of her salary on household expenses. She saves the remaining amount of Rs. 9,050. What is Sophia's annual income ?  
(A) Rs. 84,500 (B) Rs. 5,30,000  
(C) Rs. 3,25,200 (D) Rs. 4,34,400  
(E) None of these
98. The ratio of roses and lillies in a garden is 3 : 2 respectively. The average number of roses and lillies is 180. What is the number of lillies in the garden ?  
(A) 144 (B) 182  
(C) 216 (D) 360  
(E) None of these
99. The number of employees in Companies A, B and C are in a ratio of 3 : 2 : 4 respectively. If the number of employees in the three Companies is increased by 20%, 30% and 15% respectively, what will be the new ratio of employees working in Companies A, B and C respectively ?  
(A) 18 : 13 : 24 (B) 13 : 18 : 23  
(C) 17 : 13 : 23 (D) 18 : 11 : 23  
(E) None of these
100. In how many different ways can the letters of the word 'HAPPY' be arranged ?  
(A) 120 (B) 140  
(C) 60 (D) 70  
(E) None of these

**Directions**—(Q. 101 to 105) Study the following table carefully and answer the questions given below it.

**Total Residents and Percentage of Women out of those Living in Various Societies Over the Years**

Years	Residents									
	A		B		C		D		E	
	% of women	Total Residents	% of women	Total Residents	% of women	Total Residents	% of women	Total Residents	% of women	Total Residents
2002	45	300	60	240	36	150	30	200	38	300
2003	30	250	75	280	40	200	60	260	40	280
2004	40	320	50	220	40	210	45	240	45	320
2005	45	340	60	250	50	230	50	250	40	300
2006	35	320	65	260	45	240	35	220	45	340
2007	50	350	60	300	45	260	40	240	40	330

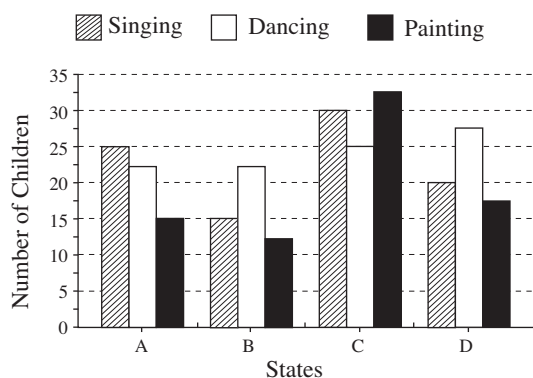
101. What is the respective ratio of the number of women to the total residents in society C over the years ?  
 (A) 47 : 108                      (B) 91 :: 215  
 (C) 93 : 215                      (D) 47 : 109  
 (E) None of these
102. What is the approximate average number of women living in all the societies together in the year 2002 ?  
 (A) 98                              (B) 105  
 (C) 107                              (D) 101  
 (E) 111
103. What is the difference between the total residents living in all the societies together in the year 2003 and the total residents living in all the societies together in the year 2004 ?  
 (A) 60                              (B) 45  
 (C) 30                              (D) 50  
 (E) None of these
104. What is the respective ratio of men living in Society E in the year 2006 to the year 2007 ?  
 (A) 17 : 18                      (B) 18 : 17  
 (C) 16 : 17                      (D) 17 : 16  
 (E) None of these
105. What is the total number of men living in all the societies together in the year 2004 ?  
 (A) 710  
 (B) 736  
 (C) 680  
 (D) 742  
 (E) None of these
106. What amount of compound interest can be obtained on an amount of Rs. 8,840 at the rate of 5 p.c.p.a. at the end of 3 years ?  
 (A) Rs. 1,393.405              (B) Rs. 1,326  
 (C) Rs. 1,384.50              (D) Rs. 1,340  
 (E) None of these
107. A trader sells 150 metres of cloth for Rs. 6,600 and he sells 300 metres of cloth for Rs. 12,750. How much concession does the trader give per metre of cloth, when he sells 300 metres of cloth ?  
 (A) Rs. 3                              (B) Rs. 2.5  
 (C) Rs. 1.5                              (D) Rs. 2  
 (E) None of these
108. When 3888 is divided by the square of a number and the answer so obtained is multiplied by 21, the final answer obtained is 252. What is the number ?  
 (A) 324                              (B) 16  
 (C) 256                              (D) 144  
 (E) None of these
109. The sum of the two digits of a two digit number is 14, the difference between the first digit and the second digit of the two digit number is 4. What is the two digit number ?  
 (A) 86  
 (B) 95

- (C) 59
- (D) Cannot be determined
- (E) None of these

110. A car runs at the speed of 40 kms per hour when not serviced and runs at 65 kms/hr. when serviced. After servicing the car covers a certain distance in 5 hours. How much **approximate** time will the car take to cover the same distance when not serviced ?
- (A) 10
  - (B) 7
  - (C) 12
  - (D) 8
  - (E) 6

**Directions**—(Q. 111 to 115) Study the following graph and answer the questions given below it.

**Number of Children pursuing various Hobby Classes in various States**  
(Number in thousands)



111. What is the average number of children pursuing painting classes from all the States together ?
- (A) 19735
  - (B) 17395
  - (C) 19725
  - (D) 18385
  - (E) None of these
112. The children pursuing singing classes in State A are what per cent of the total number of children pursuing all the three classes from the same State ?
- (A) 30
  - (B) 35
  - (C) 40
  - (D) 45
  - (E) None of these
113. What is the difference between the total number of children pursuing dancing and the

total number of children pursuing painting from all the State together ?

- (A) 20000
- (B) 15000
- (C) 25000
- (D) 10000
- (E) None of these

114. What is the respective ratio of the number of children pursuing dancing from State B to the number of children pursuing dancing from State D ?
- (A) 7 : 9
  - (B) 11 : 9
  - (C) 11 : 7
  - (D) 9 : 11
  - (E) None of these
115. What is the average number of children pursuing singing, dancing and painting from State C ? (Rounded off to the nearest integer)
- (A) 28859
  - (B) 29167
  - (C) 291216
  - (D) 28765
  - (E) None of these

**Directions**—(Q. 116 to 120) What **approximate** value should come in place of the question mark (?) in the following questions ? (You are not expected to calculate the exact value)

116.  $[(1.3)^2 \times (4.2)^2] \div 2.7 = ?$
- (A) 7
  - (B) 21
  - (C) 18
  - (D) 11
  - (E) 16
117.  $746 \div 32 \times 15 = ?$
- (A) 350
  - (B) 345
  - (C) 355
  - (D) 340
  - (E) 335
118.  $\sqrt{834} \times \sqrt{349} = ?$
- (A) 525
  - (B) 556
  - (C) 534
  - (D) 550
  - (E) 540
119.  $(3986 + 2416 + 3897) \div 754 = ?$
- (A) 18
  - (B) 14
  - (C) 11
  - (D) 9
  - (E) 21
120.  $41.25 + 11.085 \times 2.75 = ?$
- (A) 63
  - (B) 67
  - (C) 76
  - (D) 72
  - (E) 80

## Reasoning Test

121. If 'football' is called 'cricket', 'cricket' is called 'basketball', 'basketball' is called 'badminton', 'badminton' is called 'volleyball', 'volleyball' is called 'hockey' and 'hockey' is called 'golf', which of the following games is not played using a ball ?  
 (A) Volleyball (B) Basketball  
 (C) Hockey (D) Cricket  
 (E) None of these
122. If it is possible to make only one meaningful word with the First, Second, Third and Fifth letters of the word TECHNOLOGY, which of the following would be the third letter of that word ? If no such word can be made, give 'X' as your answer and if more than one such word can be formed, give your answer as 'Y'—  
 (A) C (B) T  
 (C) N (D) X  
 (E) Y
123. If each of the digits in the number 92581473 are arranged in ascending order, what will be the difference between the digits which are fourth from the right and third from the left in the new arrangement ?  
 (A) One (B) Two  
 (C) Three (D) Four  
 (E) None
124. In a certain code 'ja ki mo pe' mean 'at a frog's leap', 'mo la ki so' means 'take a leap ahead' and 're bo ja na' means 'insects are frog's diet'. Which of the following is the code for 'at' in that language ?  
 (A) ja (B) pe  
 (C) bo (D) re  
 (E) None of these
125. If in a certain language WEAK is coded as 9%2\$ and SKIT is coded as #7\$, then how will WAIT be coded in the same language ?  
 (A) 9267 (B) 9276  
 (C) 92@6 (D) 9@67  
 (E) None of these
126. How many meaningful three letter English words can be formed with the letter WNO, using each letter only once in each word ?  
 (A) None (B) One  
 (C) Two (D) Three  
 (E) Four
127. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?  
 (A) Clutch (B) Wheel  
 (C) Break (D) Car  
 (E) Gear
128. How many such pairs of letters are there in word SENDING, each of which has as many letters between its two letters as there are between them in the English alphabets ?  
 (A) None (B) One  
 (C) Two (D) Three  
 (E) More than three
129. Each vowel of the word GLADIOLUS is substituted with the next letter of the English alphabetical series, and each consonant is substituted with the letter preceding it. How many vowels are present in the new arrangement ?  
 (A) None (B) One  
 (C) Two (D) Three  
 (E) None of these
130. In a certain code THEN is written as VFGL. How is WORD written in that code ?  
 (A) UQPF (B) YMTB  
 (C) YMVB (D) VQFP  
 (E) None of these
- Directions—(Q. 131–135)** In each of these questions, a group of letters is given followed by four combinations of number/symbol lettered (A), (B), (C) and (D). Letters are to be coded as per the scheme and conditions given below. You have to find out the serial number of the combination, which represents the letter group. So letter of that combination is your answer. If none of the combinations is correct, your answer is 'None of these'.

**Letters** : M B D K Q L I R J S N P A E G  
**Number/**  
**Symbol** : @ 3 7 % ★ 4 # 1 2 £ 8 5 9 \$ 6

**Conditions :**

- (i) If the first letter is a vowel and the last a consonant, both are to be coded as the code for the consonant.  
(ii) If the first letter is a consonant and the last a vowel, the codes for the first and the last are to be interchanged.  
(iii) If no vowel is present in the group of letters, the first and the last letters are to be coded as ©
131. GQRDBN  
(A) ©★173© (B) 6★1738  
(C) 6★1736 (D) 8★1738  
(E) None of these
132. IPEBQS  
(A) #5\$3★£ (B) #53\$★#  
(C) £5\$3★£ (D) £5\$3★#  
(E) None of these
133. RMAPSI  
(A) 1@95£# (B) 1@95£1  
(C) #@95£# (D) #@95£1  
(E) None of these
134. AREMQN  
(A) 91\$@★8 (B) 81\$@★8  
(C) 81\$@★9 (D) 91\$@★9  
(E) None of these
135. KJBPRD  
(A) 923517 (B) 723517  
(C) %23519 (D) ©2915©  
(E) None of these
- Directions**—(Q. 136–140) Read the following information carefully and answer the questions, which follow :—  
‘A – B’ means ‘A is daughter of B’.  
‘A + B’ means ‘A is wife of B’.  
‘A ÷ B’ means ‘A is father of B’.  
‘A × B’ means ‘A is son of B’.
136. In the expression ‘P × R – S’ how is P related to S ?  
(A) Father (B) Grandfather  
(C) Grandson (D) Sister  
(E) None of these
137. Which of the following means S is son-in-law of P ?  
(A) P + R × S (B) P ÷ R × S  
(C) P + R ÷ S (D) P ÷ R + S  
(E) None of these
138. In the expression ‘P – Q + S’ how is S related to P ?  
(A) Mother  
(B) Father  
(C) Brother  
(D) Can’t be determined  
(E) None of these
139. How is P related to S in the expression ‘P × Q ÷ S’ ?  
(A) Brother (B) Wife  
(C) Son (D) Sister  
(E) None of these
140. How is S related to P in the expression ‘P + R ÷ S’ ?  
(A) Son  
(B) Daughter  
(C) Daughter-in-law  
(D) Sister  
(E) None of these
- Directions**—(Q. 141–145) Study the sets of numbers given below and answer the questions, which follow :—  
972, 682, 189, 298, 751
141. If one is added to the lowest number and two is added to the highest number, what will be the difference between the second digit of the smallest number and third digit of the highest number ?  
(A) 5 (B) 7  
(C) 9 (D) 8  
(E) None of these
142. If in each number, first and the last digits are interchanged, which of the following will be the third highest number ?  
(A) 972 (B) 682  
(C) 189 (D) 298  
(E) 751

143. If in each number, all the three digits are arranged in descending order, which of the following will be the third highest number ?  
 (A) 972 (B) 682  
 (C) 189 (D) 298  
 (E) 751
144. If in each number, second and the third digits are interchanged, what will be the sum of first digit of the smallest number and last digit of highest number ?  
 (A) 7 (B) 6  
 (C) 9 (D) 8  
 (E) None of these
145. If one is added to the smallest odd number and one is subtracted from the highest odd number, which of the following will be obtained if the second digit of the highest number is subtracted from the second digit of the lowest number so formed ?  
 (A) 6 (B) 5  
 (C) -4 (D) 3  
 (E) 2

**Directions**—(Q. 146–150) In each of the questions below are given three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read both of the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Read the statements and the conclusions which follow it and

**Give answer**—

- (A) if only conclusion I is true.  
 (B) if only conclusion II is true.  
 (C) if either conclusion I or conclusion II is true.  
 (D) if neither conclusion I nor conclusion II is true.  
 (E) if both conclusions I and II are true.
146. **Statements** : No pen is a mobile.  
                   Some mobiles are bottles.  
                   All bottles are papers.

**Conclusions** :

- I. Some papers are pens.  
 II. All bottles are pens.

147. **Statements** : All computers are radios.  
                   All radios are televisions.  
                   Some televisions are watches.

**Conclusions** :

- I. Some watches are computers.  
 II. Some televisions are computers.

148. **Statements** : Some desks are chairs.  
                   Some chairs are doors.  
                   Some doors are walls.

**Conclusions** :

- I. Some walls are chairs.  
 II. No chair is a wall.

149. **Statements** : All stars are fishes.  
                   Some fishes are moons.  
                   All moons are birds.

**Conclusions** :

- I. Some birds are fishes.  
 II. Some stars are moons.

150. **Statements** : All leaves are roots.  
                   All stems are roots.  
                   All roots are flowers.

**Conclusions** :

- I. Some flowers are stems.  
 II. Some flowers are leaves.

**Directions**—(Q. 151–155) Study the following information carefully to answer these questions—

A group of people has six family members and an advocate. These are L, M, N, O, P, Q and R and having different professions. Each one of them is a journalist, businessman, architect, doctor and pilot but not necessarily in this order. There are three males and three females in the family out of which there are two married couples. M is a businessman and is the father of P, Q is a doctor and grandfather of P. N is a housewife and is daughter-in-law of O. L is neither a pilot nor a journalist. R is an advocate. N is not the mother of

P and O is not married to M. No lady is a journalist.

151. Which of the following groups represents the three ladies in the group ?  
 (A) N, P, L (B) P, L, N  
 (C) L, N, O (D) O, P, L  
 (E) None of these
152. Who is married to Q ?  
 (A) N  
 (B) O  
 (C) L  
 (D) Can't be determined  
 (E) None of these
153. Who among the following family members is an architect ?  
 (A) L

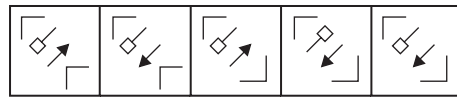
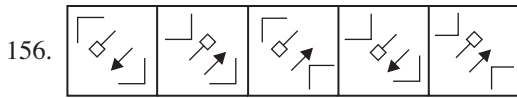
- (B) O  
 (C) P  
 (D) Can't be determined  
 (E) None of these

154. Which of the following is the profession of P ?  
 (A) Architect  
 (B) Pilot  
 (C) Architect or pilot  
 (D) Journalist  
 (E) None of these
155. How is Q related to O ?  
 (A) Father (B) Mother  
 (C) Mother-in-law (D) Son-in-law  
 (E) None of these

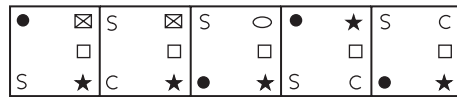
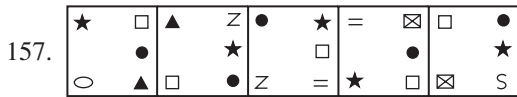
**Directions**—(Q. 156–160) In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued ?

**Problem Figures**

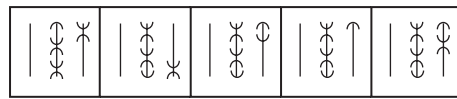
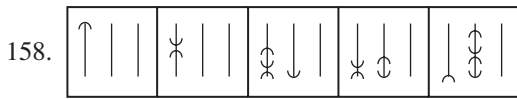
**Answer Figures**



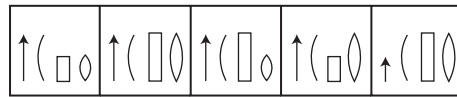
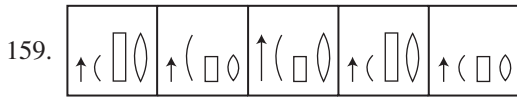
- (A) (B) (C) (D) (E)



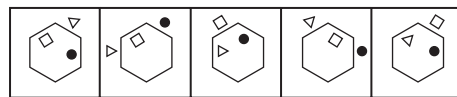
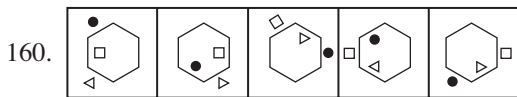
- (A) (B) (C) (D) (E)



- (A) (B) (C) (D) (E)



- (A) (B) (C) (D) (E)



- (A) (B) (C) (D) (E)

## Marketing Aptitude/Computer Knowledge

161. .... is a set of keywords, symbols, and a system of rules for constructing statements by which humans can communicate the instructions to be executed by a computer.  
(A) A computer program  
(B) A programming language  
(C) An assemble  
(D) Syntax  
(E) None of these
162. A printer is this kind of device .....  
(A) input (B) word processing  
(C) processing (D) output  
(E) None of these
163. This can be another-word for program .....  
(A) software (B) disk  
(C) floppy (D) hardware  
(E) None of these
164. The name of the computer's brain is .....  
(A) monitor (B) hardware  
(C) CPU (D) byte  
(E) None of these
165. A(n) ..... is a device that electronically processes data, converting it to information.  
(A) algorithm (B) computer  
(C) software (D) program  
(E) None of these
166. Which of the following are computers that can be carried around easily ?  
(A) Minicomputers (B) Supercomputers  
(C) PCs (D) Laptops  
(E) None of these
167. The secret code that restricts entry to some programs .....  
(A) password (B) passport  
(C) entry-code (D) access-code  
(E) None of these
168. The basic goal of computer process is to convert data into .....  
(A) files (B) tables  
(C) information (D) graphs  
(E) None of these
169. Where is the disk put in a computer ?  
(A) In the modem (B) In the hard drive  
(C) Into the CPU (D) In the disk drive  
(E) None of these
170. A hard copy of a document is .....  
(A) printed on the printer  
(B) stored on a floppy  
(C) stored on a CD  
(D) stored in the hard disk  
(E) None of these
171. The name that the user gives to a document is referred to as .....  
(A) document-name  
(B) filename  
(C) name-given  
(D) document-identity  
(E) None of these
172. Restarting a computer that is already on is referred to as .....  
(A) shut down (B) cold booting  
(C) warm booting (D) logging off  
(E) None of these
173. E-mail (electronic mail) is .....  
(A) an Internet standard that allows users to upload and download files  
(B) a real-time typed conversation that takes place on a computer  
(C) an online area in which users conduct written discussions about a particular subject  
(D) the transmission of messages and files via a computer network  
(E) None of these
174. The person who writes and tests computer programs is called a .....  
(A) programmer  
(B) computer scientist  
(C) software engineer  
(D) project developer  
(E) None of these



175. The information you put into the computer is called .....
- (A) facts (B) data  
(C) files (D) directory  
(E) None of these
176. The output devices make it possible to .....
- (A) view or print data  
(B) store data  
(C) scan data  
(D) input data  
(E) None of these
177. A chat is .....
- (A) an Internet standard that allows users to upload and download files  
(B) a typed conversation that takes place on a computer  
(C) an online area in which users conduct written discussions about a particular subject  
(D) the transmission of messages and files via a computer network  
(E) None of these
178. Hardware includes .....
- (A) all devices used to input data into a computer  
(B) sets of instructions that a computer runs or executes  
(C) the computer and all the devices connected to it that are used to input and output data  
(D) all devices involved in processing information including the central processing unit, memory and storage  
(E) None of these
179. The most common method of entering text and numerical data into a computer system is through the use of a .....
- (A) keyboard (B) scanner  
(C) printer (D) plotter  
(E) None of these
180. Which of the following groups consist of only input devices ?
- (A) Mouse, Keyboard, Monitor  
(B) Mouse, Keyboard, Printer  
(C) Mouse, Keyboard, Plotter  
(D) Mouse, Keyboard, Scanner  
(E) None of these
181. Marketing is required in banks due to .....
- (A) globalisation  
(B) computerisation  
(C) increase in population  
(D) government dictates  
(E) None of these
182. Marketing is .....
- (A) a day to day function  
(B) a one-off affair  
(C) a one-man show  
(D) a collective process  
(E) a means to earn extra income
183. Qualities needed by a good marketing staff are .....
- (A) Aggressiveness (B) Pushy  
(C) Perseverance (D) Politeness  
(E) Only (C) & (D)
184. Marketing should be resorted to .....
- (A) only among rich persons  
(B) only among the poor  
(C) only in crowded areas  
(D) depends on the product  
(E) depends on the banks
185. HNI means .....
- (A) High Income Individual  
(B) Honest Marketing Staff  
(C) High Networth Individual  
(D) Honest Neutral Individual  
(E) None of these
186. Marketing Strategies mean .....
- (A) plan for effective marketing  
(B) type of Marketing style  
(C) market Demands  
(D) All of these  
(E) None of these
187. Market Plan is .....
- (A) an action plan for day-to-day marketing  
(B) effective Selling steps  
(C) effective Buying steps

- (D) a comprehensive document for marketing strategies  
(E) All of these
188. Digital marketing means .....  
(A) selling digital goods  
(B) selling calculators  
(C) selling through internet  
(D) All of these  
(E) None of these
189. Target group means .....  
(A) all employees  
(B) short-listed group  
(C) all the marketing staff  
(D) sales Representatives  
(E) group of people likely to buy the identified product
190. The target group for Home Loans are .....  
(A) individuals (B) salaried persons  
(C) businessmen (D) professionals  
(E) All of these
191. Customer Service .....  
(A) is an integral part of marketing  
(B) has no role in marketing  
(C) is required only by salesmen  
(D) is not required by salesmen  
(E) None of these
192. Public Relations is .....  
(A) part of Customer Service  
(B) part of Marketing  
(C) part of Image Building  
(D) All of these  
(E) None of these
193. Bancassurance means .....  
(A) assuring to repay bank loans  
(B) assuring to repay credit card dues  
(C) assuring to repay home loan dues  
(D) insurance of banks  
(E) All of these
194. Relationship Marketing means .....  
(A) selling to relatives  
(B) selling by relatives  
(C) after sales service  
(D) cross-selling  
(E) All of these
195. Motivation means .....  
(A) keeping the salesmen happy  
(B) keeping the staff happy  
(C) more enthusiasm  
(D) more team-work  
(E) All of these
196. Effective communication is .....  
(A) not required if demand exceeds supply  
(B) a sine-qua-non for marketing  
(C) good vocabulary  
(D) all of these  
(E) None of these
197. Customisation means .....  
(A) products for specific customers  
(B) good customer service  
(C) bad customer service  
(D) after-sales service  
(E) None of these
198. Marketing can be attractive if .....  
(A) salesmen are attractive  
(B) customers are attractive  
(C) more customers are attracted  
(D) All of these  
(E) None of these
199. Buyer Resistance means .....  
(A) buyers fighting with the salesmen  
(B) reluctant salesmen  
(C) indifferent salesmen  
(D) hesitant buyers  
(E) None of these
200. Closing the Sale means .....  
(A) close down marketing functions  
(B) stop selling  
(C) successful completion of a call  
(D) All of these  
(E) None of these

### Answers with Explanations

1. (D)
2. (A) Harbhajan Singh became the third Indian and 22nd cricketer in the world to claim 300 wickets in test cricket on 7th November, 2008.

3. (D)
4. (C) Aravind Adiga is a Journalist and author, who holds dual Indian and Australian citizenship. His debut novel, 'The White Tiger' won the 2008 Man Booker Prize. The novel studies the contrast between India's rise as a Modern global economy and the main character who comes from crushing rural poverty.
5. (C)
6. (E) The Prime Minister of India Haggled off the first ever train from Nowgam to Budgam 11th October, 2008 in the Kashmir Valley. The train will cover Baramulla (North Kashmir)—Qazigund (South Kashmir) pairs of stations on its final completion.
7. (A) 8. (C)
9. (B) IBSA is a trilateral, developmental initiative between India, Brazil and South Africa to promote South-South co-operation and exchange. In the aftermath of discussions between the heads of state and/or Government of the IBSA countries at the G-8 meeting that took place in Evian in 2003, and following ongoing trilateral consultations, the foreign ministers of the Respective countries met in Brasilia on 6 June, 2003. At this meeting between ministers N. Kosazana Dlamini Zuma from South Africa, Celso Amorim from Brazil and Yashwant Sinha from India, the launching of the IBSA Dialogue forum was formalized through the adoption of the 'Brasiliade Declaration'.
10. (D) The General Assembly elected Austria, Japan, Mexico, Turkey and Uganda to serve as non-permanent members of the Security Council for two-year terms starting on 1 January 2009. The newly elected countries will replace Belgium, Indonesia, Italy, Panama and South Africa.
11. (C) 12. (D) 13. (A) 14. (E) 15. (E)
16. (C) 17. (D) 18. (D) 19. (A) 20. (A)
21. (E)
22. (B) Duvvuri Subbarao is the twenty-second Governor of Reserve Bank of India (RBI). Subbarao took over from Y. Venugopal Reddy, the previous governor on 5th September, 2008. His term as governor will end in September 2011.
23. (E) 24. (D)
25. (D) Infinite Jest is a 1996 novel written by David Foster Wallace. The lengthy and complex work takes place in a semi-parodic future version of North America. The novel touches on the topics of tennis, substance addiction and recovery programs, depression, child abuse, family relationships, advertising and popular entertainment, family theory and Quebec Saratism.
- Time Magazine included the novel in its time 100 Best English language novels from 1923 to 2005 list.
26. (C) 27. (C)
28. (A) The 2008 Fed Cup was the 46th edition of the most important tournament between National teams in women's tennis. 8 teams contested the world group, and 85 teams competed in total. The final took place in Madrid, Spain, on 13-14 September, with Russia defeating Spain, 4-0 to retain the title.
29. (B) 30. (C) 31. (C) 32. (B) 33. (E)
34. (E) 35. (B) 36. (A)
37. (B) Pandit Bhimsen Joshi is one of India's renowned vocalists in the Hindustani classical tradition. A member of the Kirana Gharana (School) he is renowned for the Khayal form of singing as well as for his popular renditions of devotional music. He was awarded the Bharat Ratna, India's highest civilian honour.
38. (A) 39. (E) 40. (C) 41. (B) 42. (C)
43. (D) 44. (B) 45. (E) 46. (E) 47. (C)
48. (B) 49. (C) 50. (D) 51. (A) 52. (D)
53. (A) Change 'Starting out my', to 'Starting up my'.
54. (B) Change 'Use a tactic for' to 'Using a tactic like'.
55. (A) Change 'will invest more' to 'will further invest'.
56. (B) Change 'Have delayed because' to 'delayed because of'.
57. (C) Possibility to raise.
58. (D) Change 'Share' to 'Shares'.
59. (D) Change 'Dividend' to 'Divided'.
60. (E)
61. (B) Change 'fill' to 'file'.
62. (B) Add 'a' before shortage.

63. (E) 64. (B) 65. (A) 66. (E) 67. (D)

68. (B) Change 'send' to 'sent'.

69. (D) Add 'which' after problems.

70. (B) Delete 'A' because here the sense is negative.

71. (D) Change 'It' to them.

72. (C) Change 'High' to Highly.

73. (D) 74. (C) 75. (D) 76. (A) 77. (B)

78. (C) 79. (B) 80. (B)

81. (C)  $\therefore (84)^2 - (67)^2 + \sqrt{?} = 2588$

$$\Rightarrow 7056 - 4489 + \sqrt{?} = 2588$$

$$\Rightarrow \sqrt{?} = 2588 - 7056 + 4489$$

$$= 21$$

$$\therefore ? = (21)^2 = 441$$

82. (B)  $? = 668 \div 167 \times 284$

$$= \frac{668}{167} \times 284$$

$$= 1136$$

83. (A)  $? = \sqrt[3]{10648} \times \sqrt[3]{5832}$

$$= 22 \times 18$$

$$= 396$$

84. (E)  $\therefore \frac{60}{100}$  of  $\frac{25}{100}$  of  $\frac{5}{6}$  of  $? = 630$

$$\therefore ? = \frac{630 \times 6 \times 100 \times 100}{5 \times 25 \times 60}$$

$$= 5040$$

85. (D)  $? = (85410 + 36885 + 24705) \div 1600$

$$= \frac{147000}{1600}$$

$$= 91.875$$

86. (A)  $? = 4.5 + 23.50 + 14.58 - 17.68 \times 0.5$

$$= 42.58 - 8.84$$

$$= 33.74$$

87. (C)  $? = (3675 \div 75) \times (7480 \div 80)$

$$= 49 \times 93.5$$

$$= 4581.5$$

88. (D)  $? = \frac{\sqrt{7744} \times 66}{(203 + 149)}$

$$= \frac{88 \times 66}{(203 + 149)}$$

$$= \frac{5808}{352}$$

$$= 16.5$$

89. (B)  $? = 87146 - 66425 - 15693$

$$= 5028$$

90. (E)  $\therefore (786 \times 74) \div ? = 1211.75$

$$\Rightarrow \frac{58164}{?} = 1211.75$$

$$\therefore ? = \frac{58164}{1211.75}$$

$$= 48$$

91. (B) 
$$\begin{array}{cccccc} 36 & 20 & \boxed{12} & 8 & 6 & 5 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ -16 & -8 & -4 & -2 & -1 & \end{array}$$

92. (C) 
$$\begin{array}{cccccc} 668 & 656 & 632 & 584 & \boxed{488} & 296 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ -12 & -24 & -48 & -96 & -192 & \end{array}$$

93. (E) 
$$\begin{array}{cccccc} 1 & 121 & 441 & 961 & 1681 & \boxed{2601} \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ (1)^2 & (11)^2 & (21)^2 & (31)^2 & (41)^2 & (51)^2 \end{array}$$

94. (D) 
$$\begin{array}{cccccc} 9 & 49 & 201 & 1009 & \boxed{4041} & 20209 & 80841 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ \times 5+4 & \times 4+5 & \times 5+4 & \times 4+5 & \times 5+4 & \times 4+5 & \end{array}$$

95. (A) 
$$\begin{array}{cccccc} 31 & 35 & 44 & 60 & 85 & \boxed{121} \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ +(2)^2 & +(3)^2 & +(4)^2 & +(5)^2 & +(6)^2 & \end{array}$$

96. (B) Third number

$$= 5 \times 308 - (482.5 \times 2 + 258.5 \times 2)$$

$$= 1540 - (965 + 517)$$

$$= 1540 - 1482$$

$$= 58$$

97. (D) Total expenditure =  $25 + 15 + 35$

$$= 75\%$$

$$\therefore \text{Saving} = 100 - 75$$

$$= 25\%$$

$$\therefore \text{Her annual income} = \frac{9050 \times 100}{25} \times 12$$

$$= \text{Rs. } 434400$$

98. (A) No. of lillies =  $\frac{180 \times 2 \times 2}{3 + 2}$

$$= 144$$

99. (E)  $\therefore A : B : C = 3 : 2 : 4$

As per question,

$$A = \frac{3 \times 120}{100} = 3.6$$

$$B = \frac{2 \times 130}{100} = 2.6$$

and  $C = \frac{4 \times 115}{100} = 4.6$

$$\begin{aligned} \therefore \text{New ratio of } A : B : C \\ &= 360 : 260 : 460 \\ &= 18 : 13 : 23 \end{aligned}$$

100. (C) Total No. of different ways =  $\frac{5}{2}$   
= 60

101. (C) Req'd. ratio

$$\begin{aligned} &= \frac{36\% \text{ of } 150 + 40\% \text{ of } 200 + 40\% \text{ of } 210 \\ &+ 50\% \text{ of } 230 + 45\% \text{ of } 240 + 45\% \text{ of } 260}{(150 + 200 + 210 + 230 + 240 + 260)} \\ &= \frac{54 + 80 + 84 + 115 + 108 + 117}{1290} \end{aligned}$$

$$= 558 : 1290$$

$$= 93 : 215$$

102. (D) Req'd. average

$$\begin{aligned} &= \frac{1}{5} [45\% \text{ of } 300 + 60\% \text{ of } 240 + 36\% \text{ of } 150 \\ &+ 30\% \text{ of } 200 + 36\% \text{ of } 300] \end{aligned}$$

$$= \frac{1}{5} [135 + 144 + 54 + 60 + 114]$$

$$= \frac{507}{5} = 101.4$$

$$\approx 101$$

103. (E) Req'd. difference

$$= (320 + 220 + 210 + 240 + 320)$$

$$- (250 + 280 + 200 + 260 + 280)$$

$$= 1310 - 1270$$

$$= 40$$

104. (A) Req'd. ratio

$$= (100 - 45)\% \text{ of } 340 : (100 - 40)\% \text{ of } 330$$

$$= (55\% \text{ of } 340) : (60\% \text{ of } 330)$$

$$= 187 : 198$$

$$= 17 : 18$$

105. (B) Total no. of men in 2004

$$= 60\% \text{ of } 320 + 50\% \text{ of } 220 + 60\% \text{ of } 210 \\ + 55\% \text{ of } 240 + 55\% \text{ of } 320$$

$$= \frac{3}{5} \times 320 + \frac{1}{2} \times 220 + \frac{3}{5} \times 210 + \frac{11}{20} \times 240$$

$$+ \frac{11}{20} \times 320$$

$$= 192 + 110 + 126 + 132 + 176$$

$$= 736$$

106. (A) C.I. =  $8840 \left[ \left( 1 + \frac{5}{100} \right)^3 - 1 \right]$

$$= 8840 \left( \frac{21}{20} \times \frac{21}{20} \times \frac{21}{20} - 1 \right)$$

$$= 8840 \left( \frac{9261 - 8000}{8000} \right)$$

$$= \frac{8840 \times 1261}{8000}$$

$$= \text{Rs. } 1393.405$$

107. (C)  $\therefore$  Price of 150 m. of cloth

$$= \text{Rs. } 6600$$

$$\therefore \text{ Price of 300 m of cloth} = \frac{6600 \times 300}{150}$$

$$= \text{Rs. } 13200$$

$$\therefore \text{ Total concession} = 13200 - 12750$$

$$= \text{Rs. } 450$$

$$\therefore \text{ Concession per metre} = \frac{450}{300}$$

$$= \text{Rs. } 1.5$$

108. (E) Let the req'd. number be  $x$ .

$$\therefore \frac{3888}{x^2} \times 21 = 252$$

$$\Rightarrow x^2 = \frac{3888 \times 21}{252}$$

$$= 324$$

$$\therefore x = \sqrt{324}$$

$$= 18$$

109. (D) Digit number cannot be determined.

110. (D) Req'd. time =  $\frac{65 \times 5}{40} = 8.125$

$$\approx 8 \text{ hrs (App.)}$$

111. (E) Average number  

$$= \frac{(15000 + 12500 + 32500 + 17500)}{4}$$

$$= \frac{77500}{4} = 19375$$
112. (C) Reqd. % =  $\frac{25000 \times 100}{(25000 + 22500 + 15000)}\%$   

$$= \frac{25000 \times 100}{62500}\%$$

$$= 40\%$$
113. (A) Total number of children pursuing dancing from all states  

$$= 22500 + 22500 + 25000 + 27500$$

$$= 97500$$
 Total number of children pursuing painting from all states  

$$= 15000 + 12500 + 32500 + 17500$$

$$= 77500$$

$$\therefore \text{Reqd. difference}$$

$$= 97500 - 77500 = 20000$$
114. (D) Reqd. ratio = 22500 : 27500  

$$= 9 : 11$$
115. (B) Average number  

$$= \frac{(30000 + 25000 + 32500)}{3}$$

$$= \frac{(87500)}{3}$$

$$= 29166 \frac{2}{3} = 29167.667$$

$$\simeq 29167 \text{ (Approx.)}$$
116. (D) ? =  $[(1.3)^2 \times (4.2)^2] \div 2.7$   

$$= [1.69 \times 17.64] \div 2.7$$

$$= \frac{29.8116}{2.7}$$

$$= 11.04$$

$$\simeq 11 \text{ (App.)}$$
117. (A) ? =  $746 \div 32 \times 15$   

$$= \frac{746}{32} \times 15$$
118. (D) ? =  $\sqrt{834} \times \sqrt{349}$   

$$= 28.87 \times 18.68$$

$$\simeq 29 \times 19 = 551$$

$$\simeq 550 \text{ (App.)}$$
119. (B) ? =  $(3986 + 2416 + 3897) \div 754$   

$$= \frac{10299}{754} = 13.66$$

$$\simeq 14 \text{ (App.)}$$
120. (D) ? =  $41.25 + 11.085 \times 2.75$   

$$= 41.25 + 30.48 = 71.73$$

$$\simeq 72 \text{ (App.)}$$
121. (A) Badminton is not played using a ball and Badminton is called Volleyball. Hence, required game is Volleyball.
122. (C) I, II, III and IV letters of the word TECHNOLOGY are T, E, C and N and with these letters the meaningful word made is CENT whose third letter is 'N'.
123. (B) The digits in ascending form are : 1 2 3 4 5 7 8 9.  

$$\therefore \text{In new arrangement 4th from the right is 5 and 3rd from the left is 3. Hence, required difference is 2.}$$
124. (B) ja ki mo pe  $\rightarrow$  at a frog's leap ... (1)  
 mo la ki so  $\rightarrow$  take a leap ahead ... (2)  
 and re bo ja na  $\rightarrow$  insects are frog's diet ... (3)  

$$\therefore \text{From (1) and (2)}$$

$$\text{mo ki} \Rightarrow \text{a, leap}$$
 and from (1) and (3)  

$$\text{ja} \rightarrow \text{frog's}$$

$$\therefore \text{at} \rightarrow \text{pe}$$
125. (E) WEAK  $\rightarrow$  9%2\$  
 and SKIT  $\rightarrow$  # \$ 7 @  

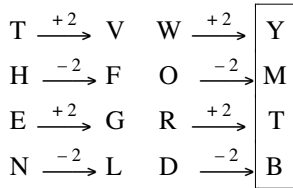
$$\therefore \text{WAIT} \rightarrow 927@$$
126. (D) Words formed are : OWN, NOW and WON.
127. (D) All the rest are parts of car.

128. (D)



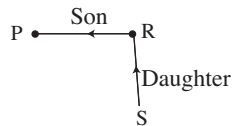
129. (A) G L A D I O L U S  
 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
 F K B C J P K V R

130. (B) As, Similarly,



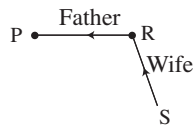
131. (A) 132. (C) 133. (D) 134. (B) 135. (E)

136. (C)  $P \times R \rightarrow$  P is the son of R,  
 and  $R - S \rightarrow$  R is the daughter of S



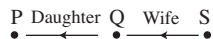
$\therefore$  P is the grandson of S.

137. (D)  $P \div R \rightarrow$  P is the father of R  
 and  $R + S \rightarrow$  R is the wife of S.



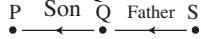
$\therefore$  S is the son-in-law of P.

138. (B)  $P - Q \rightarrow$  P is the daughter of R  
 and  $Q + S \rightarrow$  Q is the wife of S.



$\therefore$  S is the father of P.

139. (A)  $P \times Q \rightarrow$  P is the son of Q.  
 and  $Q \div S \rightarrow$  Q is the father of S.



$\therefore$  P is the brother of S.

140. (E)  $P + R \rightarrow$  P is the wife of R  
 and  $R \div S \rightarrow$  R is the father of S.



$\therefore$  S is either son or daughter of P.

141. (A)  $189 + 1 = 190$   
 $972 + 2 = 974$

$\therefore$  Reqd. difference =  $9 - 4$   
 $= 5$

142. (B) 972 682 189 298 751  
 279 286 981 892 157

$\therefore$  The third highest number is 286.

143. (A) 972 682 189 298 751  
 972 862 981 982 751

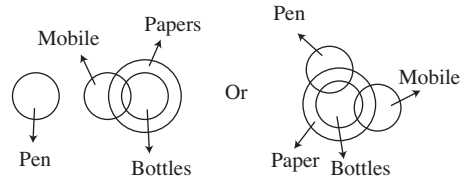
$\therefore$  Reqd. number is 972.

144. (D) 972 682 189 298 751  
 927 628 198 289 715

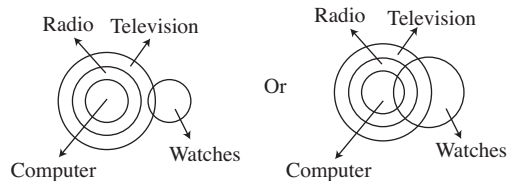
$\therefore$  Reqd. sum =  $1 + 7$   
 $= 8$

145. (C)  $189 + 1 = 190$   
 and  $751 - 1 = 750$   
 $5 - 9 = -4$

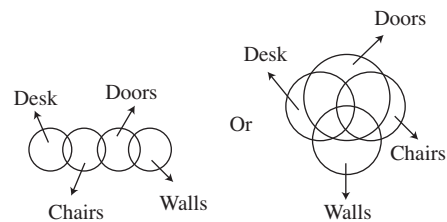
146. (D)



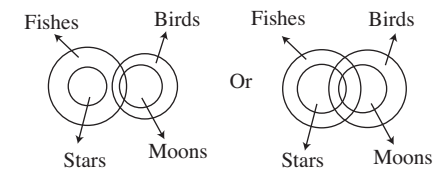
147. (B)

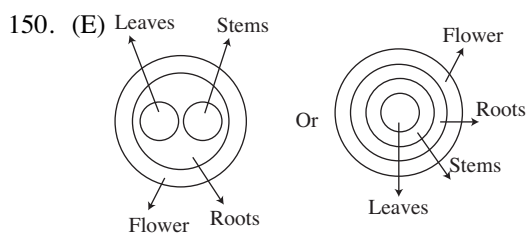


148. (A)



149. (A)





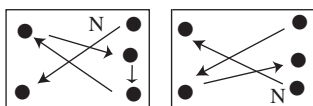
**For solution from question 151–155 :**

Members	Profession	Sex	Relation
L	Architect	Female	Wife of M
M	Businessman	Male	Father of P, son of Q, Husband of L
N	Housewife	Female	Daughter-in-law of O
O	Pilot	Female	Wife of Q
P	Journalist	Male	
Q	Doctor	Male	Grand father of P, Father of M, Husband of O
R	Advocate		

151. (C) 152. (B) 153. (A) 154. (D) 155. (E)

156. (B) In each subsequent figure, starting from the lowermost element, one element remains constant while the other three elements reverse on their respective places.

157. (E) In each subsequent figure, in the following manner the elements shift and a new element appears in place of 'N'.



From (1) to (2)      From (2) to (3)  
 From (3) to (4)      From (4) to (5)  
 From (5) to (6)

158. (C) In each subsequent figure the arcs increase by 1, 2 and 0 from top to bottom on the left-hand line, from bottom to top on the middle line and from top to bottom on the right-hand line.

159. (D) In each subsequent figure, the elements change in the following manner—

'↑' two times small and one time big.

'↶' two times big and two times small.

'□' one time big and two times small.

'∩' two times big and one time small.

So, the answer figure will be (D).

160. (A) In each subsequent figure, the designs inside and outside the periphery of hexagon shift in the following manner :

'□' shifts 3 sides, 2 sides and 1 side of the hexagon in the anticlockwise direction. Two times it remains inside & three times it comes outside the hexagon.

'•' shifts 2 sides of the hexagon in the anticlockwise direction. In alternate steps to remains inside and outside the hexagon.

'△' shifts 1 side, 2 sides & 3 sides of the hexagon in the anticlockwise direction. Two times it remains inside and three times it remains outside the hexagon.

161. (B) 162. (D) 163. (A) 164. (C) 165. (C)

166. (D) 167. (A) 168. (C) 169. (C) 170. (A)

171. (B) 172. (D) 173. (D) 174. (C) 175. (B)

176. (A) 177. (D) 178. (D) 179. (A) 180. (D)

181. (A) 182. (D) 183. (E) 184. (D) 185. (C)

186. (A) 187. (E) 188. (C) 189. (E) 190. (E)

191. (A) 192. (B) 193. (E) 194. (D) 195. (E)

196. (B) 197. (A) 198. (A) 199. (D) 200. (A)