General Awareness

1. Which of the following States will soon have its first Civil Airports ?
   - (A) Jammu & Kashmir
   - (B) Maharashtra
   - (C) Assam
   - (D) Meghalaya
   - (E) Sikkim

2. Who amongst the following made the 41st Test Century of his career recently ?
   - (A) Saurav Ganguly
   - (B) V. V. S. Laxman
   - (C) Rahul Dravid
   - (D) Sachin Tendulkar
   - (E) None of these

3. Which of the following was/were the objective(s) of the Mission Chandrayaan 1 ?
   - (a) Preparing dimensional atlas of the lunar surface.
   - (b) Chemical Mapping of the entire lunar surface.
   - (c) Locating minerals in the soil of the moon.
   - (A) Only (a)   (B) Only (b)
   - (C) Only (c)   (D) All (a), (b) & (c)
   - (E) None of these

4. Which of the following States introduced a high tech foodgrain rationing system to ensure timely supply of the foodgrains to people living below poverty line ?
   - (A) Maharashtra   (B) Tamil Nadu
   - (C) Delhi   (D) West Bengal
   - (E) Karnataka

5. Which of the following is **NOT** a part of India's Money Market ?
   - (A) Bill Markets
   - (B) Call Money Market
   - (C) Banks
   - (D) Mutual Funds
   - (E) Indian Gold Council

6. Which of the following is the objective of the project 'Bhoomi Keralam' launched by the State Govt. ?
   - (A) To conduct a survey of the land
   - (B) To bring those people back who have left the State and settled in other States
   - (C) To provide financial security to farmers who are in distress
   - (D) To identify those tribals who need jobs or financial assistance
   - (E) None of these

7. Which of the following countries adopted its new constitution recently ?
   - (A) Russia   (B) Equadore
   - (C) South Korea   (D) North Korea
   - (E) None of these

8. Which of the following awards was given to Pt. Bhimsen Joshi recently (2008) ?
   - (A) Padma Bhushan
   - (B) Sangit Natak Academy Award
   - (C) Maharashtra Bhushan
   - (D) Karnataka Ratna
   - (E) Bharat Ratna

9. Which of the following States got its first Rail link recently ?
   - (A) Haryana   (B) Arunachal Pradesh
   - (C) Sikkim   (D) Manipur
   - (E) Jammu & Kashmir

10. Barack Hussain Obama belongs to which of the following political parties ?
    - (A) Republican
    - (B) Democratic
    - (C) Labour
    - (D) American National Congress
    - (E) None of these

11. Which of the following is/are **NOT** the features of India's Foreign Trade policy (2004 to 2009)?
    (a) To double India's percentage share of global trade from present 0·7 per cent to 1·5 per cent by 2009.
    (b) Simplifying the procedures and bringing down the cost.
    (c) Make SAARC countries India's most preferred foreign trade partners by 2009.
    (A) Only (a)   (B) Only (b)
    (C) Only (c)   (D) All (a), (b) & (c)
    (E) Only (a) & (c)

12. Stephen Harper whose name was in news recently is the ……….
    (A) President of Canada
    (B) Prime Minister of Canada
    (C) President of Italy
    (D) Prime Minister of Switzerland
    (E) Foreign Minister of U.S.A.

13. Which of the following is **NOT** a fertilizer product ?
    (A) Urea
    (B) Murate of Potash
    (C) Di Amonium Phosphate
    (D) Calcium Carbonate
    (E) All are fertilizers

14. A Rs. 35,000 crore JSW Steel Plant project was inaugurated in West Bengal recently. The project is setup / developed in ……….
    (A) Singur   (B) Nandigram
    (C) Salboni   (D) Malda
    (E) Joynagar

15. Which of the following State Govts. has announced that it will provide a special package of incentives to Employment Intensive Industries ?
    (A) Punjab   (B) Karnataka
    (C) Tamil Nadu   (D) Uttar Pradesh
    (E) Bihar

16. Which of the following nations has decided to increase its co-operation in the field of energy with India ?
    (A) Russia   (B) China
    (C) Bangladesh   (D) Nepal
    (E) Japan

17. Which of the following services is **NOT** provided by the post offices in India ?
    (A) Savings Bank Scheme
    (B) Retailing of Mutual Funds
    (C) Sale of stamp Papers (Judicial)
    (D) Issuance of Demand Drafts
    (E) Life Insurance cover

18. Mohammed Anni Nasheed is the newly elected President of ……….
    (A) Fiji   (B) Maldives
    (C) Iraq   (D) Iran
    (E) None of these

19. Who amongst the following is the winner of the Nobel Prize for Literature 2008 ?
    (A) Jean Marie Gustave Le Clezio
    (B) Martti Ahtisaari
    (C) Yoichiro Nambu
    (D) Francoise Barre Sinoussi
    (E) None of these

20. A national level commission of India has asked **about** twenty States to set up which of the following commissions in their States as early as possible ?
    (A) Farmers Commission
    (B) Women Commission
    (C) Child Welfare Commission
    (D) Law Commission
    (E) None of these

21. Which of the following is/are the measure(s) taken by the Reserve Bank of India (RBI) to ease the liquidity crunch in the country ?
    (a) Cut in Cash Reserve Ratio and Statutory Liquidity Ratio.
    (b) Increase the flow of foreign direct investment.
    (c) Supply of additional currency notes in the market.
    (A) Only (a)   (B) Only (b)
    (C) Only (c)   (D) All (a), (b) & (c)
    (E) None of these

22. The third India Brazil and South Africa (IBSA) Summit took place in which of the following dies recently ?
    (A) Brazilia   (B) New Delhi
    (C) Suncity   (D) Salvador
    (E) Durban

23. Which of the following States has dcided to set up Arsenic Removal Plants in all the districts of the State to enable itself to provide arsenic free drinking water to all the people by 2010-11 ?
    (A) Karnataka (B) Kerala
    (C) West Bengal (D) Orissa
    (E) Maharashtra

24. Who amongst the following is the author of the book 'The Exile' ?
    (A) B. G. Verghese (B) Philip Roth
    (C) Aravind Adiga (D) Navtej Saran
    (E) None of these

25. Which of the following programmes is being implemented in all the districts of the country ?
    (A) Sarva Shiksha Abhiyan
    (B) Navodaya Vidhyalay
    (C) Ultra Mega Power Project
    (D) Rajiv Gandhi Grameen Vidyuthikara Yojana
    (E) None of these

26. The Govt. of India decided to provide a bonus price of Rs. 50 per quintal on which of the following products over and above its minimum support price of Rs. 850 per quintal ?
    (A) Wheat (B) Paddy
    (C) Sugarcane (D) Cotton
    (E) None of these

27. Who amongst the following is the author of the book 'The Namesake' ?
    (A) Vikram Seth (B) V. S. Naipaul
    (C) Arun Bhagat (D) Anita Desai
    (E) Jhumpa Lahiri

28. Besides USA India has signed Nuclear Agreement with which of the following countries and is named as 'Co-operation Agreement for Peaceful uses of Nuclear Energy' ?
    (A) Italy (B) Germany
    (C) France (D) Canada
    (E) Australia

29. Tzipi Livini whose name was in news recently is from which of the following countries ?
    (A) Singapore (B) South Korea
    (C) Austria (D) Israel
    (E) None of these

30. World Ozone day is observed on ……….
    (A) 16th September (B) 16th October
    (C) 16th November (D) 26th September
    (E) 26th October

31. Which of the following is **NOT** a Govt. Sponsored organization ?
    (A) Small Industries Development Bank of India
    (B) NABARD
    (C) National Housing Bank
    (D) ICICI Bank
    (E) All are Govt. sponsored

32. 'Merdeka Cup' is associated with the game of ……….
    (A) Badminton (B) Football
    (C) Hockey (D) Golf
    (E) Tennis

33. India's Space Rocket Launching Centre is in ……….
    (A) Portblair (B) Hassan
    (C) Tirupati (D) Kochi
    (E) Sri Harikota

34. The National Games scheduled in 2011 will be organized in ……….
    (A) Bengaluru (B) Goa
    (C) Kolkata (D) Kochi
    (E) Jaipur

35. Which of the followiing diseases is **not** covered under Integrated Disease Surveillance project ?
    (A) Cholera (B) Tuberculosis
    (C) AIDS (D) Polio
    (E) Cancer

36. Which of the following is **TRUE** about 'Antyodaya Anna Yojana' ?
    (a) Scheme is for Below Poverty Line families.
    (b) People are provided cooked meals under the scheme.
    (c) All beneficiaries of National Rural Employment Guarantee Act are covered in this scheme.

(A) Only (a)   (B) Only (b)
(C) Only (c)   (D) All (a), (b) & (c)
(E) None of these

37. Jelena Jankovic of Serbia won which of the following titles of tennis after defeating Svetlana Kuznetsova ?
(A) China Open
(B) Japan Open
(C) New Zealand Open
(D) Australian Open
(E) None of these

38. Who amongst the following is the Minister of Home Affairs in Union Cabinet of India at present ?
(A) Shivraj Patil
(B) Lalu Prasad Yadav
(C) P. Chidambaram
(D) Sharad Pawar
(E) None of these

39. Banks are required to pay how much percentage of their net bank credit to Priority Sector is advance ?
(A) 5%   (B) 7%
(C) 10%   (D) 15%
(E) None of these

40. Dronacharya Award is given for excellence in ……….
(A) Literacy Work
(B) Social Service
(C) Coaching in Sports
(D) Journalism
(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.

Keshava, the washerman had a donkey. They worked together all day, and Keshava would pour out his heart to the doneky. One day, Keshava was walking home with the donkey when he felt tired. He tied the donkey to a tree and sat down to rest for a while, near a school. A window was open, and through it, a teacher could be heard scolding the students. 'Here I am, trying to turn you donkeys into human beings, but you just won't study !' As soon as Keshava heard these words, his ears pricked up. A man who could actually turn donkeys into humans ! This was the answer to his prayers. Impatiently, he waited for school to be over that day. when everyone had gone home, and only the teacher **remained** behind to check some papers, Keshava entered the classroom.

'How can I help you ?' asked the teacher. Keshava scratched his head and said, 'I heard what you said to the children. This donkey is my companion. If you made it human, we could have such good times together.' The teacher decided to **trick** Keshava. He pretended to think for a while and then said, 'Give me six months and it will cost you a thousand rupees.' The washerman agreed and rushed home to get the money. He then left the donkey in the teacher's care.

After the six months were up, Keshava went to the teacher. The teacher had been using the donkey for his own work. Not wanting to give it up, he said, 'Oh, your donkey became so clever that it ran away. He is the headman of the next village.' When Keshava reached the next village he found the village elders sitting under a tree, discussing serious problems. How surprised they were when Keshava marched up to the headman, grabbed his arm and said, 'How dare you ? You think you are so clever that you ran away ? Come home at once !'

The headman understood someone had played a trick on Keshava. 'I am not your donkey !' he said. 'Go find the sage in the forest.' Keshava found the sage sitting under a tree with his eyes closed, **deep** in meditation. He crept up and grabbed the sage's beard. 'Come back home now !' he shouted. The startled sage somehow calmed Keshava. When he heard what had happened, he had a good laugh. Then he told the washerman kindly, 'The teacher made a fool of you. Your donkey must be still with him. Go and take it back from him. Try to make some **real** friends, who will talk with you and share your troubles. A donkey will never be able to do that !' Keshava returned home later that day with his donkey, sadder and wiser.

41. Which of the following can be said about the teacher ?
   (A) He had the ability to transform animals into human beings
   (B) He took advantage of Keshava's simple nature
   (C) He had plotted with the village headman to cheat Keshava
   (D) He enjoyed teaching children though he was poorly paid
   (E) He was honest and used Keshava's money to care for the donkey

42. Why did Keshava talk to his donkey while working ?
   (A) He wanted to practise his communication skills because he wanted to make friends
   (B) To entertain himself because he found his work monotonous
   (C) The donkey helped him to find answers to his problems
   (D) He regarded the doneky as his friend and confided in him
   (E) He believed the donkey to be a human being in disguise

43. How did Keshava get his donkey back ?
   (A) He threatened to take the teacher to the village elders
   (B) The sage forced the teacher to release the donkey
   (C) He asked the village headman for help
   (D) The teacher returned it on learning that Keshava had learnt his lesson
   (E) None of these

44. Which of the following is **NOT** true in the context of the passage?
   (a) The donkey was over burdened by the teacher.
   (b) The teacher was cunning by nature.
   (c) The sage laughed at Keshava and treated him unkindly.
   (A) Both (a) & (c)   (B) Both (b) & (c)
   (C) Only (b)   (D) All (a), (b) & (c)
   (E) None of these

45. Why was Keshava keen to meet the teacher one day ?
   (A) Keshava wanted to ask the teacher how to make his donkey a better companion

   (B) He wanted to learn more prayers as he was devout
   (C) He had been reliably informed that the teacher had changed donkeys into human beings
   (D) He heeded the teacher's words of advice and wanted to study
   (E) None of these

46. Why did Keshava interrupt the discussion among the village elders ?
   (A) He did not agree with their views on different issues
   (B) To confront the headman who had cheated him out of one thousand rupees
   (C) He wanted them to get justice for him
   (D) He was looking for the donkey and wanted to ask for directions
   (E) None of these

47. What made Keshava pull the sage's beard ?
   (A) He wanted to wake up the sage who was a sleep under the tree
   (B) The headman requested him to move the sage from under the tree
   (C) He wanted the sage to explain what had happened to the donkey
   (D) He misunderstood the village headman and took the sage to be his donkey
   (E) None of these

48. Why did the teacher ask Keshava to leave the donkey with him for six months ?
   (a) He realised that the donkey would require a lot of training.
   (b) To reduce Keshava's dependence on the donkey.
   (c) He wanted to rescue the donkey from Keshava who did not know to treat the donkey properly.
   (A) None   (B) Only (b)
   (C) Both (a) & (b) (D) Only (c)
   (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. **trick**
   (A) joke   (B) skill
   (C) mislead   (D) technique
   (E) lunny

50. **remained**
    (A) pending   (B) waited
    (C) lasted   (D) survived
    (E) continued

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. **real**
    (A) false   (B) imitated
    (C) dishonest   (D) imagine
    (E) genuine

52. **deep**
    (A) low   (B) distracted
    (C) flat   (D) awake
    (E) sleep

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. The company has set up a foundation which helps students who do not have the necessary funds **to study ahead**.
    (A) further to study   (B) of studying more
    (C) to study onward   (D) for higher studies
    (E) No Correction Required

54. If this land is used to cultivate crops it will be **additionally source** of income for the villagers.
    (A) a source of additional
    (B) an additionally source
    (C) an additional source
    (D) additionally the source
    (E) No Correction Required

55. **Belonged to** this cadre, you are eligible for facilities such as free air travel and accommodation.
    (A) since you belong to
    (B) whoever belongs
    (C) for belonging to
    (D) to belong in
    (E) No Correction Required

56. The bank has hired a consultant who **will look into** any issues which arise during the merger.
    (A) is looking over
    (B) will be looked after
    (C) will look out
    (D) looks down on
    (E) No Correction Required

57. I had severe doubts about **if I successfully** run a company, but my father encouraged me.
    (A) if I am successful in
    (B) how should I successfully
    (C) whether I could successfully
    (D) that I would succeed to
    (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 that word 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. RBI has **attempted** to **spend financial**
                    (A)   (B)
    awareness through this programme.
       (C)   (D)
                                          All Correct
                                             (E)

59. In order to **succeed** it is **crucial** for an orga-
                    (A)   (B)
    nisation to **constantly improve**. All Correct
                    (C)   (D)   (E)

50. With some **assistance** from her son she was
                    (A)
    enable to **settle** her **debts** on time.
       (B)   (C)   (D)   All Correct
                                             (E)

61. Though the government **initiated** a large **sum**
                                 (A)   (B)
    of money in the **scheme** it was a **failure**.
                         (C)   (D)
                                          All Correct
                                             (E)

62. We have prepared a **detailed** report giving
                              (A)
    various solutions to **resort** the problem.
        (B)   (C)   (D)
                                          All Correct
                                             (E)

Directions—(Q. 63–67) Rearrange the following **six** sentences (a), (b), (c), (d), (e) and (f) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(a) I was pleased by their reaction.

(b) Writing my speech was easy, but I was unsure if I could motivate the employees to donate to those affected by the earthquake.

(c) Instead of throwing out their unusable articles, they had transferred them to my office in the name of donations.

(d) When a reputed company invited me to deliver a lecture on Corporate Social Responsibility, I agreed.

(e) It was an affluent company and the well dressed employees who met me afterwards promised to send lots of donations to my office.

(f) What I saw however when I opened the bags of 'donations' they had sent shocked me.

63. Which of the following should be the **SECOND** sentence after rearrangement ?
   (A) (b)　　　　(B) (c)
   (C) (d)　　　　(D) (e)
   (E) (f)

64. Which of the following should be the **THIRD** sentence after rearrangement ?
   (A) (a)　　　　(B) (b)
   (C) (c)　　　　(D) (d)
   (E) (e)

65. Which of the following should be the **FOURTH** sentence after rearrangement ?
   (A) (a)　　　　(B) (b)
   (C) (c)　　　　(D) (d)
   (E) (e)

66. Which of the following should be the **LAST (SIXTH)** sentence after rearrangement ?
   (A) (b)　　　　(B) (c)
   (C) (d)　　　　(D) (e)
   (E) (f)

67. Which of the following should be the **FIRST** sentence after rearrangement ?
   (A) (a)　　　　(B) (b)
   (C) (c)　　　　(D) (d)
   (E) (e)

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. He has travelled / all over the world / yet he
　　　(A)　　　　　(B)　　　　　(C)
   speaks / several languages fluently. No error
　　(D)　　　　　　　　　　　　(E)

69. A successful company is / any that makes a
　　　　(A)　　　　　　　　(B)
   good / profit and provides / high returns to its
　　(C)　　　　　　　(D)
   shareholders.　　　　　　　No error
　　　　　　　　　　　　　　(E)

70. The agreement on / which all of us have /
　　　　(A)　　　　　　(B)
   worked so hard will / be sign tomorrow.
　　　(C)　　　　　　(D)
   　　　　　　　　　　No error
   　　　　　　　　　　(E)

71. It is necessarily to maintain / a record of all
　　　　　(A)　　　　　　　(B)
   transactions / in case the auditors / want to see
　　　　　　　(C)　　　　　(D)
   it.　　　　　　No error
   　　　　　　　(E)

72. Very few young trainees / willingly undertake /
　　　　　(A)　　　　　　　(B)
   a posting to a branch / located in a rural area.
　　　　(C)　　　　　　(D)
   　　　　　　　　　　No error
   　　　　　　　　　　(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.

　　Today, twenty-two years after the bank …**(73)**…, it has over a thousand branches all over the country and the staff …**(74)**… about twenty-three lakh borrowers. We decided to operate …**(75)**… from conventional banks who would ask their clients to come to their office. Many people in rural areas found this …**(76)**…. Our bank is therefore based on the …**(77)**… that people

should not come to the bank but that the bank should go to the people. Our loans are also …**(78)**… we give them for activities from candle making to tyre repair. We also keep …**(79)**… checks on the borrower through weekly visits. We do this to make certain that the family of the borrower is …**(80)**… from the loan.

73. (A) origin   (B) commence
    (C) existed   (D) began
    (E) inaugurated

74. (A) assemble   (B) cope
    (C) interact   (D) deal
    (E) handle

75. (A) differently   (B) similar
    (C) reverse   (D) opposite
    (E) identically

76. (A) worried   (B) upset
    (C) panicking   (D) anxious
    (E) threatening

77. (A) principle   (B) discipline
    (C) opportunity   (D) chance
    (E) advantage

78. (A) worth   (B) vary
    (C) disburse   (D) contrast
    (E) diver

79. (A) consistently   (B) regular
    (C) often   (D) frequently
    (E) daily

80. (A) benefiting   (B) serving
    (C) welfare   (D) obliged
    (E) progress

Quantitative Aptitude

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

81. $196 \times 948 \div 158 = ?$
    (A) 1156   (B) 1200
    (C) 1188   (D) 1176
    (E) None of these

82. $(91)^2 + (41)^2 - \sqrt{?} = 9858$
    (A) 11236   (B) 10816
    (C) 10404   (D) 9604
    (E) None of these

83. $(786 \times 64) \div 48 = ?$
    (A) 1050   (B) 1024
    (C) 1048   (D) 1036
    (E) None of these

84. $3 \cdot 5 + 11 \cdot 25 \times 4 \cdot 5 - 32 \cdot 5 = ?$
    (A) 18·275   (B) 21·625
    (C) 32·375   (D) 25·45
    (E) None of these

85. $\dfrac{\sqrt{4096} \times 56}{764 - 652} = ?$
    (A) 36   (B) 48
    (C) 32   (D) 44
    (E) None of these

86. $(2640 \div 48) \times (2240 \div 35) = ?$
    (A) 3520
    (B) 3515
    (C) 3495
    (D) 3490
    (E) None of these

87. $7414 + 3698 + 1257 + 1869 = ?$
    (A) 14328   (B) 14438
    (C) 13428   (D) 13248
    (E) None of these

88. 60% of 20% of $\frac{3}{5}$th of ? = 450
    (A) 6200   (B) 6240
    (C) 6150   (D) 6275
    (E) None of these

89. $\sqrt[3]{13824} \times \sqrt{?} = 864$
    (A) 1296   (B) 1156
    (C) 1600   (D) 1024
    (E) None of these

90. $(98360 + 25845 - 36540) \div 2500 = ?$
    (A) 36·585   (B) 30·082
    (C) 32·085   (D) 35·066
    (E) None of these

Directions—(Q. 91–95) What should come in place of the question mark (?) in the following number series ?

91. 1, 9, 25, 49, ?, 169
    (A) 100   (B) 64
    (C) 81   (D) 121
    (E) None of these

92. 3, 23, 43, ?, 83, 103
    (A) 33   (B) 53
    (C) 63   (D) 73
    (E) None of these

93. 748, 737, 715, 682, 638, ?
    (A) 594   (B) 572
    (C) 581   (D) 563
    (E) None of these

94. 121, 117, 108, 92, 67, ?
    (A) 31   (B) 29
    (C) 41   (D) 37
    (E) None of these

95. 50, 26, 14, ?, 5, 3·5
    (A) 6   (B) 8
    (C) 10   (D) 12
    (E) None of these

96. The ratio of ducks and frogs in a pond is 37 : 39 respectively. The average number of ducks and frogs in the pond is 152. What is the number of frogs in the pond ?
    (A) 148   (B) 152
    (C) 156   (D) 144
    (E) None of these

97. The number of employees in Companies A, B and C are in a rtio of 4 : 5 : 6 respectively. If the number of employees in the three Companies is increased by 25%, 30% and 50% respectively, what will be the new ratio of employees working in Companies A, B and C respectively ?
    (A) 13 : 10 : 18
    (B) 10 : 13 : 17
    (C) 13 : 15 : 18
    (D) Cannot be determined
    (E) None of these

98. The average of five positive numbers is 213. The average of the first two numbers is 233·5 and the average of last two numbers is 271. What is the third number ?
    (A) 64
    (B) 56
    (C) 106
    (D) Cannot be determined
    (E) None of these

99. Sonali invests 15% of her monthly salary in insurance policies. She spends 55% of her monthly salary in shopping and on household expenses. She saves the remaining amount of Rs. 12,750. What is Sonali's monthly income ?
    (A) Rs. 42,500   (B) Rs. 38,800
    (C) Rs. 40,000   (D) Rs. 35,500
    (E) None of these

100. In how many different ways can the letters of the word 'ARISE' be arranged ?
    (A) 90   (B) 60
    (C) 180   (D) 120
    (E) None of these

Directions—(Q. 101–105) 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	44	250	35	280	35	200	40	180	40	220
2003	45	260	30	270	40	250	60	170	65	240
2004	35	240	45	300	45	260	70	200	50	250
2005	40	250	55	320	55	280	60	210	45	220
2006	50	220	50	300	55	240	65	220	50	240
2007	60	240	60	340	60	250	40	230	40	260

101. What is the average number of men living in all the societies together in the year 2005 ?
  (A) 110
  (B) 125
  (C) 115
  (D) 120
  (E) None of these

102. What is the respective ratio of the number of women to the total residents in Society E over the years ?
  (A) 69 : 143
  (B) 344 : 715
  (C) 173 : 358
  (D) 346 : 717
  (E) None of these

103. What is the average number of women living in all the societies together in the year 2005 ?
  (A) 130
  (B) 131
  (C) 125
  (D) 140
  (E) None of these

104. What is the difference between the total residents living in all the societies together in the year 2006 and the total residents living in all the societies together in the year 2007 ?
  (A) 100
  (B) 85
  (C) 70
  (D) 50
  (E) None of these

105. What is the respective ratio of men living in Society C in the year 2002 to the year 2003 ?
  (A) 15 : 13
  (B) 11 : 15
  (C) 15 : 11
  (D) 13 : 15
  (E) None of these

106. What **approximate** amount of compound interest can be obtaied on an amount of Rs. 9650 at the rate of 6 p.c.p.a. at the end of 3 years ?
  (A) Rs. 1737
  (B) Rs. 1920
  (C) Rs. 1720
  (D) Rs. 1860
  (E) Rs. 1843

107. A milkman sells 120 litres of milk for Rs. 3360 and he sells 240 litres of milk for Rs. 6120. How much concession does the trader give per litre of milk, when he sells 240 litres of milk ?
  (A) Rs. 2
  (B) Rs. 3·5
  (C) Rs. 2·5
  (D) Rs. 1·5
  (E) None of these

108. When 3626 is divided by the square of a number and the answer so obtained is multiplied by 32, the final answer obtained is 2368. What is the number ?
  (A) 7
  (B) 36
  (C) 49
  (D) 6
  (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 2. What is the product of the two digits of the two digit number ?
  (A) 56
  (B) 48
  (C) 45
  (D) Cannot be determined
  (E) None of these

110. A car runs at the speed of 50 kms per hour when not serviced and runs at 60 kms/hr. when serviced. After servicing the car covers a certain distance in 6 hours. How much time will the car take to cover the same distance when not serviced ?
  (A) 8·2 hours
  (B) 6·5 hours
  (C) 8 hours
  (D) 7·2 hours
  (E) None of these

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

Number of Students from Various Faculties Studying in Varius Colleges
(Number in Thousands)

111. The students from the faculty of Commerce studying in college B are **approximately** what per cent of the total number of students studying in the same college ?
  (A) 30
  (B) 35

(C) 43

(D) 48

(E) 53

112. What is the average number of students from the faculty of Arts from all the colleges together ?

(A) 26250   (B) 27250

(C) 27000   (D) 26500

(E) None of these

113. What is the average number of students studying in college A from all the faculties together ?

(A) 26000   (B) 28500

(C) 26500   (D) 27000

(E) None of these

114. What is the difference between the total number of students from the faculty of Commerce from all the colleges together and the total number of students from the faculty of Science from all the colleges together ?

(A) 20000   (B) 10000

(C) 25000   (D) 15000

(E) None of these

115. What is the respective ratio of the number of students from the faculty of Arts studying in college C to the number of students from the faculty of Arts studying in college D ?

(A) 13 : 9

(B) 13 : 10

(C) 9 : 13

(D) 10 : 13

(E) None of these

Directions—(Q. 116–120) 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. $(4863 + 1174 + 2829) \div 756 = ?$

(A) 18   (B) 16

(C) 12   (D) 9

(E) 22

117. $\sqrt{964} \times \sqrt{348} = ?$

(A) 575   (B) 570

(C) 586   (D) 550

(E) 579

118. $37 \cdot 35 + 13 \cdot 064 \times 3 \cdot 46 = ?$

(A) 89   (B) 83

(C) 76   (D) 79

(E) 85

119. $[(1 \cdot 5)^2 \times (3 \cdot 2)^2] \div 2 \cdot 3 = ?$

(A) 6   (B) 4

(C) 12   (D) 10

(E) 16

120. $54 \times 746 \div 32 = ?$

(A) 1259   (B) 1268

(C) 1196   (D) 1248

(E) 1236

Reasoning Test

121. If it is possible to make only one meaningful word with the Third, Seventh, Eighth and Tenth letters of the word COMPATIBILITY, which of the following would be the last 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) I

(B) B

(C) L

(D) X

(E) Y

122. 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) Stem   (B) Tree

(C) Root   (D) Branch

(E) Leaf

123. How many meaningful three letter English words can be formed with the letters AER, using each letter only once in each word ?

(A) None   (B) One

(C) Two   (D) Three

(E) Four

124. In a certain code FINE is written HGPC. How is SLIT written in that code ?
 (A) UTGR (B) UTKR
 (C) TUGR (D) RUGT
 (E) None of these

125. If 'Apple' is called 'Orange', 'Orange' is called 'Peach', 'Peach' is called 'Potato', 'Potato' is called 'Banana', 'Banana' is called 'Papaya' and 'Papaya' is called 'Guava', which of the following grows underground ?
 (A) Potato
 (B) Guava
 (C) Apple
 (D) Banana
 (E) None of these

126. If the digits in the number 86435192 are arranged in ascending order, what will be the difference between the digits which are second from the right and fourth from the left in the new arrangement ?
 (A) One (B) Two
 (C) Three (D) Four
 (E) None

127. Each vowel of the word ADJECTIVE 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

128. If in a certain language LATE is coded as 8&4$ and HIRE is coded as 7★3$ then how will HAIL be coded in the same language ?
 (A) 7&8★ (B) &7★8
 (C) 7★&8 (D) 7&★8
 (E) None of these

129. How many such pairs of letters are there in word ENGLISH, 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

130. In a certain code 'na pa ka so' means 'birds fly very high', 'ri so la pa' means 'birds are very beautiful' and 'ti me ka bo' means 'the parrots could fly'. Which of the following is the code for 'high' in that language ?
 (A) na (B) ka
 (C) bo (D) so
 (E) None of these

Directions—(Q. 131–135) 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 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.

131. **Statements :** All stars are suns.
 Some suns are planets.
 All planets are satellites.
 Conclusions :
 I. Some satellites are stars.
 II. No star is a satellite.

132. **Statements :** All fishes are birds.
 All birds are rats.
 All rats are cows.
 Conclusions :
 I. All birds are cows
 II. All rats are fishes

133. **Statements :** All curtains are rods.
 Some rods are sheets.
 Some sheets are pillows.
 Conclusions :
 I. Some pillows are rods.
 II. Some rods are curtains.

134. **Statements :** Some walls are windows.
Some windows are doors.
All doors are roofs.
Conclusions :
I. Some doors are walls.
II. No roof is a window.

135. **Statements :** All switches are plugs.
Some plugs are bulbs.
All bulbs are sockets.
Conclusions :
I. Some sockets are plugs.
II. Some plugs are switches.

Directions—(Q. 136–140) Study the sets of numbers given below and answer the questions, which follow :

489   541   654   953   983

136. If in each number, the first and the last digits are interchanged, which of the following will be the second highest number ?
(A) 489 (B) 541
(C) 654 (D) 953
(E) 783

137. If in each number, all the three digits are arranged in ascending order, which of the following will be the lowest number ?
(A) 489 (B) 541
(C) 654 (D) 953
(E) 783

138. Which of the following numbers will be obtained if the first digit of lowest number is subtracted from the second digit of highest number after adding one to each of the numbers ?
(A) 1 (B) 2
(C) 3 (D) 4
(E) 5

139. If five is subtracted from each of the numbers, which of the following numbers will be the difference between the second digit of second highest number and the second digit of the highest number ?
(A) Zero (B) 3
(C) 1 (D) 4
(E) 2

140. If in each number the first and the second digits are interchanged, which will be the third highest number ?
(A) 489 (B) 541
(C) 654 (D) 953
(E) 783

Directions—(Q. 141–145) Read the following information carefully and answer the questions, which follow :
‘A – B’ means ‘A is father of B’
‘A + B’ means ‘A is daughter of B’
‘A ÷ B’ means ‘A is son of B’
‘A × B’ means ‘A is wife of B’

141. Which of the following means P is grandson of S ?
(A) P + Q – S
(B) P ÷ Q × S
(C) P ÷ Q + S
(D) P × Q ÷ S
(E) None of these

142. How is P related to T in the expression ‘P + S – T’ ?
(A) Sister (B) Wife
(C) Son (D) Daughter
(E) None of these

143. In the expression ‘P + Q × T’ how is T related to P ?
(A) Mother (B) Father
(C) Son (D) Brother
(E) None of these

144. Which of the following means T is wife of P ?
(A) P × S ÷ T
(B) P ÷ S × T
(C) P – S ÷ T
(D) P + T ÷ S
(E) None of these

145. In the expression ‘P × Q – T’ how is T related to P ?
(A) Daughter
(B) Sister
(C) Mother
(D) Can't be determined
(E) None of these

Directions—(Q. 146–150) In each of these questions a group of letters is given followed by four combinations of number/symbol **lettered** (A), (B), (C) & (D). Letters are to be coded as per the scheme and conditions given below. You have to find out the serial letter of the combination, which represents the letter group. Serial letter of that combination is your answer. If none of the combinations is correct, your answer is (E) *i.e*. None of these :

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

Conditions :

(i) If the first letter is a consonant and the last a vowel, both are to be coded as the code of the vowel.

(ii) If the first letter is a vowel and the last a consonant, the codes for the first and the last are to be interchanged.

(iii) If no vowel is present in the group of letters, the second and the fifth letters are to be coded as ©.

146. BKGQJN
(A) 9©$7©%
(B) ©9$7%©
(C) 91$78%
(D) %1$789
(E) None of these

147. IJBRLG
(A) #89★£$
(B) #89★£#
(C) $89★£#
(D) $89★£$
(E) None of these

148. BARNIS
(A) 92★#%4
(B) 924#★%
(C) 92★#%9
(D) 42★#%4
(E) None of these

149. EGAKRL
(A) #£$21★
(B) £$21★3
(C) £$21★#
(D) #£$21#
(E) None of these

150. DMBNIA
(A) 6@9%#2
(B) 2@9%#6
(C) 2@9%#2
(D) 2©9%#2
(E) None of these

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

Eight persons A, B, C, D, E, F, G and H work for three different companies namely X, Y and Z. Not more than three persons work for a company. There are only two ladies in the group who have different specializations and work for different companies. Of the group of friends, two have specialization in each HR, Finance and Marketing. One member is an engineer and one is a doctor. H is an HR specialist and works with a Marketing specialist B who does not work for company Y. C is an engineer and his sister works in company Z. D is a specialist in HR working in company X while her friend G is a finance specialist and works for company Z. No two persons having the same specialization work together. Marketing specialist F works for company Y and his friend A who is a Finance expert works for company X in which only two specialists work. No lady is a marketing specialist or a doctor.

151. For which of the following companies does C work ?
(A) Y
(B) X
(C) Z
(D) Data inadequate
(E) None of these

152. Which of the following represents the pair working in the same company ?
(A) D and C
(B) A and B
(C) A and E
(D) H and F
(E) None of these

153. Which of the following combination is correct ?
(A) C–Z-Engineer
(B) E–X–Doctor
(C) H–X–HR
(D) C–Y–Engineer
(E) None of these

154. Who amongst the friends is a doctor ?
(A) H
(B) E
(C) C
(D) Either E or C
(E) None of these

155. Which of the following pairs represents the two ladies in the group ?
(A) A and D
(B) B and D
(C) D and G
(D) Data inadequate
(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**

156.

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

157.

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

158.

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

159.

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

160.

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

Marketing Aptitude/Computer Knowledge

161. A keyboard is this kind of device—
   (A) black   (B) input
   (C) output   (D) word processing
   (E) None of these

162. IT stands for—
   (A) Information Technology
   (B) Integrated Technology
   (C) Intelligent Technology
   (D) Interesting Technology
   (E) None of these

163. Which of the following refers to the fastest, biggest and most expensive computers ?
   (A) Personal Computers
   (B) Supercomputers
   (C) Laptops
   (D) Notebooks
   (E) None of these

164. A collection of related information sorted and dealt with as a unit is a—
   (A) disk   (B) data
   (C) file   (D) floppy
   (E) None of these

165. The process of a computer receiving information from a server on the Internet is known as—
   (A) pulling   (B) pushing
   (C) downloading   (D) transferring
   (E) None of these

166. Which part of the computer helps to store information ?
    (A) Disk drive   (B) Keyboard
    (C) Monitor   (D) Printer
    (E) None of these

167. ………………is the process of carrying out commands.
    (A) Fetching   (B) Storing
    (C) Executing   (D) Decoding
    (E) None of these

168. The role of a………generally is to determine a buyer's needs and match it to the correct hardware and software.
    (A) computer scientist
    (B) computer sales representative
    (C) computer consultant
    (D) corporate trainer
    (E) None of these

169. Which of the following groups consist of only output devices ?
    (A) Scanner, Printer, Monitor
    (B) Keyboard, Printer, Monitor
    (C) Mouse, Printer, Monitor
    (D) Plotter, Printer, Monitor
    (E) None of these

170. The rectangular area of the screen that displays a program, data, and/or information is a—
    (A) title bar   (B) button
    (C) dialog box   (D) window
    (E) None of these

171. A(n)………contains commands that can be selected.
    (A) pointer   (B) menu
    (C) icon   (D) button
    (E) None of these

172. An error is also known as—
    (A) bug   (B) debug
    (C) cursor   (D) icon
    (E) None of these

173. Arithmetic Operations—
    (A) involve matching one data item to another to determine if the first item is

greater than, equal to, or less than the other item
    (B) sort data items according to standard, predefined criteria in ascending order or descending order
    (C) use conditions with operators such as AND, OR and NOT
    (D) include addition, subtraction, multi-plication and division
    (E) None of these

174. Sending an e-mail is similar to—
    (A) picturing an event
    (B) narrating a story
    (C) writing a letter
    (D) creating a drawing
    (E) None of these

175. Promotion in Marketing means—
    (A) passing an examination
    (B) elevation from one grade to another
    (C) selling the products through various means
    (D) selling the product in specific areas
    (E) None of these

176. Microsoft Word is an example of—
    (A) an operating system
    (B) a processing device
    (C) application software
    (D) an input device
    (E) None of these

177. Sources of Sales Leads are—
    (A) Data Mining
    (B) Market Research
    (C) Media Outlets
    (D) Promotional Programs
    (E) All of these

178. Any data or instruction entered into the memory of a computer is considered as—
    (A) storage   (B) output
    (C) input   (D) information
    (E) None of these

179. Which part of the computer displays the work done ?
    (A) RAM   (B) printer
    (C) monitor   (D) ROM
    (E) None of these

180. One of the methods for Market Monitoring is—
    (A) to watch TV serials
    (B) to discuss with other sales persons
    (C) to monitor media outlets
    (D) All of these
    (E) None of these

181. Market Expansion means—
    (A) hiring more staff
    (B) firing more staff
    (C) buying more products
    (D) buying more companies
    (E) None of these

182. A series of instructions that tells a computer what to do and how to do it is called a—
    (A) program   (B) command
    (C) user response   (D) processor
    (E) None of these

183. Effective marketing helps in—
    (A) developing new products
    (B) creating a competitive environment
    (C) building demand for products
    (D) All of these
    (E) None of these

184. Which is the part of a computer that one can touch and feel ?
    (A) Hardware   (B) Software
    (C) Programs   (D) Output
    (E) None of these

185. A Call in Marketing means—
    (A) to phone the customers
    (B) to visit the customers
    (C) to visit the marketing site
    (D) to call on prospective customers
    (E) None of these

186. Delivery Channel means—
    (A) maternity wards
    (B) handing over the products to the buyers
    (C) places where products are made available to the buyers
    (D) All of these
    (E) None of these

187. Processing involves—
    (A) inputting data into a computer system
    (B) transforming input into output
    (C) displaying output in a useful manner
    (D) providing relevant answers
    (E) None of these

188. One of the following is a target group for the marketing of Internet Banking.
    (A) All the customers
    (B) All the educated customers
    (C) All the computer educated customers
    (D) Only creditors
    (E) All of these

189. Innovation mean—
    (A) Product Designing
    (B) New ideas
    (C) Impulse
    (D) Both (A) and (B)
    (E) None of these

190. One of the following is a target group for the marketing of educational loan.
    (A) All the customers
    (B) Students
    (C) Only poor students
    (D) Students having promising educational track record
    (E) All of these

191. Service after sale is not the function of—
    (A) Marketing staff
    (B) Seller
    (C) Director of the company
    (D) Employees of the company
    (E) All of the above are wrong

192. If done through………the rural marketing would be more effective.
    (A) fairs
    (B) village fairs
    (C) door to door campaign
    (D) All of these
    (E) None of these

193. Market Survey means—
    (A) Market Research
    (B) Market Planning

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(C) Marketing Strategies

(D) Market Monitering

(E) All of these

194. ………can be done through digital Banking ?

(A) Mobile phone

(B) Internet

(C) Telephone

(D) All of these

(E) None of these

195. A good seller should have the following quality/qualities ?

(A) Devotion to the work

(B) Submissive

(C) Sympathy

(D) All of these

(E) None of these

196. The rural marketing is not required because—

(A) rural people do not understand marketing

(B) its not practical from the cost point of view

(C) it is sheer wastage of time

(D) All are wrong

(E) All are correct

197. Planned-cost service means—

(A) Costly products

(B) Extra profit on the same cost

(C) Extra work by seller

(D) All of these

(E) None of these

198. Internet marketing means—

(A) Self-marketing

(B) Core Groups monitering

(C) Employees marketing

(D) All of these

(E) None of these

199. The aim of successful marketing is—

(A) to increase the sale

(B) to increase the profit

(C) to increase the output of sellers

(D) All of these

(E) None of these

200. The networking becomes……through networking.

(A) very difficult

(B) dull

(C) easy

(D) has no role in marketing

(E) None of these

Answers with Explanations

1. (E)   2. (D)   3. (D)   4. (E)   5. (E)

6. (A)   7. (B)   8. (E)

9. (E) Jammu & Kashmir got its first Rail link in October 2008.

10. (B)   11. (C)

12. (B) Stephen Joseph Harper is the 22nd and current Prime Minister of Canada, and leader of the Conservative Party.

13. (E)   14. (C)   15. (C)   16. (A)   17. (D)

18. (B)   19. (A)

20. (D) Chairman of Law Commission of India, Justice A. R. Lakshmanan has asked Chief Ministers of twenty states to set up State Law Commission to review outdated laws and to update the Legal System.

21. (A)   22. (B)   23. (C)   24. (D)   25. (A)

26. (B)   27. (E)   28. (C)

29. (D) Tzipi Livini is an Israeli politician and current leader of Kadima, the largest party in the Knesset. She currently serves as the country's Minister of Foreign Affairs.

30. (A)   31. (D)   32. (B)   33. (E)   34. (B)

35. (E)   36. (E)   37. (A)   38. (C)   39. (C)

40. (C)   41. (B)   42. (E)   43. (E)   44. (A)

45. (A)   46. (E)   47. (D)   48. (A)   49. (C)

50. (D)   51. (A)   52. (B)   53. (D)   54. (C)

55. (A)   56. (E)   57. (C)

58. (B) Change 'spend' to 'Awaken'.

59. (E)

60. (B) Change 'Enable' to 'Able'

61. (A) Change 'initiated' to 'spent'

62. (D) Change 'resort' to 'resolve'

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

68. (C) Change 'yet' to 'and'

69. (B) Change 'any' to 'one'

70. (D) Change 'sign' to 'signed'

71. (A) Change 'necessarily' to 'necessary'

72. (E)   73. (E)   74. (E)   75. (A)   76. (D)

77. (A)   78. (B)   79. (B)   80. (A)

81. (D)   ? = 196 × 948 ÷ 158

$$= \frac{185808}{158}$$

$$= 1176$$

82. (B) ∵ $(91)^2 + (41)^2 - \sqrt{?} = 9858$

⇒ $8281 + 1681 - \sqrt{?} = 9858$

⇒ $\sqrt{?} = 8281$

$$+ 1681 - 9858$$

$$= 9962 - 9858$$

$$= 104$$

∴   ? = 10816

83. (C)   ? = $\frac{(786 × 64)}{48}$

$$= 1048$$

84. (B)   ? = 3·5 + 11·25 × 4·5 – 32·5

$$= 3·5 + 50·625 - 32·5$$

$$= 21·625$$

85. (C)   ? = $\frac{\sqrt{4096} × 56}{764 - 652}$

$$= \frac{64 × 56}{764 - 652}$$

$$= \frac{3584}{112}$$

$$= 32$$

86. (A)   ? = (2640 ÷ 48) × (2240 ÷ 35)

$$= 55 × 64$$

$$= 3520$$

87. (E)   ? = 7414 + 3968 + 1257 + 1869

$$= 14508$$

88. (E) ∵ $\frac{60}{100}$ of $\frac{20}{100}$ of $\frac{3}{5}$ of ?

$$= 450$$

∴ $? = \frac{450 × 100 × 100 × 5}{3 × 20 × 60}$

$$= 6250$$

89. (A) ∵ $\sqrt[3]{13824} × \sqrt{?} = 864$

⇒ $24 × \sqrt{?} = 864$

⇒ $\sqrt{?} = \frac{864}{24}$

$$= 36$$

∴   ? = 1296

90. (D)   ? = (98360 + 25845 – 36540) ÷ 2500

$$= \frac{87665}{2500}$$

$$= 35·066$$

91. (D)

```
                      ?
   1     9     25    49   121    169
   ↓     ↓     ↓     ↓    ↓      ↓
  (1)²  (3)²  (5)²  (7)² (11)²  (13)²
```

(all the prime numbers)

92. (C)

```
                   ?
   3    23    43    63    83    103
   └─┘  └─┘   └─┘  └─┘   └─┘
  +20   +20   +20   +20   +20
```

93. (E)

```
   748  737  715  682   638   583
   └─┘  └─┘  └─┘  └─┘   └─┘
   –11  –22  –33   –44   –55
```

94. (A)

```
   121  117  108   92    67    31  ?
   └─┘  └─┘  └─┘  └─┘   └─┘
  –(2)² –(3)² –(4)² –(5)² –(6)²
```

95. (B)

```
   50    26   14    8   ?    5    3·5
   └─┘  └─┘  └─┘  └─┘  └─┘
  ×½+1  ×½+1  ×½+1  ×½+1  ×½+1
```

96. (C) Let the numbers of ducks and frogs be 37x and 39x respectively. As per question—

∵ $\frac{37x + 39x}{2} = 152$

⇒ $x = \frac{152 × 2}{76}$

$$= 4$$

∴   No. of frogs = 39 × 4

$$= 156$$

97. (E) Let the numbers of employees in companies A, B and C be 4x, 5x and 6x respectively.

∵ After increase numbers are

$$= \frac{4x \times 115}{100}, \frac{5x \times 130}{100}$$

$$\text{and } \frac{6x \times 150}{100}$$

∴ Reqd. ratio = 4 × 125 : 5 × 130 : 6 × 150

= 10 : 13 : 18

98. (B) Third number

= 5 × 213 – 2 × 233·5 – 2 × 271

= 1065 – 467 – 542

= 56

99. (A) Sonali's monthly income

$$= \frac{12750 \times 100}{100 - (55 + 15)}$$

= Rs. 42500

100. (D) Reqd. different ways $^5P_5 = \lfloor 5$

= 120

101. (B) Average number of men in 2005

$$= \frac{150 + 144 + 126 + 84 + 121}{5}$$

$$= \frac{625}{5}$$

= 125

102. (E) Total number of women in society E

= 88 + 156 + 125 + 99 + 120 + 104

= 692

and total number of residents in society E

= 220 + 240 + 250 + 220 + 240 + 260

= 1430

∴ Reqd. ratio $= \frac{692}{1430} = 346 : 715 = \frac{346}{715}$

103. (B) Reqd. average number of women in 2005

$$= \frac{100 + 176 + 154 + 126 + 99}{5}$$

$$= \frac{655}{5}$$

= 131

104. (A) Reqd. difference = 1320 – 1220

= 100

105. (D) Reqd. ratio = 130 : 150

= 13 : 15

106. (E) C. I.

$$= 9650 \left[\left(1 + \frac{6}{100}\right)^3 - 1 \right]$$

$$= 9650 \left[\frac{53 \times 53 \times 53 - 50 \times 50 \times 50}{50 \times 50 \times 50} \right]$$

$$= 9650 \times \frac{(148877 - 125000)}{125000}$$

$$= \frac{9650 \times 23877}{125000} = \text{Rs. } 1843 \cdot 30$$

≃ Rs. 1843 (App.)

107. (C) Reqd. concession per litre

$$= \left(\frac{3360}{120} - \frac{6120}{240} \right)$$

= (28 – 25·50)

= Rs. 2·50

108. (A) Let the reqd. number be x.

∵ $\frac{3626}{x^2} \times 32 = 2368$

⇒ $x^2 = \frac{3626 \times 32}{2368}$

= 49

∴ $x = 7$

109. (B) Let the first and second digits of the two-digit number be x and y respectively.

∵ $x + y = 14$

and $x - y = 2$

∴ $x = 8$

and $y = 6$

∴ Reqd. product = 8 × 6

= 48

110. (D) Reqd. time $= \frac{60 \times 6}{50}$

= 7·2 hours

111. (C) Reqd. % $= \frac{32 \cdot 5 \times 100}{(32 \cdot 5 + 22 \cdot 5 + 20)}\% = 43\frac{1}{3}\%$

≃ 43% (App.)

112. (A) Reqd. average number

$$= \left(\frac{25 + 22 \cdot 5 + 32 \cdot 5 + 25}{4} \right) \text{ thousand}$$

$$= \frac{105}{4} \times 1000$$

= 26250

113. (E) Reqd. average number

$$= \left(\frac{25 + 27 \cdot 5 + 30}{3}\right) \text{ thousand}$$

$$= \frac{82 \cdot 5}{3} \text{ thousand}$$

$$= 27500$$

114. (D) Reqd. difference
= (27500 + 32500 + 25000 + 22500)
    – (30000 + 20000 + 12500 + 30000)
= 107500 – 92500
= 15000

115. (B) Reqd. ratio = 32500 : 25000
= 13 : 10

116. (C) ? = (4863 + 1174 + 2829) ÷ 756

$$= \frac{8866}{756} = 11 \cdot 727$$

$$\simeq 12 \text{ (App.)}$$

117. (E) ? $= \sqrt{964} \times \sqrt{348}$
= 31·04 × 18·65
= 578·89
$\simeq$ 579 (App.)

118. (B) ? = 37·35 + 13·064 × 3·46
= 37·35 + 45·20
= 82·55
$\simeq$ 83 (App.)

119. (D) ? $= [(1 \cdot 5)^2 \times (3 \cdot 2)^2] \div 2 \cdot 3$

$$= \frac{2 \cdot 25 \times 10 \cdot 24}{2 \cdot 3}$$

$$= \frac{23 \cdot 04}{2 \cdot 3}$$

$$= 10 \cdot 017$$

$$\simeq 10 \text{ (App.)}$$

120. (A) ? $= 54 \times \frac{746}{32}$
= 1258·875
$\simeq$ 1259 (App.)

121. (B) 3rd, 7th, 8th and 10th letters of the word COMPATIBILITY are M, I, B and L. With these letters the word formed is LIMB whose last letter is 'B'.

122. (B) All the rest are parts of a trees.

123. (D) The words formed are : ARE, EAR and ERA.

124. (E)   As,   Similarly,

F $\xrightarrow{+\,2}$ H   S $\xrightarrow{+\,2}$ U

I $\xrightarrow{-\,2}$ G   L $\xrightarrow{-\,2}$ J

N $\xrightarrow{+\,2}$ P   I $\xrightarrow{+\,2}$ K

E $\xrightarrow{-\,2}$ C   T $\xrightarrow{-\,2}$ Q

125. (D) 'Potato' grows underground and 'Potato' is called 'Banana' Hence, 'Banana' grows underground.

126. (D)

8 6 4 3 5 1 9 2 → 1 2 3 4 5 6 8 9

In the new arrangement second from the right is 8 and fourth from the left is 4.
Hence, reqd. difference = 8 – 4 = 4

127. (C)

A D J E C T I V E → B C I F B S J U F

There are **two** vowels in the new arrangement.

128. (D)   L → 8
A → &
T → 4
E → $
and   H → 7
I → ★
R → 3
E → $

Hence,   H → 7
A → &
I → ★
L → 8

129. (E)

E N G L I S H

E G, G I, L N, and E I

130. (A)
na pa ka so → birds fly very high   …(1)
ri so la pa → birds are very beautiful   …(2)
ti me ka bo → the parrots could fly   …(3)
∴ From (1) and (2) so pa → birds very and
From (1) and (3) statements
ka → fly
∴   na → high

131. (C)

Or

132. (A)

133. (B)

Or

134. (D)

Or

135. (E)

Or
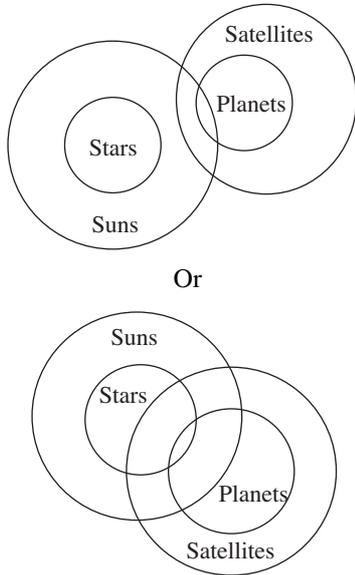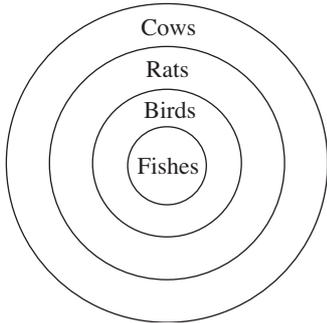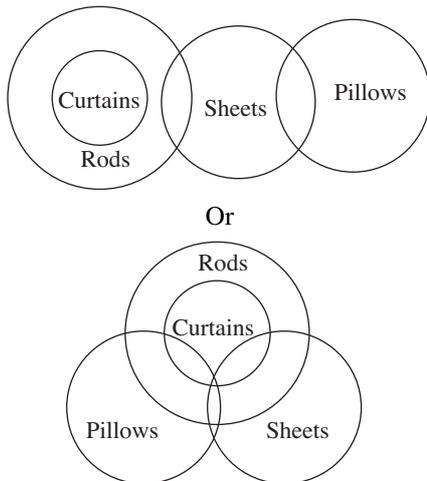

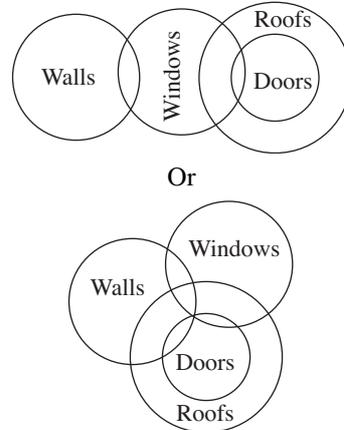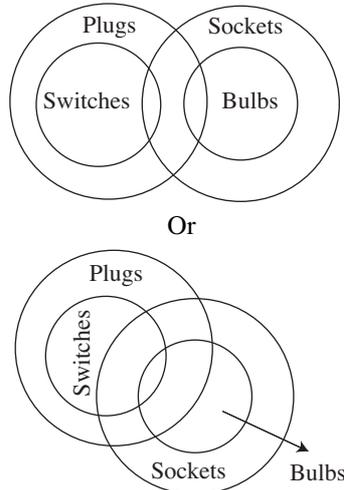136. (C) 489   541   654   953   783
          984   145   456   359   387

137. (B) 489   541   654   953   783
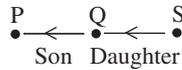   489   145   456   359   378

138. (A) 489   541   654   953   783
          490   542   655   954   784
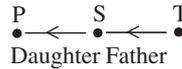
          5 – 4 = 1

139. (B) 489   541   654   953   783

          484   536   649   948   778

          5 ~ 8 = 3

140. (D) 489   541   654   953   783

          849   451   564   593   873

141. (C) P ÷ Q → P is the son of Q, Q + S → Q is the daughter of S
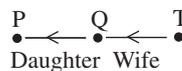
$$\underset{\text{Son}}{\overset{P}{\bullet}} \underset{}{\longleftarrow} \underset{\text{Daughter}}{\overset{Q}{\bullet}} \longleftarrow \overset{S}{\bullet}$$

∴ P is the grandson of S.

142. (A) P + S → P is the daughter of S, S – T → S is the father of T

$$\underset{\text{Daughter}}{\overset{P}{\bullet}} \longleftarrow \underset{\text{Father}}{\overset{S}{\bullet}} \longleftarrow \overset{T}{\bullet}$$

∴ P is the sister of T

143. (B) P + Q → P is the daughter of Q, Q × T → Q is the wife of T

$$\underset{\text{Daughter}}{\overset{P}{\bullet}} \longleftarrow \underset{\text{Wife}}{\overset{Q}{\bullet}} \longleftarrow \overset{T}{\bullet}$$

∴ T is the father of P.

144. (E)

145. (D)

$$\overset{P}{\bullet} \underset{\text{Wife}}{\longleftarrow} \overset{Q}{\bullet} \underset{\text{Father}}{\longleftarrow} \overset{T}{\bullet}$$
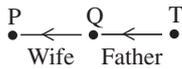
146. (A) 147. (C) 148. (E) 149. (B) 150. (C)

For Solution from Question 151–155 :

A	X	Finance	Male
B	Z	Marketing	Male
C	Y	Engineer	Male
D	X	H. R.	Lady
E	Y	Doctor	Male
F	Y	Marketing	Male
G	Z	Finance	Lady
H	Z	H. R.	Male

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

156. (C) In each subsequent figure, starting from the 2nd design, three designs reverse on their respective positions *i.e.,* from figure (1) to (2), 2nd, 3rd and 4th designs reverse from figure (2) to (3), 3rd, 4th and 1st designs reverse and so on. Hence, (C) will be the next figure in the series.
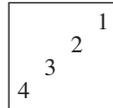
157. (E) In each subsequent figure, starting from the 3rd design from the upper-end, alternatively two designs and three designs change their size *i.e.,* small designs become big and big designs become small. These designs also

include last changed, design of the previous figure. Hence, in the series (E) will be the answer figure.

158. (D) In each subsequent figure, starting from the lower line, the semi-circles shift from the right-end to the left-end, on the middle line, from the left-end to the left-end, and on the upper line again from the right-end to the left-end, simultaneously their number increases by one, two and zero and they reverse on their places. Hence, (D) will be the next figure in the series.

159. (A) In each subsequent figure, the designs shift and 'N' is replaced by a new design in the following manner—
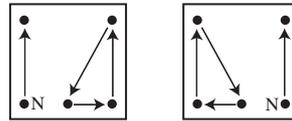
From (1) to (2) (2) to (3)
(3) to (4) (4) to (5)
(5) to (6)

160. (D) In each subsequent figure, the designs on the periphery of regular hexagon, shift in the following manner—

'Design 'C', in each alternate step shifts one side and two sides of the hexagon, one time inside and one time outside the hexagon in clockwise direction.

Design '★' shifts three sides inside the hexagon and then remains unchanged in the clockwise direction.

Design '=' shifts one side and two sides outside the hexagon in clockwise direction. Hence, (D) will be the next figure in the series.

161. (B) 162. (A) 163. (B) 164. (C) 165. (C)
166. (A) 167. (C) 168. (B) 169. (D) 170. (D)
171. (B) 172. (A) 173. (D) 174. (C) 175. (C)
176. (B) 177. (E) 178. (A) 179. (C) 180. (C)
181. (E) 182. (A) 183. (D) 184. (A) 185. (D)
186. (C) 187. (B) 188. (C) 189. (D) 190. (B)
191. (A) 192. (B) 193. (A) 194. (A) 195. (D)
196. (D) 197. (B) 198. (E) 199. (D) 200. (C)