SBI CLERK (ASSISTNAT) ONLINE EXAM

GENERAL AWARENESS

1. 'Jim Corbett National Park' is the oldest National Park in India. It is situated in the Indian state of
   (1) Himachal Pradesh
   (2) Uttar Pradesh
   (3) Punjab
   (4) Uttarakhand
   (5) Arunachal Pradesh

2. An independent authority appointed by the RBI for resolution of complaints against deficiency in banking services is known as ____
   (1) Chief Manager complaints in each bank
   (2) Chief vigilance officer
   (3) no such authority appointed
   (4) banking ombudsmen
   (5) compliance officer

3. The capital of 'Kingdom of Denmark' is
   (1) Munich   (2) Prague
   (3) Hamburg
   (4) Heisenburg
   (5) Copenhegan

4. In a bank's balance sheet which of the following is an asset ?
   (1) its paid up capital
   (2) its saving deposits
   (3) its investment in givernment securities
   (4) its accumulated reserve funds
   (5) its current deposits

5. The United Nations Children Funds (UNICEF) is a united nations program that provides humanitarian and development assistance to children and mothers in developing countries. Its headquarters in ____

   (1) Geneva, Switzerland
   (2) Paris, france
   (3) Vienna, Austria
   (4) New York, USA
   (5) Rome, Italy

6. The book 'odyssey of my life' is the autobiography of ____
   (1) Shri Shiv Raj Patil
   (2) Shri R R Patil
   (3) Shri Sandeep Patil
   (4) Shrimati Smita Patil
   (5) Shri Pratibha Patil

7. Union HRD Minister Shrimati Smriti Irani laid the foundation stone of 'Indian Institute of Management' in the state of Andhra Pradesh. The Institute is being set up in ____
   (1) Tirupathi (2) Nellore
   (3) Vishakhapatnam
   (4) Guntur
   (5) Vijayawada

8. Space Probe Beagle 2 has been found on the surface of Mars, 11 years after it was thought that it was lost on Mars. It was originally launched in 2003 by ____
   (1) Soviet space program
   (2) Israeli space agency
   (3) Japan aerospace exploration agency
   (4) China national space administration
   (5) European space agency

9. In order to raise awareness, conserve and use water resources in an integrated manpower, the Government of India observed "India Water Week" in the month of ____
   (1) Dec-14   (2) Feb-15
   (3) Oct-14   (4) Jan-15
   (5) Nov-14

10. The Men's final of 10th Savio Cup All India Basketball Tournament has recently been won by ____
    (1) Oil and Natural Gas Commission (ONGC)
    (2) Indian Overseas Bank
    (3) Hindustan Petroleum Corporation Limited (HPCT)
    (4) Indian Oil Corporation Limited (IOCL)
    (5) State Bank of India (SBI)

11. Shri Deep kumar Upadhyay has recently been named as its ambaddasor to India by the Government of ____
    (1) Mauritius (2) Nepal
    (3) Bhutan   (4) Fiji Islands
    (5) Maldives

12. The 'Indian Army Day' is observed every year on ____
    (1) 15th March
    (2) 15th September
    (3) 15th January
    (4) 15th August
    (5) 15th October

13. 'Raksha Biu' is the recently launched vaccine aimed at minimizing the economic loss of the animal farming community from the strains of the ____
    (1) 'Foot and Mouth Virus'
    (2) Bluetoungue virus
    (3) Bird flu virus
    (4) Road Water disease
    (5) Swine flu virus

14. As per 2011 Census the child sex ratio in the (0-6) group stood at
    (1) 969 female against 1000 male
    (2) 939 female against 1000 male
    (3) 919 female against 1000 male

(4) 959 female against 1000 male

(5) 929 female against 1000 male

15. India's Indigenously developed nuclear capable sub-sonic cruise missile 'Nirbhay' can strike targets more than
(1) 1000 Km away
(2) 3700 Km away
(3) 700 Km away
(4) 1700 Km away
(5) 2700 Km away

16. Which of the following countries is the world's largest producer of Gold?
(1) Canada   (2) China
(3) Peru   (4) Australia
(5) Columbia

17. Who amongst the following has recently been appointed as the Chairperson of the Central board of Film Certification (CBFC) ?
(1) Shri Pahlaj Nahlani
(2) Shri Aakash Nahlani
(3) Shrimati Shibha Nahlani
(4) Shri Govind Nahlani
(5) Shri Dayal Nahlani

18. Which of the follwoing is not a primary function of a bank?
(1) Accepting Deposit
(2) Clearing of cheques
(3) providing reference on financial standing on its customer
(4) Financing of foreign trade
(5) granting loans and advances

19. As per 2011 census the proportion of economically active population is the 15-50 in the total population was _____
(1) 55.5 percent
(2) 52.5 percent
(3) 42.5 percent
(4) 62.5 percent
(5) 48.5 percent

20. Meteorological satellite 'Fengyon it off' has recently been launched by _____

(1) Japan
(2) China
(3) Russia
(4) France
(5) Germany

21. Who amongst the following is the regulator in the financial system of the country ?
(1) Other than those given as options
(2) SEBI
(3) CRISIL
(4) TRAN
(5) CERC

22. 'Shivalik Hills' is a mountain range of the outer Himalayas. The range is about 2400 km long passing through the indian states of Arunachal Pradesh, West Bengal, Himachal Pradesh Uttarakhand and
(1) Punjab
(2) Uttar Pradesh
(3) Haryana
(4) Jammu & Kashmir
(5) Rajasthan

23. The abbreviation 'PLA' stands for
(1) Private Liberation Army
(2) People's Liberation Armed Force
(3) Public Liberation Army
(4) People's Liberation Army
(5) People's Liberty Army

24. "SARFAESI Act 2001" is applicable in banking industry for
(1) regulating the service conditions of employee
(2) appointment of nominee directors on the bank boards
(3) Other than those given as options
(4) streamlining documentation
(5) Facilitating Enforcement of security for recovery of bad loans

25. The RBI on January 15, 2015 has reduced 'REPO RATE' by how much percentage points?
(1) 0.60   (2) 0.25
(3) 1.00   (4) 0.75
(5) 0.40

26. According to the scientists of NASA's Goddard Institute for Space studies in Manhattan the hottest year in Earth's recorded history since 1990 was
(1) 2001   (2) 2014
(3) 1997   (4) 2005
(5) 2010

27. 'Mohiniyattam' is a classical dance from the Indian state of _____
(1) Assam
(2) Kerala
(3) Odisha
(4) Arunachal Pradesh
(5) Telangana

28. Who amongst the following won the noble peace prize for pioneering the concepts of micro credit and micro finance?
(1) Professor Mohammad Yunus
(2) Other than those given as options
(3) Professor Amartya sen
(4) Jean Tirole
(5) Professor Jagdish Bhagwati

29. 'Renimmibhi' is the currency of the _____
(1) People's Republic of China
(2) People's Republic of bulgaria
(3) People's Republic of Korea
(4) People's Republic of Ethiopia
(5) People's Republic of Bangladesh

30. Loans granted by a bank to an exporter popularly known as 'Export credit' is guaranteed, in case of default, by which of the following

(1) EXIM BANK
(2) MINISTRY OF INTERNAL TRADE, GOA
(3) ECGC
(4) DICGC
(5) Other than those given as options

31. 'Spartan' is the code-name for an upcoming web browser being developed by Microsoft to replace the existing user ?
(1) Safari   (2) Opera
(3) Internet explorer
(4) Firefox
(5) Chrome

32. Shri Manohar Gopalkrishna Prabhu Parikaris the Union Cabinet Minister for _____
(1) Railways
(2) Law and Justice
(3) Mines and steel
(4) Defence
(5) Civil aviation

33. Which of the following forms of securing a loan in the safest one ?
(1) Lien
(2) Assignment
(3) Pledge
(4) Hypotheciation
(5) Mortgage

34. The 'Asian News International' (ANI) is a news agency based in
(1) Singapore
(2) New Delhi, India
(3) Rawalpindi, Pakistan
(4) Tokyo, Japan
(5) Beijing, China

35. With a view to encourage entrepreneurship among the schedule castes, 'a venture fund for the SCs' has recently been launched by _____
(1) The state Government of Bihar
(2) The state Government of Uttar Pradesh
(3) The state Government of Rajasthan
(4) The state Government of Maharashtra
(5) The Government of India

36. The ratio of deposits to loans of a bank is known as _____
(1) NPA Coverage Ratio
(2) Return on asset ratio
(3) Asset coverage ratio
(4) CD ratio
(5) Other than those given as options

37. The loan limit for affordable housing (Valuing upto Rs. 425 Lacs) in 6 Metropolitian centres specified by RBI in
(1) Rs 70,00 Lacs
(2) Rs 40,00 Lacs
(3) Rs 50,00 Lacs
(4) Rs 20,00 Lacs
(5) Rs 30,00 Lacs

38. Which of the follwoing is the negotiable instrument ?
(1) Fixed deposit of a bank
(2) share certificate issued by a PSU
(3) demand draft issued by a bank
(4) debenture of a company
(5) airway receipt

39. 'Jimjang Deru' of Arunachal Pradesh has recently broken his own national record set by him last year in _____
(1) Boxing
(2) Archery
(3) Wrestling
(4) Athletics
(5) Weight Lifting

40. Scientists at the Harvard Smithsonian centre for astrophysics (CIA) have recently found two most Earth like planets. The planets have been named by _____
(1) Kinston 410b and Kinston 440b
(2) Kepler 438b and kepler 442b
(3) Kirakon 420b and kirakon 440b
(4) litmus 414b and litmus 441b
(5) luilin 410b and luilin 421b

ENGLISH LANGUAGE

Directions (41–45) : Each sentence given below has a blank indicating that something has been omitted. Choose the word that best suits the meaning of the sentence as a whole.

41. Ideally you should set aside funds to help you _____ over situations such as a sudden medical emergency or unexpected expenses.
(1) come   (2) turn
(3) reach   (4) pass
(5) tide

42. Organizations should implement some practices that the army follows _____ younger staff with important conclusions.
(1) experiencing
(2) nominating
(3) responsible
(4) entrusting
(5) supportive

43. _____ from teaching young students about entrepreneurship we also provide funds to start and sustain their business for the short time.
(1) While   (2) Whether
(3) Apart   (4) Further
(5) Perhaps

44. Cost of fuel is the second most crucial _____ in a person's decision to buy a car.
(1) event   (2) advice
(3) factor   (4) opportunity
(5) aspects

45. The green revolution which was started in the 1960's helped to reduce food scarcity and _____ improved the health of the economy.
(1) still   (2) rapidly
(3) expected (4) growing
(5) extremely

Directions (46–50) : In these questions, sentences with four bold words are given. One from four words given in the **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, that word will be your answer. If all words given in the **bold** are correctly spelt and also appropriate in the context of the sentence then **'All Correct'** is your answer.

46. According to the **management** the bank is **likely** to **perform** better in the next **quarter**.
(1) management
(2) likely
(3) perform
(4) quarter
(5) All correct

47. It is **difficult** to **gain access** to the hospital because there is no **permanent** road.
(1) difficult
(2) gain
(3) access
(4) permanent
(5) All correct

48. One of the **most** important **tasks** of the **morden** government is to run an **efficient** welfare system.
(1) most
(2) tasks
(3) morden
(4) efficient
(5) All correct

49. **Even experienced** bankers were **surprised** by RDF's decision to cut rates **prior** to the budget.
(1) Even
(2) experienced
(3) surprised
(4) prior
(5) All correct

50. The new **generation** is confident, tech-savvy and is not **fearful** of **trying** new **things**.
(1) generation
(2) fearful
(3) trying
(4) things
(5) All correct

Directions (51–60) : Read the following passage carefully and answer the given questions. Certain words/phrases have been given in **bold** to help you locate them while answering some of the questions.

A group of employees was working in a software company. It was a team of thirty employees. They were young, energetic and **dynamic** team with keen enthusiasm and a desire to learn and grow. The management decided to teach the employees how to find real solutions to problems. The team was called to play a game in banquet hall. The group was quite surprised that they were called to play a game. Everyone reached the venue with various thoughts on their minds. As they entered the hall, they found the hall decorated beautifully with colourful decorated papers and balloons all over the place. It was more like a children's party area than a corporate meeting hall. Everyone was surprised and gazed at each other. Also there was a huge box of balloons placed at the centre of the hall. The team leader asked everyone to pick a balloon from the box and blow it up. Everyone picked up the balloon and blew it up. Then the team asked them to write names on their balloons carefully so that the balloons didn't burst. Everyone tried to write their names on their balloons, but not everyone was successful. A few balloons burst due to pressure and the people whose balloons were burst, were given another chance to pick a balloon. Those who failed to write their names even after the second chance were asked to leave the game.

After the second chance, Twenty five employees **qualified** for the next level. All the balloons were collected and then put into a room. The team leader asked the employees to go to the room and pick the same balloons that had his/her name on it. Also he told them that no balloon should burst and **warned** them to be very careful. All the employees reached the room, where the balloons carrying their names were thrown here and there. They were searching for their respective balloons. While they were in a rush to find the respective balloons, they tried not to burst the balloons. Fifteen minutes passed away and no one was able to find the balloons carrying their own name.

The team was told that the second level of the game was over. Now was the time for third and final level. The employees were asked to pick any balloon in the room and give it to the person named on the balloon. Within a couple of minutes all balloons reached the hands of the respective employees and everyone reached the hall. The team leader then said. "This is called the new solution to a problem. Everyone is **frantically** haunting for solutions to problem without understanding the ideal way. Many times sharing and helping others gives you real solutions to all problems".

51. Which of the following cannot be said about the employees?
(A) Atleast one employee found the balloon when they were asked to pick up a balloon with their name on it.
(B) They participated whole heartedly in the task
(C) They all failed to follow the instructions given by the team leader in the end.
(1) Only (A)
(2) Only (A) and (B)
(3) All (A) (B) and (C)
(4) Only (B)
(5) Only (A) and (C)

52. Why was everyone surprised reaching on their corporate meeting hall ?
(1) Their team leader was dressed as a kid
(2) Their seniors were missing from the hall
(3) The hall was equipped with the latest and high technological gadgets
(4) The hall was too small to accommodate all of them
(5) other than those given as options

53. Which of the following can be said about the mangement's idea of trying to teach their employees something ?

(A) The idea did not indeed teach anything for the people who did not finish the task

(B) The idea was ill received by all

(C) The idea was creative

(1) Only (A)

(2) Only (B) and (C)

(3) Only (C)

(4) All (A) (B) and (C)

(5) Only (A) and (B)

54. Which one of the following aspects come across very strongly in the story ?

(1) One should not worry about goals

(2) One should be honest and sincere regarding one's work

(3) One should be helpful towards others regardless what the end results in

(4) One should look beyond personal goals to achieve success in a task

(5) One should share one's problem with others to feel better

55. Choose the word which is most opposite in meaning to the word given in bold as used in the passage ?

Qualified

(1) illiterate (2) ignorant

(3) failed (4) pushed

(5) silly

56. Choose the word which is most similar in meaning to the word given in bold as used in the passage ?

Warned

(1) threatened

(2) cautioned

(3) pressurized

(4) intermediated

(5) bulfied

57. Choose the word which is most similar in meaning to the word given in bold as used in the passage ?

Dynamic

(1) vibrant (2) colourful

(3) explosive (4) different

(5) noisy

58. Which of the following is true according to the story ?

(1) The task was successful only after the employees were shown the right way to go about it

(2) The only way to make a task successful is by helping others, otherwise the task fails

(3) The employees who were asked to leave the game were disinterested in it

(4) There were more than four levels in the task

(5) All the given statements are true

59. Choose the word which is most opposite in meaning to the word given in bold as used in the passage ?

Frantically

(1) nervously

(2) secretively

(3) crazily

(4) calmly

(5) minutely

60. Which of the following can be the most appropriate title for the story ?

(1) Sharing and caring

(2) The game of balloons

(3) The company with a team leader

(4) A friend in need is a friend indeed

(5) The twenty five employees

Directions (61–65) : Rearrange the given six sentences/ group of sentences (A) (B) (C) (D) (E) and (F) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

(A) Beena grew day by day and was charming and polite but as the goddess predicted she had to have a new outfit every day and for a while the king and queen were happy to let their heir way but soon realized that this had to stop.

(B) They longed for the child and prayed and prayed till finally one day their prayers were heard

but the goddess warned, you will soon have a little girl and though she will be a loving child, she will love new clothes too much and will be cursed if she coverts, another's clothes.

(C) They tried to get her mend her ways but in vain and one day when Beena saw a beautifull girl simply dressed in a cotton sari and noticed how people were admiring the simply dressed girl she demanded the dress.

(D) The kingdom was at peace, subjects were happy and there was a bumper crop but the King and Queen were very sad.

(E) As foretold, Beena turned into an onion. A plant with many layers to symbolize the many dresses she had.

(F) The King and Queen were ready to accept this flow and when the Queen gave birth to a baby girl the entire kingdom rejoiced.

61. Which of the following should be the **FIFTH** sentence after the rearrangement ?

(1) A (2) C

(3) D (4) E

(5) F

62. Which of the following should be the **SIXTH (last)** sentence after the rearrangement ?

(1) A (2) B

(3) C (4) D

(5) E

63. Which of the following should be the **FIRST** sentence after the rearrangement ?

(1) A (2) B

(3) C (4) D

(5) F

64. Which of the following should be the **SECOND** sentence after the rearrangement?

(1) A (2) B

(3) C (4) D

(5) F

65. Which of the following should be the **THIRD** sentence after the rearrangement ?

(1) A   (2) B
(3) D   (4) E
(5) F

Directions (66–70) : Read the sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. The number of the part with the error is your answer. If there is no error then 'no error' is your answer. Ignore the errors of punctuations if any.

66. One night, freiddle the fox was (1)/prowling around (2)/an actor's house when he (3)/found an open window. (4)/ No error (5)

67. Millie was (1)/a mouse who had (2)/a cousin named Tora (3)/ living from the city. (4)/ No error (5)

68. In a jungle there lived (1)/a lion who felt ashamed (2)/of himself because (3)/he was scared on chickens. (4)/No error (5)

69. The big bad wolf gobbled (1)/up the little lamb so fast (2)/that a bone was stick (3)/in his throat. (4)/No error (5)

70. Hares are rather (1)/noise animals who (2)/love to bear (3)/themselves talking. (4)/No error (5)

Direction (71–80) : In the given passage there are blanks, each of which is numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Once in a town of Shimpola, there lived a rich and cunning money lender called Vidushan. He (71) money to poor people and (72) them to give their land. The troubled people went to Subhadhar who (73) to visit their town soon.

One morning, a jeweller visited Vidushan with some expensive looking jewellery. When Vidushan asked for its price, the jeweller said it was worth a handful grain. He also said if you are (74) to give me a grain, give me a thousand gold coins and return the poor people's land as well. Greedy Vidushan was very (75). He gave the jeweller a handful of grains. The jeweller (76) to take it and took him to court. There he told the judge, "My Lord, I had asked him for a single grain that was the (77) of a full hand and he gave me a handful of grains. As per the (78) he should pay me a thousand of gold coins and return the poor people's land to them."

The Judge (79) and adjudged the case in his (80). The jeweller was actually Subhadhar and he had helped poor get their land back.

71. (1) lent   (2) borrowed
    (3) grant   (4) presented
    (5) showed

72. (1) empowered
    (2) forced   (3) punished
    (4) prevent   (5) destroy

73. (1) said   (2) assuring
    (3) promise   (4) guarantee
    (5) vouched

74. (1) not
    (2) powerless
    (3) unqualified
    (4) unable   (5) there

75. (1) contents   (2) delightful
    (3) blessed   (4) happy
    (5) gladly

76. (1) accepted   (2) denies
    (3) loved   (4) wanted
    (5) refused

77. (1) lengthy   (2) growth
    (3) extent   (4) size
    (5) shapes

78. (1) conditions
    (2) demands (3) position
    (4) state   (5) will

79. (1) yes   (2) agreed
    (3) supporting
    (4) chose   (5) ordered

80. (1) honour   (2) side
    (3) favour   (4) worth
    (5) service

QUANTITATIVE APTITUDE

81. If one–third of one–seventh of a number is 15, then two–fifth of that number is
(1) 158   (2) 165
(3) 142   (4) 136
(5) 126

82. The simple interest obtained when a sum of money is invested for 4 years at 18% per annum is Rs. 427 more than the simple interest obtained if the same sum of money is invested for 2 years at 22% per annum What is the amount obtained when the same sum of money is invested for 4 years at 18% per annum ?
(1) Rs. 2,130   (2) Rs. 2,623
(3) Rs. 1,096   (4) Rs. 1,854
(5) None of these

83. Train A, whose length is 328 metre can cross a 354 metre long platform in 11 seconds. Train B can cross the same platform in 12 seconds. If the speed of train–B is $\frac{7}{8}$ th of the speed of train–A, what is the length of train–B ? (in m)
(1) 321   (2) 303
(3) 297   (4) 273
(5) 309

84. The ratio of number of males and number of females in village X is 11:7 respectively. If in village Y, the number of males is 20% more than the number of males in village X and the number of females is 12% less than those in village X, then what will be the respective ratio of males to females in village Y ?
(1) 15 : 11   (2) 17 : 5
(3) 17 : 11   (4) 23 : 9
(5) 15 : 7

85. The areas of two circular fields are in the ratio of 25 : 64 respectively. If the radius of the latter is 16 metre then what is the radius of the former ? (in metre)

(1) 14   (2) 10
(3) 6   (4) 18
(5) 8

86. 16 times X is equal to 5 times Y. If 8 is subtracted from Y it is 10 more than two times X. What is the sum of X and Y ?
(1) 78   (2) 39
(3) 48   (4) 92
(5) 63

Directions (87 – 91) : Study the following table carefully and answer the given questions:

Number of pages printed by 5 printers in 5 days					
	Printers				
Day	M	N	O	P	Q
Monday	196	145	254	169	291
Tuesday	125	172	233	141	297
Wednesday	167	189	243	223	189
Thursday	219	233	158	256	284
Friday	240	289	153	251	271

87. If the total number of pages printed by all the given printers together on Saturday was 18% more than the total number of pages printed by all the given printers together on Thursday, what was the total number of pages printed by all the given printers together on Saturday ?
(1) 1379   (2) 1299
(3) 1357   (4) 1289
(5) 1331

88. What is the respective ratio between total number of pages printed by printer O on Tuesday and Wednesday together and total number of pages printed by printer Q on Monday and Tuesday together ?
(1) 17 : 21   (2) 17 : 19
(3) 19 : 21   (4) 17 : 23
(5) 19 : 23

89. What is the sum of 58% of the total number of pages printed by printers M and O together on Monday and 65% of the total number of pages printed by printers N and Q together on Friday ?

(1) 610   (2) 655
(3) 575   (4) 625
(5) 640

90. Number of pages printed by printer N on Tuesday is what percent of the number of pages printed by printer M on Friday ?
(1) $71\frac{2}{3}$ (2) $69\frac{2}{3}$
(3) $74\frac{1}{3}$ (4) $65\frac{1}{3}$
(5) $77\frac{2}{3}$

91. What is the average number of pages printed by printer P during all the given days together?
(1) 214   (2) 204
(3) 208   (4) 218
(5) 198

92. Glenn labelled the price of an article in such a way so as to earn 25% profit. However, while selling he offered 6% discount on the labelled price. If he sold it for Rs. 10,340, what was the cost price of the article ?
(1) Rs. 9,200   (2) Rs. 8,000
(3) Rs. 8,800   (4) Rs. 8,600
(5) Rs. 8,400

93. In what ratio Martina should mix two varieties of juice worth Rs. 52 per litre and Rs. 74 per litre so that by selling the mixture at the rate of Rs. 71.28 per litre she can earn a profit of 8% ?
(1) 6 : 7   (2) 3 : 7
(3) 5 : 8   (4) 4 : 7
(5) 3 : 8

94. The difference between length and breadth of a rectangle is 17m and the perimeter is 106m. Find the area of rectangle ? (in m²)
(1) 716   (2) 660
(3) 630   (4) 740
(5) 524

95. Present ages of three persons A, B, C are in the ratio

of 6:7:9 respectively. After 5 years, sum of their ages will be 81 years. Find the present age of B ? (in years)
(1) 21   (2) 28
(3) 35   (4) 14
(5) 42

96. Two pipes can fill a tank in 10 hours and 16 hours respectively. A third pipe can empty the tank in 40 hours. If all the three pipes are opened and they function simultaneously then in how much time the tank will be full ? (in hours)
(1) $6\frac{1}{11}$ (2) $9\frac{9}{11}$
(3) $8\frac{9}{11}$ (4) $7\frac{3}{11}$
(5) $6\frac{5}{11}$

97. The average monthly income of A and B is Rs. 7,760. The average monthly income of B and C is Rs. 10,990 and that of C and A is Rs. 9,070. What is the annual income of B ?
(1) Rs. 1,20,240
(2) Rs. 1,24,480
(3) Rs. 1,12,360
(4) Rs. 1,28,120
(5) Rs. 1,16,160

98. Scheme A offers compound interest (compounded annually) at a certain rate of interest (p.c.p.a.). When a sum was invested in the scheme it amounted to Rs. 14,112 after 2 years and Rs. 16,934,40 after 3 years. What was the sum of money invested ?
(1) Rs. 9000   (2) Rs. 10,200
(3) Rs. 8,800   (4) Rs. 9,400
(5) Rs. 9,800

99. Mr. Sharma distributed an amount of money among his wife, one son and one daughter and kept some money for himself. 12% of the total amount he gave to his wife and kept 22% for himself. Out of the remaining amount, he

gave to his son and daughter in the ratio of 7:8 respectively. If the daughter got Rs. 3,806 more than the son, what was the total amount that Mr. Sharma had ?

(1) Rs. 60,000   (2) Rs. 78,650

(3) Rs. 86,500   (4) Rs. 80,500

(5) Rs. 72,400

Directions (100 – 114) : What will come in place of the question mark (?) in the given questions.

100. $\dfrac{(415+223)^2 + (415-223)^2}{(415 \times 415 + 223 \times 223)} = ?$

(1) 2   (2) 5

(3) 3   (4) 6

(5) 4

101. $\dfrac{(349+503)}{35.5} + 428 = \dfrac{?}{9}$

(1) 4068   (2) 3870

(3) 4203   (4) 4158

(5) 4122

102. $\left(86 - \dfrac{742}{53}\right) \div 2 = ?^2$

(1) 3   (2) 4

(3) 6   (4) 9

(5) 2

103. $\dfrac{[1496-392]}{23} \times 15 = 213 + ?$

(1) 477   (2) 437

(3) 539   (4) 507

(5) 517

104. $9^2 \times \sqrt[4]{(1296)} - 254$

$= (? \times 9 + 124)$

(1) 14   (2) 9

(3) 6   (4) 12

(5) 20

105. $5136 \div (523 + 333)$ of $\dfrac{3}{4} + 459$

$= ?$

(1) 520   (2) 541

(3) 513   (4) 493

(5) 467

106. $64^2 - 36^2 = ? \times 25$

(1) 118   (2) 212

(3) 112   (4) 134

(5) 106

107. $\dfrac{2}{3} - \dfrac{5}{7}$ of $\dfrac{21}{23}$ of $\dfrac{46}{51}$

$= ?$ of $\dfrac{8}{85}$

(1) $\dfrac{1}{6}$ (2) $\dfrac{5}{6}$

(3) $\dfrac{5}{7}$ (4) $\dfrac{2}{17}$

(5) $\dfrac{1}{3}$

108. $4^3 \times 2^6 \times 8^{\frac{2}{3}} = 2^?$

(1) 10   (2) 16

(3) 14   (4) 8

(5) 12

109.

$\dfrac{\sqrt{(180)} \times \sqrt{(18)} \times \sqrt{(5)} \times \sqrt{(3)}}{\sqrt{(96)} \times 5} = ?$

(1) $5\dfrac{1}{2}$ (2) $2\dfrac{3}{4}$

(3) $1\dfrac{1}{2}$ (4) $4\dfrac{1}{2}$

(5) $5\dfrac{2}{3}$

110. $\dfrac{2560}{32} + \dfrac{23}{45}$ of $855 = \dfrac{7}{11}$ of $?$

$+ 391$

(1) 297   (2) 198

(3) 132   (4) 176

(5) 275

111. $\dfrac{156.25}{12.5} \times \dfrac{1000}{2500} = \dfrac{?}{28}$

(1) 147   (2) 140

(3) 112   (4) 168

(5) 196

112. $\sqrt{\left(337 + \sqrt{(561 + \sqrt{225})}\right)} + ? =$

$\dfrac{576}{8}$

(1) 51   (2) 59

(3) 53   (4) 42

(5) 45

113. $13^2 - \sqrt{(1764)} \times \dfrac{\sqrt{(625)}}{21} = ?$

(1) 129   (2) 139

(3) 121   (4) 153

(5) 119

114. 150% of 240 + 125% of 1684 = $[? - 345] \times 493$

(1) 350   (2) 450

(3) 370   (4) 368

(5) 410

Directions (115 – 119) : What will come in place of the question mark (?) in the following number series ?

115. 319   320   347   472   815   ?

(1) 1322   (2) 1265

(3) 1435   (4) 1148

(5) 1544

116. 12   6.5   7.5   12.75   27.5   ?

(1) 65.5   (2) 58.25

(3) 71.25   (4) 55.75

(5) 52

117. 5   6   14   45   ?   925

(1) 138   (2) 184

(3) 172   (4) 98

(5) 154

118. 112   117   127   142   162   ?

(1) 214   (2) 187

(3) 194   (4) 182

(5) 205

119. 4   7   20   79   ?   2363

(1) 234   (2) 148

(3) 296   (4) 482

(5) 394

120. A, B and C started a business together. The respective ratio of investments of A and B was 3 : 5 and the respective ratio of investments of B and C was 10 : 13. If at the end of the year C received Rs. 5,876 as his share of annual profit, what was the total annual profit earned by all of them together ?

(1) Rs. 13,108

(2) Rs. 12,756

(3) Rs. 13,224

(4) Rs. 12,984

(5) Rs. 12,188

REASONING

Directions (121 – 125) : Study the following information carefully and answer the questions given below:

In a certain code language —

"dress code for meeting" is written as 'dk pd jn td'

"wear black formal dress" is written as 'pd ro ld te'

"formal meeting this weekend" is written as 'yi te dk vr'

"black code this weekend" is written as 'jn vr ld yi'

(All the codes are two letter codes)

121. In the given code language what does 'te' stands for ?
   (1) this
   (2) formal
   (3) dress
   (4) black
   (5) meeting

122. In the given code language what is the code for 'dress'?
   (1) jn   (2) ro
   (3) pd   (4) td
   (5) ld

123. What does 'ld' stand for in the given code language?
   (1) meeting   (2) weekend
   (3) formal   (4) for
   (5) Other than those given as options

124. Which of the following possibly means 'security code' in the given code language ?
   (1) ux vr   (2) vr tc
   (3) pd ux   (4) jn ux
   (5) jn pd

125. What is the code for 'weekend' in the given code language ?
   (1) either yi or vr
   (2) dk   (3) te
   (4) jn   (5) ld

Directions (126 – 130) : In each of the following questions, two statements followed by two conclusions numbered I and II have been given. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

126. **Statements :**
   All drums are flutes.
   All guitars are drums.
   Conclusions :
   I. All guitars are flutes.
   II. All drums are guitars.
   (1) Both Conclusions I and II follow
   (2) Only Conclusion I follows
   (3) Neither Conclusion I nor II follows
   (4) Only Conclusion II follows
   (5) Either Conclusion I or II follows

127. **Statements :**
   Some speakers are guests.
   No guest is a dignitary.
   Conclusion :
   I. No dignitary is a speaker.
   II. Some guests are definitely not speakers.
   (1) Only Conclusion II follows
   (2) Both Conclusions I and II follow
   (3) Either Conclusion I or II follows
   (4) Neither Conclusion I nor II follows
   (5) Only Conclusion I follows

128. **Statements :**
   All spades are tools.
   No spade is a vessel.
   Conclusions :
   I. Atleast some spades are vessels.
   II. No spade is a vessel.
   (1) Either Conclusion I or II follows
   (2) Neither Conclusion I nor II follows
   (3) Only Conclusion II follows
   (4) Both Conclusions I and II follow
   (5) Only Conclusion I follows

129. **Statements :**
   All users are senders.
   Some users are machines.
   Conclusions :
   I. Some senders are users.
   II. Some machines are senders.
   (1) Both Conclusions I and II follow
   (2) Only Conclusion I follows
   (3) Only Conclusion II follows
   (4) Either Conclusion I or II follows
   (5) Neither Conclusion I nor II follows

130. **Statements :**
   Some cooks are employees.
   Some employees are workers.
   Conclusions :
   I. All cooks are workers.
   II. No cook is a worker.
   (1) Either Conclusion I or II follows
   (2) Only Conclusion II follows
   (3) Only Conclusion I follows
   (4) Both Conclusions I and II follow
   (5) Neither Conclusion I nor II follows

Directions (131 – 135) : In each of the following questions, relationship between different elements is shown in the statements. The statements are followed by two Conclusions numbered I and II. Study the Conclusions based on the given statement and select the appropriate answer.

131. **Statements :**
   $S = A \leq P > R \leq T < U$
   Conclusions :
   I. $U > A$
   II. $S \leq T$
   (1) Both Conclusions I and II are true
   (2) Only Conclusion I is true
   (3) Only Conclusion II is true
   (4) Neither Conclusion I nor II is true
   (5) Either Conclusion I or II is true

(132 – 133) :

Statements :
P ≥ Q < R = M; R ≥ F

132. Conclusions :
  I. M ≥ F
  II. F > P
  (1) Both Conclusions I and II are true
  (2) Only Conclusion I is true
  (3) Neither Conclusion I nor II is true
  (4) Either Conclusion I or II is true
  (5) Only Conclusion II is true

133. Conclusions :
  I. F < Q
  II. P ≥ M
  (1) Only Conclusion I is true
  (2) Both Conclusions I and II are true
  (3) Neither Conclusion I nor II is true
  (4) Either Conclusion I or II is true
  (5) Only Conclusion II is true

134. Statements :
T ≥ O = I ≥ L = D

Conclusions :
  I. D < T
  II. D = T
  (1) Both Conclusions I and II are true
  (2) Neither Conclusion I nor II is true
  (3) Either Conclusion I or II is true
  (4) Only Conclusion I is true
  (5) Only Conclusion II is true

135. Statements :
J < C = T ≥ U ≥ R = N

Conclusions :
  I. N < C
  II. U > J
  (1) Both Conclusions I and II are true
  (2) Neither Conclusion I nor II is true
  (3) Only Conclusion I is true
  (4) Only Conclusion II is true
  (5) Either Conclusion I or II is true

136. If it is possible to make only one meaningful word with the first, fourth, sixth and eighth letters of the word 'SENTENCE', which could be the second letter of the word from the right end? If more than one such word can be formed give 'X' as the answer. If no such word can be formed give 'Z' as your answer.
  (1) N (2) T
  (3) Z (4) X
  (5) S

137. The positions of how many digits will remain the same if the digits in the number 297345618 are rearranged in the descending order within the number, from left to right?
  (1) None (2) Two
  (3) More than three
  (4) Three
  (5) One

138. How many such pairs of letters are there in the word CLAYED, each of which has as many letters, between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series ?
  (1) None (2) One
  (3) Two (4) Three
  (5) More than three

Directions (139 – 144) : Study the following information carefully and answer the questions given below :

Eight persons C, D, E, F, G, H, I and J are seated in the straight line facing north, but not necessarily in the same order. H sits fifth to the left of D. D does not sits at any of the extreme ends of the line. Only two persons sit between H and I. E sits third to the right of J. J is not an immediate neighbour of H. C is an immediate neighbour of G. G is not an immediate neighbour of I.

139. Which of the following represents persons seated at the two extreme ends of the line?
  (1) H, E (2) I, F
  (3) C, E (4) G, J
  (5) F, G

140. Which of the following statement is true with respect to F as per the given arrangement ?
  (1) Only one person sits between F and J
  (2) Both I and D are immediate neighbours of F
  (3) None of the given options is true
  (4) Only two people sit to the right of F
  (5) F sits second to the left of E

141. If all the given people are made to sit in alphabetical order from left to right, the positions of how many of them will remain unchanged?
  (1) Two
  (2) Three
  (3) Four
  (4) None
  (5) One

142. What is the position of J with respect to H?
  (1) Fifth to the right
  (2) Third to the right
  (3) Second to the right
  (4) Second to the left
  (5) Fourth to the right

143. How many persons are seated between G and F ?
  (1) One (2) Five
  (3) Four (4) Three
  (5) Two

144. Who amongst the following sits exactly in the middle of the persons who sit fourth from the left and third from the right?
  (1) D (2) J
  (3) F (4) I
  (5) G

Directions (145 – 150) : Study the following information carefully and answer the questions given below :

Eight persons· M, N, O, P, W, X, Y and Z are sitting around a circular table facing the centre, with equal distances between each other but not necessarily in the same order.

M sits second to the left of O. P is an immediate neighbour of O and W. Only three persons sit between O and Y. X sits to the immediate right of W. Z is neither an immediate neighbour of W nor O.

145. What will come in the place of question mark (?) in the following series based on the given arrangement ?
MZ PW YN NY ?
(1) WP   (2) XN
(3) WX   (4) XY
(5) WY

146. Which of the following pair represents the immediate neighbours of M ?
(1) X, W   (2) P, Y
(3) Y, Z   (4) Z, W
(5) Z, N

147. Which of the following statements is true as per the given arrangement ?
(1) X is an immediate neighbour of Y
(2) Z sits second to the right of W
(3) Y sits to the immediate left of M
(4) P sits second to the right of X
(5) None of the given options is true

148. How many persons sit between M and W as per the given arrangement ?
(1) None   (2) Four
(3) Three   (4) Two
(5) One

149. Who amongst the following sits third to the left of P ?
(1) Y   (2) M
(3) O   (4) Z
(5) N

150. Four of the following five are alike in a certain way and so form a group. Which of the following does not belong to the group ?
(1) O, M   (2) W, O
(3) N, Z   (4) N, X
(5) Y, W

Directions (151 – 155) : Study the following arrangement carefully and answer the questions given below :

3 9 2 4 7 5 9 2 8 1 4 9 5 3 1 6 5 7 3 4 2 9 8 1 3 6 2 8 1 7 5 4 5

151. How many such 2s are there in the given arrangement, each of which is immediately followed by a perfect square?
(1) More than three
(2) Three   (3) One
(4) Two   (5) None

152. If all the even digits are deleted from the given arrangement, which of the following will be tenth from the right end of the arrangement ?
(1) 3   (2) 1
(3) 5   (4) 7
(5) 9

153. How many such 4s are there in the given arrangement, each of which is immediately followed by a digit which has a numerical value of more than four ?
(1) More than three
(2) One   (3) None
(4) Two   (5) Three

154. Which of the following is seventh to the left of the seventeenth digit from the left end of the given arrangement ?
(1) 1   (2) 9
(3) 4   (4) 8
(5) 5

155. How many such 3s are there in the given arrangement, each of which immediately preceded by an odd digit and also immediately followed by an even digit ?
(1) Three   (2) Two
(3) More than three
(4) None   (5) One

Directions (156 – 158) : The following questions are based on the given five three letter words :
ACT SHY EON ACE WEB

156. If the letter 'F' is added before each of the given words, how many of them will form meaningful English words ?
(1) One
(2) More than three
(3) None   (4) Two
(5) Three

157. If the first and second letter of each of the given words are interchanged, then which of the following will become a meaningful English word ?
(1) EON   (2) ACE
(3) ACT   (4) SHY
(5) WEB

158. If the first and third letters of each of the given words is changed to the next letter in the English alphabetical series, how many of them will have atleast two vowels (same of different vowels) ?
(1) None   (2) One
(3) Three   (4) Two
(5) Four

159. In a certain code the word 'DOUBT' is written as '$#35&' and the word 'BONES' is written as '5#@67'. How is the word 'STONE' written in this code ?
(1) 7&#@6   (2) 7@53#
(3) 7&53#   (4) $673@
(5) &753#

160. Among five friends A, B, C, D and E each running at a different speed in a race, who ran the second slowest ? E ran faster than only two friends. A ran faster than D but slower than B. B did not run the fastest.
(1) D
(2) B
(3) C
(4) Cannot be determined
(5) A

MARKETING AWARENESS AND COMPUTER KNOWLEDGE

161. _____ connects the CPU to various internal components and to expansion cards for graphics and sound.
    (1) RAM
    (2) Internal buses
    (3) BIOS   (4) Chip set
    (5) ROM

162. As per SEBI regulation every applicant shall pay a non-refundable application fee of Rs._____along with application for grant or renewal of certification of registration for investment advisors.
    (1) Rs. 2500   (2) Rs. 15000
    (3) Rs. 7500   (4) Rs. 5000
    (5) Rs. 10000

163. In order to grow task, if a company takes its existing product/service to new markets, it is said to be deploying _____
    (1) Market penetration strategy
    (2) Market development strategy
    (3) Product development strategy
    (4) All those given as options
    (5) Diversification strategy

164. _____ are used to measure both computer memory (RAM) and storage capacity of Floppy disks, CD-ROM drives and Hard drives.
    (1) Bytes   (2) Bites
    (3) Octal numbers
    (4) Hexadecimal numbers
    (5) Binary numbers

165. Which of the following is not included in the four strategies to assign objective, strategy and budget to each SBU as per BCG growth share matrix ?
    (1) invest   (2) divest
    (3) harvest   (4) hold
    (5) bold

166. _____ is not the stage of product life cycle in marketing ?

(1) maturity   (2) growth
(3) introduction
(4) decline
(5) planning

167. The marketing concept for a cluster of complimentary products and services that are closely related in the minds of consumers but are sproad across a diverse set of industries, is _____
    (1) Metamarket
    (2) Synchronized marketing
    (3) Vertical integration
    (4) Horizontal integration
    (5) Beta Market

168. _____ includes boot firmware and power management.
    (1) CD-ROM
    (2) Internal buses
    (3) BIOS
    (4) Chip set
    (5) RAM

169. In case of open ended scheme, the mutual funds shall publish in a daily newspaper of all india circulation atleast once in _____ the sale and repurchase priceoff units
    (1) a week   (2) three days
    (3) two days   (4) a fortnight
    (5) a month

170. _____ is not a basic element of marketing mix.
    (1) promotion (2) place
    (3) price   (4) product
    (5) publication

171. What is an on-screen display listing of available options or functions on a computer ?
    (1) document (2) view
    (3) tool   (4) format
    (5) menu

172. Which concept is practiced for the products that buyers normally do not think of buying, such as insurance ?
    (1) other than those given as options
    (2) trading concept
    (3) selling concept
    (4) product concept
    (5) production concept

173. Compact disk that can store approximately 650-800 MB of data or 74-80 minutes of music are _____
    (1) Zip disks   (2) CD-ROM
    (3) Video cards
    (4) Pressing machines
    (5) floppy diskettes

174. What do we call a network elements may be separated by some distance ? It usually involves two or more networks and dedicated high speed telephone lines
    (1) LAN   (2) WAN
    (3) URL   (4) Server
    (5) World wide web

175. Printing orientation that is wider that it is taller is _____.
    (1) portrait concentration
    (2) icon   (3) page set
    (4) landscape orientation
    (5) wide-angle

176. A collection of various programs that helps control your computer is called ___.
    (1) System software
    (2) Application software
    (3) Microsoft Excel
    (4) Microsoft word
    (5) Microsoft outlook

177. Social marketing emerged during the year
    (1) 1982   (2) 1972
    (3) 1961
    (4) Other than those given as options
    (5) 1951

178. Which of the following is a parameter for determining competitive position of company's products ?
    (1) Historical profit margins
    (2) Market growth rate
    (3) Market share rate
    (4) Overall market size
    (5) Number of brands in portfolio

179. _____ is the standard input device of most computers.
    (1) scanner   (2) joystick
    (3) speaker   (4) microphone
    (5) keyboard

180. What is MS-Word ?
(1) it is a calculating tool
(2) it is a planning tool
(3) it is a chart
(4) it is a networking tool
(5) it is a document typing tool

181. _____ is considered as debit market securities
(1) fixed deposit of bank
(2) certificate of deposit
(3) shares stock
(4) preference stock
(5) mortagage loans

182. What is the temporary storage memory chips that form the computers primary work space? The contents are lost if power is disrupted.
(1) outputs   (2) windows
(3) ROM
(4) hard drive memory
(5) RAM

183. Computer software is ____.
(1) used only for output
(2) a computer peripheral
(3) used for input
(4) a set of instructions
(5) used only in operating systems

184. Which of the following does not come under 'general insurance' ?
(1) Marine insurance
(2) Fire insurance
(3) Life insurance
(4) Fidelity insurance
(5) Health insurance

185. What do we call for the arrangement when two or more computers physically connected by cables to share information or hardware ?
(1) URL   (2) Network
(3) server   (4) internet
(5) modem

186. In growth-share matrix approach of boston consulting group _____ are businesses with weak market share in low-growth market generating low profit.
(1) Stars
(2) other than those given as options

(3) Dogs
(4) Question marks
(5) cash cows

187. A word or (words) used in computing in a search to match a desired topic is called
(1) ID name   (2) hint
(3) password   (4) user
(5) keyword

188. What is a stored question about information in database ?
(1) Query   (2) sort
(3) report   (4) record
(5) field

189. Merritt lynch uses a symbol of bull to implify strength and leadership. This is an example of _____ in service marketing ?
(1) Visualization
(2) other than those given as options
(3) association
(4) documentation
(5) physical representation

190. Which of the following is a tax saving mutual fund scheme ?
(1) Gilt fund (2) ELSS
(3) Debt funds
(4) gold funds
(5) balanced funds

191. Formatting a disk means —
(1) programming the disk so data on it can't be erased
(2) cleaning the disks from any dust contaminates
(3) Installing an operating system on it
(4) setting up sections on the disk to store the files in
(5) installing files on it

192. Keyboard shortcut for CUT command is ____
(1) Ctrl + W   (2) Ctrl + Y
(3) Ctrl + Z   (4) Ctrl + X
(5) Ctrl + V

193. The main circuit board in the computer that connects the parts of the computer is the—
(1) Mother board
(2) Father board
(3) Match board

(4) Hard Drive
(5) Special sound

194. Dividing the market into segments and charging the same price for every one in a segment is known as _____
(1) steaming pricing
(2) cost based pricing
(3) personal pricing
(4) group pricing
(5) individual pricing

195. What is the name of the device that links your computer with other computers and information services through telephone lines ?
(1) Modem   (2) LAN
(3) URL   (4) WAN
(5) Server

196. ____ provides hard copy output on paper.
(1) Mouse   (2) keyboard
(3) LCD monitor
(4) Scanner   (5) Printer

197. What is the validity period for the certificate of registration issued by SEBI for investment advisors for mutual funds ?
(1) 4 years   (2) 5 years
(3) 3 years   (4) 2 years
(5) 1 year

198. _____ concept holds that firms must strive to deliver value to customers in a way that maintains or improves both the consumers as well as society's well being.
(1) product
(2) societal networking
(3) selling   (4) marketing
(5) equity

199. The financial contracts whose value are obtained from the values of underlying assets are
(1) Bonds   (2) mortgages
(3) derivatives
(4) stocks
(5) commercial papers

200. When backed by an ability to pay, want for specific product becomes _____
(1) need
(2) satisfaction
(3) other than those given as options
(4) demand   (5) esteem

ANSWERS

1. (4)	2. (4)	3. (5)	4. (3)
5. (4)	6. (1)	7. (3)	8. (5)
9. (4)	10. (1)	11. (2)	12. (3)
13. (2)	14. (3)	15. (3)	16. (2)
17. (1)	18. (3)	19. (4)	20. (2)
21. (2)	22. (4)	23. (4)	24. (5)
25. (2)	26. (2)	27. (2)	28. (1)
29. (1)	30. (3)	31. (3)	32. (4)
33. (5)	34. (2)	35. (5)	36. (5)
37. (3)	38. (3)	39. (5)	40. (2)
41. (5)	42. (4)	43. (3)	44. (3)
45. (5)	46. (5)	47. (4)	48. (3)
49. (2)	50. (2)	51. (1)	52. (5)
53. (3)	54. (3)	55. (3)	56. (2)
57. (1)	58. (1)	59. (4)	60. (1)
61. (2)	62. (5)	63. (4)	64. (2)
65. (5)	66. (1)	67. (4)	68. (4)
69. (3)	70. (2)	71. (1)	72. (2)
73. (5)	74. (4)	75. (4)	76. (5)
77. (4)	78. (1)	79. (2)	80. (3)
81. (5)	82. (2)	83. (3)	84. (5)
85. (2)	86. (5)	87. (3)	88. (1)
89. (4)	90. (1)	91. (2)	92. (3)
93. (4)	94. (3)	95. (1)	96. (4)
97. (5)	98. (5)	99. (3)	100. (1)
101. (1)	102. (3)	103. (4)	104. (4)
105. (5)	106. (3)	107. (2)	108. (3)
109. (4)	110. (2)	111. (2)	112. (3)
113. (5)	114. (1)	115. (5)	116. (3)
117. (2)	118. (2)	119. (5)	120. (1)
121. (2)	122. (3)	123. (5)	124. (4)
125. (1)	126. (2)	127. (4)	128. (3)
129. (1)	130. (5)	131. (4)	132. (2)
133. (3)	134. (3)	135. (2)	136. (4)
137. (5)	138. (4)	139. (1)	140. (1)
141. (4)	142. (5)	143. (3)	144. (2)
145. (1)	146. (5)	147. (1)	148. (3)
149. (2)	150. (4)	151. (4)	152. (3)
153. (5)	154. (1)	155. (2)	156. (4)
157. (3)	158. (2)	159. (1)	160. (5)
161. (2)	162. (4)	163. (5)	164. (1)
165. (1)	166. (5)	167. (1)	168. (3)
169. (1)	170. (5)	171. (5)	172. (3)
173. (2)	174. (2)	175. (4)	176. (2)
177. (2)	178. (3)	179. (5)	180. (5)
181. (2)	182. (5)	183. (4)	184. (3)
185. (2)	186. (3)	187. (5)	188. (1)
189. (3)	190. (2)	191. (4)	192. (4)
193. (1)	194. (4)	195. (1)	196. (5)
197. (2)	198. (2)	199. (3)	200. (4)

EXPLANATIONS

1. (4) Jim Corbett National Park is located in Nainital district of Uttarakhand. It is the oldest national park in India and was established in 1936 as Hailey National Park to protect the endangered Bengal tiger. It was named after Jim Corbett who played a key role in its establishment.

2. (4) The Banking Ombudsman is a senior official appointed by the Reserve Bank of India to redress customer complaints against deficiency in certain banking services. The Banking Ombudsman Scheme was introduced under Section 35 A of the Banking Regulation Act, 1949 by RBI with effect from 1995.

3. (5) Copenhagen is the capital and most populated city of Denmark. It is situated on the eastern coast of Zealand, east of Odense and northwest of Malmo, Sweden. Founded as a fishing village in the 10th century, Copenhagen became the capital of Denmark in the early 15th century.

4. (3) Bank's assets comprises cash, money at short notice, bills and securities discounted, bank's investments in government securities, loans sanctioned by the bank, etc. Besides, Bank's cash in hand, cash with other banks and cash with central bank (RBI) are its assets.

5. (4) UNICEF is headquartered in New York City, USA. It is a United Nations Program that provides long-term humanitarian and developmental assistance to children and mothers in developing countries. It was created by the UN General Assembly on December 11, 1946.

6. (1) 'The Odyssey of My Life' has been authored by Shivraj V. Patil, the Speaker of the 11th Lok Sabha from 1991 to 1996. He served as Union Minister of Home Affairs from 2004 to 2008. The book provides in-depth look at the workings of the Congress party.

7. (3) Union HRD Minister Smriti Irani, in January 2015, laid the foundation stone for IIM-Visakhapatnam (IIM-V) at Gambheeram village. The IIM-Bangalore is the mentor institution for the IIM-V. It is the first of the Central premier institutions to be established in the State of Andhra Pradesh under the provisions of the AP Reorganisation Act 2014.

8. (5) Beagle 2 is a British landing spacecraft that formed part of the European Space Agency's 2003 Mars Express mission. Beagle 2 is named after HMS Beagle. It was located intact on the surface of Mars in a series of images from NASA's Mars Reconnaissance Orbiter HiRISE instrument in January 2015.

9. (4) The Ministry of Water Resources, River Development and Ganga Rejuvenation, observed India Water Week from 13 to 17th of January 2015. The water week was themed "Water Management for Sustainable Development." Australia was the partner country for the event.

10. (1) Oil & Natural Gas Corporation (ONGC), Dehradun on 19 January 2015 won the 10th Savio Cup All India Basketball tournament. In the final clash played at Don Bosco School court in Matunga, Mumbai, ONGC defeated Indian Overseas Bank (IOB), Chennai 63-53.

11. (2) Nepal on January 16, 2015 named veteran Nepali Congress leader and former minister Deep Kumar Upadhyay

as its new ambassador to India. The post was lying vacant since August 2011 when the Maoist-led government called back Rukma Shukshere Rana.

12. (3) Army Day is celebrated on 15 January every year in India. It is celebrated in recognition of Lieutenant General (later Field Marshal) K. M. Cariappa's taking over as the first Commander-in-Chief of the Indian Army from General Sir Francis Butcher, on 15 January 1949.

13. (2) Hyderabad-based Indian Immunologicals Limited (IIL), in October 2014, announced launch of its vaccine 'Raksha-Blu' for blue tongue disease among sheep, goats, camels and cattle. It is the first vaccine on blue tongue to be manufactured in India.

14. (3) In 2011, the child sex ratio (0-6) stands at 919 female against 1000 male in comparison to 927 females in 2001. It was 927 females in 2001. The overall sex ratio of population in the country in 2011 stood at 943 female against 1000 males.

15. (3) Nirbhay can strike targets more than 700 kms away. It is being developed by the Defence Research and Development Organisation (DRDO). Nirbhay has good loitering capability, good control and guidance, high degree of accuracy in terms of impact and very good stealth features.

16. (2) As per the 2014 data, China is the largest producer of gold in the world. Australia, Russia, USA, and Canada, come next. 60% of Chinese gold production comes from five provinces: Shandong, Henan, Jiangxi, Yunnan and Fujian.

17. (1) Film producer Pahlaj Nihalani was appointed the chairperson of the CBFC,

along with nine new members, in January 2015. CBFC is a statutory body under the Ministry of Information And Broadcasting. It regulates the public exhibition of films under the provisions of the Cinematograph Act 1952.

18. (3) A credit reference agency is a business which provides information relevant to the financial standing of individuals, 'being information collected... for that purpose.' This latter part of the definition means that banks cannot be such agencies, even though they do provide such information, because the information collected by them is obtained as part of the ordinary part of their business (Business Law by *Douglas Smith, Richard D Lawson, A. A. Painter*).

19. (4) The proportion of economically active population (15-59 years) has increased from 53.4 to 56.3 percent during 1971 to 1981 and 57.7 to 62.5 per cent during 1991 to 2011. At the national level, the age group 15-59 contributes 61.0 percent in rural areas and 66.6 percent population in urban areas

20. (2) China, on 31 December 2014, successfully launched Fengyun-II 08, its meteorological satellite, from Xichang Satellite Launch Center in Sichuan Province. A Long March-3A rocket carried the satellite. The launch marked the 203rd mission for the Long March rocket family.

21. (2) The financial system in India is regulated by independent regulators in the field of banking, insurance, capital market, commodities market, and pension funds. Securities and Exchange Board of India (SEBI) regulates the securities market in India. Established in 1988, it was

given statutory powers on 12 April 1992 through the SEBI Act, 1992.

22. (4) The Sivalik Hills extend west from Arunachal Pradesh through Bhutan to West Bengal, and further westward through Nepal and Uttarakhand, continuing into Himachal Pradesh and Kashmir. They are the southernmost and geologically youngest east-west mountain chain of the Himalayas.

23. (4) PLA stands for People's Liberation Army. It is the armed forces of the People's Republic of China (PRC). It is the world's largest military force, with strength of approximately 2,285,000 personnel, 0.18% of the country's population.

24. (5) The Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act (SARFAESI) is used as an effective tool by banks for recovery of bad loans or non-performing assets (NPAs). SARFAESI is effective only for secured loans where bank can enforce the underlying security e.g. hypothecation, pledge and mortgages.

25. (2) The RBI on 15 January 2015 decided to cut the Repo Rate under the liquidity adjustment facility (LAF) by 0.25 per cent to 7.75 per cent with a view to boost growth. Repo rate is the rate at which the RBI lends money to commercial banks in the event of any shortfall of funds.

26. (2) NASA's Goddard Institute for Space Studies (GISS) claimed that 2014 was the warmest year on record. In the annals of climatology, 2014 surpassed 2010 as the warmest year. However, it emerged on 18 January 2015 that GISS's analysis was subject to a margin of error.

27. (2) Mohiniattam is a classical dance form of Kerala. Believed to have originated in 16th century CE, it is one of the eight Indian classical dance forms recognized by the Sangeet Natak Akademi. It a very graceful form of dance meant to be performed as solo recitals by women.

28. (1) Muhammad Yunus, a Bangladeshi social entrepreneur and economist, was awarded the Nobel Peace Prize in 2006 for founding the Grameen Bank and pioneering the concepts of microcredit and microfinance. These loans are given to entrepreneurs too poor to qualify for traditional bank loans.

29. (1) The renminbi is the official currency of the People's Republic of China. The yuan is the basic unit of the renminbi, but is also used to refer to the Chinese currency generally in international contexts. Renminbi was the world's 8th most traded currency in 2013.

30. (3) The Export Credit Guarantee Corporation of India (ECGC) provides insurance cover in respect of risks in export trade. With respect to export credit, it provides protection against commercial risks such as insolvency of Buyer, protracted **default**, non-acceptance of goods shipped in addition to covering political risk of war, civil war, exchange transfer delay etc.

31. (3) Microsoft Edge, initially developed under the codename Project Spartan, is a web browser in development by Microsoft. It will replace Internet Explorer as the default browser on Windows 10 PCs, smartphones and tablets. It was officially unveiled on January 21, 2015.

32. (4) Manohar Parrikar is the current Defence Minister of India. Before being inducted into the Council of Ministers of the Union Government on 9 November 2014, he was Chief Minister of Goa, first from 2000 to 2005. He belongs to the Bharatiya Janata Party (BJP).

33. (5) A mortgage loan is a secured loan in which the collateral is property, such as a home. Under a mortgage, ownership of an asset is transferred (by way of security for the loan) on the express or implied condition that it will be returned when the loan is repaid.

34. (2) The Asian News International (ANI) is an Indian news agency based in New Delhi that provides multimedia news to 50 bureaus in India and most of South Asia. Coverage includes general news, entertainment, lifestyles, business, science, sports and features.

35. (5) The Government of India, on 16 January 2015, launched the 'Venture Capital Fund for Scheduled Castes' with initial capital of Rs. 200 crore. IFCI Ltd. will act as Sponsor, Settler and Asset Management Company (AMC) / Nodal Agency to operate the scheme.

36. (5) Loan-To-Deposit Ratio (LTD) commonly used statistic for assessing a bank's liquidity by dividing the banks total loans by its total deposits. It is used to calculate a lending institution's ability to cover withdrawals made by its customers.

37. (3) RBI, in July 2014, said that lending for affordable housing means loans eligible under priority sector, and loans up to Rs 50 lakh to individuals for houses costing up to Rs 65 lakh located in the 6 metropolitan cities of Mumbai, New Delhi, Chennai, Kolkata, Bengaluru and Hyderabad. For other areas, it covers loans of Rs 40 lakh for houses with values up to Rs 50 lakh.

38. (3) According to Section 13 of the Negotiable Instruments Act 1881, "A negotiable instrument means a promissory note, bill of exchange or cheque payable either to order or to bearer." The Demand Draft is a pre-paid Negotiable Instrument, wherein the drawee bank undertakes to make payment in full when the instrument is presented by the payee for payment.

39. (5) Weightlifter Jimjang Deru of Arunachal Pradesh, in January 2015, created a national record by lifting 238 kg in the under 56 kg category at the 10th Youth National Weightlifting Championship held in Yamuna Nagar, Haryana. He broke his own record set at the 9th Youth National Weightlifting Championship held at Guwahati in 2014.

40. (2) The two earth like planets are Kepler-438b and Kepler-442b. Both orbit red dwarf stars that are smaller and cooler than our Sun. Kepler-438b circles its star every 35 days, while Kepler-442b completes one orbit every 112 days. These were found in the "Goldilocks zone" of orbit – at just the right temperature for water.

41. (5) **Tide over** = to help somebody during a difficult period by providing what they need

42. (4) **Entrust (Verb)** = to make somebody responsible for doing something or taking care of somebody.

43. (3) **Apart from** = except for; in addition to.

44. (3) **Factor** = one of several things that cause or influence something.

45. (5) **Rapidly** = done or happening quickly.

47. (4) Here, concrete road ... should be used.

48. (3) Here, modern/new ... should be used.

49. (2) Here, inexperienced ∴.. should be used.

50. (2) Here, hesitant/afraid ... should be used.

55. (3) **Qualified/Qualify (Adjective/Verb)** = having the practical knowledge or skills; having passed the exam; to reach the standard of ability needed to do something.
Look at the sentences :
They qualified for the world cup.
He failed to qualify.

56. (2) **Warn (Verb)** = to tell somebody about something, especially something dangerous or unpleasant; caution.

57. (1) **Dynamic (Adjective)** = having a lot of energy; always changing and making progress.

59. (4) **Frantically (Adverb)** = unable to control your emotions; done quickly and with a lot of activity; hectically; crazily.
Calmly = quietly; without nervousness.
Look at the sentences :
They worked frantically to finish on time.
"I will call the doctor", he said calmly.

66. (1) Here, one night a friddle fox was ..... should be used.

67. (4) It is preposition related error. Hence, living in the city ..... should be used.

68. (4) Here, he was scared of chickens ..... should be used.

69. (3) Past simple (passive) :
Subject + was/were + V_3
Hence, that a bone was stuck ..... should be used.

70. (2) Here, noisy (Adjective) animals (Noun) who ..... should be used because an adjective qualifies a noun.

81. (5) Let the number be x.
According to the question,

$$\frac{1}{3} \times \frac{1}{7} \times x = 15$$

$$\Rightarrow x = 3 \times 7 \times 15 = 315$$

$$\therefore \frac{2}{5} \text{ of } 315 = \frac{315 \times 2}{5} = 126$$

82. (2) Let the principal be Rs. x.

$$\text{S.I.} = \frac{\text{Principal} \times \text{Time} \times \text{Rate}}{100}$$

$\therefore$ According to the question,

$$\frac{x \times 4 \times 18}{100} - \frac{x \times 2 \times 22}{100} = 427$$

$$\Rightarrow \frac{72x}{100} - \frac{44x}{100} = 427$$

$$\Rightarrow \frac{28x}{100} = 427$$

$$\Rightarrow 28x = 42700$$

$$\Rightarrow x = \frac{42700}{28} = \text{Rs. } 1525$$

S.I. for 4 years

$$= \frac{1525 \times 4 \times 18}{100} = \text{Rs. } 1098$$

$\therefore$ Required amount
= Rs. (1525 + 1098)
= Rs. 2623

83. (3) Speed of train–A

$$= \frac{\text{Length of train A and platform}}{\text{Time taken in crossing}}$$

$$= \left(\frac{328 + 354}{11}\right) \text{ m/sec}$$

$$= \left(\frac{682}{11}\right) \text{ m/sec} = 62 \text{ m/sec}$$

$\therefore$ Speed of train–B $= \frac{7}{8} \times 62$

$$= \left(\frac{217}{4}\right) \text{ m/sec.}$$

If the length of train–B be x metre, then

$$\frac{217}{4} = \frac{x + 354}{12}$$

$$\Rightarrow 217 = \frac{x + 354}{3}$$

$$\Rightarrow x + 354 = 217 \times 3 = 651$$

$$\Rightarrow x = 651 - 354 = 297 \text{ metre}$$

84. (5) In village X,
Males = $11x$
Females = $7x$
In village Y,

$$\text{Males} = \frac{11x \times 120}{100}$$

$$\text{Females} = \frac{7x \times 88}{100}$$

$\therefore$ Required ratio

$$= \left(\frac{11x \times 120}{100}\right) : \left(\frac{7x \times 88}{100}\right)$$

$$= 15 : 7$$

85. (2) Radius of first circular field = r metre (let)
According to the question,

$$\frac{\pi r^2}{\pi \times 16 \times 16} = \frac{25}{64} \Rightarrow \frac{r^2}{16} = \frac{25}{4}$$

$$\Rightarrow r^2 = \frac{25 \times 16}{4} = 100$$

$$\Rightarrow r = \sqrt{100} = 10 \text{ metre}$$

86. (5) According to the question,
$16X = 5Y$ --- (i)
$Y - 8 = 2X + 10$
$\Rightarrow Y - 2X = 18$

$$\Rightarrow \frac{16X}{5} - 2X = 18$$

$$\Rightarrow 16X - 10X = 90$$

$$\Rightarrow 6X = 90 \Rightarrow X = \frac{90}{6} = 15$$

$\therefore 16X = 5Y$
$\Rightarrow 16 \times 15 = 5Y$

$$\Rightarrow Y = \frac{16 \times 15}{5} = 48$$

$\therefore X + Y = 15 + 48 = 63$

87. (3) Total number of pages printed by all printers on Thursday = 219 + 233 + 158 + 256 + 284 = 1150
$\therefore$ Required number of pages printed on Saturday

$$= \frac{1150 \times 118}{100} = 1357$$

88. (1) Required ratio

= (233 + 243) : (291 + 297)

= 476 : 588

= 17 : 21

89. (4) Number of pages printed by printers M and O on Monday

= 196 + 254 = 450

Number of pages printed by printers N and Q on Friday

= 289 + 271 = 560

∴ Required sum

$$= \frac{58 \times 450}{100} + \frac{560 \times 65}{100}$$

= 261 + 364 = 625

90. (1) Required per cent

$$= \frac{172}{100} \times 100 = \frac{215}{3} = 71\frac{2}{3}$$

91. (2) Required average

$$= \frac{169 + 141 + 223 + 256 + 251}{5}$$

$$= \frac{1040}{5} = 208$$

92. (3) C.P. of article = Rs. x (let)

∴ Marked price $= \frac{125x}{100}$

$= $ Rs. $\frac{5x}{4}$

According to the question,

$$\frac{5x}{4} \times \frac{94}{100} = 10340$$

⇒ 5x × 94 = 10340 × 400

⇒ $x = \frac{10340 \times 400}{5 \times 94}$ = Rs. 8800

93. (4) C.P. of mixture

$$= \frac{100}{108} \times 71.28$$

= Rs. 66/litre

By rule of alligation,

Variety-I   Variety-II

Rs. 52   Rs. 74

Rs. 66

(74 – 66) = Rs. 8   (66 – 52) = Rs. 14

∴ Required ratio = 8 : 14

= 4 : 7

94. (3) Breadth of rectangle

= x metre (let)

∴ Length = (x + 17) metre

According to the question,

2 (x + 17 + x) = 106

⇒ 2x + 17 = $\frac{106}{2}$ = 53

⇒ 2x = 53 – 17 = 36

⇒ $x = \frac{36}{2}$ = 18 metre = Breadth

∴ Length = 18 + 17

= 35 metre

∴ Area of rectangle

= 35 × 18 = 630 sq. metre

95. (1) Let respective present ages of A, B and C be 6x, 7x and 9x years.

According to the question,

After 5 years,

6x + 7x + 9x + 15 = 81

⇒ 22x = 81 – 15 = 66

⇒ $x = \frac{66}{22}$ = 3

∴ B's present age = 7x = 7 × 3

= 21 years

96. (4) On opening the three pipes simultaneously,

Part of tank filled in 1 hour

$$= \frac{1}{10} + \frac{1}{16} - \frac{1}{40}$$

$$= \frac{8 + 5 - 2}{80} = \frac{11}{80}$$

∴ Required time = $\frac{80}{11}$

$= 7\frac{3}{11}$ hours

97. (5) (A + B)'s monthly income

= 7760 × 2 = Rs. 15520

(B + C)'s monthly income

= 2 × 10990 = Rs. 21980

(C + A)'s monthly income

= 2 × 9070 = Rs. 18140

On adding all three,

2 (A + B + C)'s monthly income

= Rs. (15520 + 21980 + 18140)

= Rs. 55640

∴ (A + B + C)'s monthly income

$$= \frac{55640}{2} = \text{Rs. } 27820$$

∴ B's monthly income

= Rs. (27820 – 18140)

= Rs. 9680

∴ B's annual income

= Rs. (12 × 9680)

= Rs. 116160

98. (5) Let the principal be Rs. P.

∴ $A = P\left(1 + \frac{R}{100}\right)^T$

According to the question,

$14112 = P\left(1 + \frac{R}{100}\right)^2$ (i)

$16934.40 = P\left(1 + \frac{R}{100}\right)^3$ (ii)

On dividing equation (ii) by (i),

$$\frac{16934.40}{14112} = 1 + \frac{R}{100}$$

$$⇒ 1 + \frac{R}{100} = 1.2$$

From equation (i),

14112 = P (1.2)²

$$⇒ P = \frac{14112}{1.2 \times 1.2} = \text{Rs. } 9800$$

99. (3) Initial amount with Mr. Sharma = Rs. x (let)

Amount received by Mr. Sharma and wife in percent = 34%

Remaining amount

= x × (100 – 34)%

$= $ Rs. $\frac{66x}{100}$ = Rs. $\frac{33x}{50}$

According to the question,

$$\frac{8 \times 33x}{15 \times 50} - \frac{7 \times 33x}{15 \times 50} = 3806$$

$$⇒ \frac{33x}{15 \times 50} = 3806$$

$\Rightarrow 33x = 3806 \times 15 \times 50$

$\Rightarrow x = \dfrac{3806 \times 15 \times 50}{33}$

$= \text{Rs. } 86500$

100. (1) Let, $415 = a$
and $223 = b$

$\therefore\ ? = \dfrac{(a+b)^2 + (a-b)^2}{a^2 + b^2}$

$= \dfrac{2(a^2 + b^2)}{a^2 + b^2} = 2$

101. (1) $\dfrac{349 + 503}{35.5} + 428 = \dfrac{?}{9}$

$\Rightarrow \dfrac{852}{35.5} + 428 = \dfrac{?}{9}$

$\Rightarrow 24 + 428 = \dfrac{?}{9}$

$\Rightarrow 452 = \dfrac{?}{9}$

$\Rightarrow ? = 452 \times 9 = 4068$

102. (3) $?^2 = \left(86 - \dfrac{742}{53}\right) \div 2$

$= (86 - 14) \div 2 = 72 \div 2 = 36$

$\therefore\ ? = \sqrt{36} = 6$

103. (4) $\left(\dfrac{1496 - 392}{23}\right) \times 15 = 213 + ?$

$\Rightarrow \dfrac{1104}{23} \times 15 = 213 + ?$

$\Rightarrow 48 \times 15 = 213 + ?$

$\Rightarrow 720 = 213 + ?$

$\Rightarrow ? = 720 - 213 = 507$

104. (4) $9^2 \times \sqrt[4]{1296} - 254$

$= ? \times 9 + 124$

$\Rightarrow 81 \times 6 - 254 = ? \times 9 + 124$

$\Rightarrow 486 - 254 = ? \times 9 + 124$

$\Rightarrow 232 = ? \times 9 + 124$

$\Rightarrow ? \times 9 = 232 - 124 = 108$

$\Rightarrow ? = \dfrac{108}{9} = 12$

105. (5) $? = 5136 \div (523 + 333)$ of

$\dfrac{3}{4} + 459$

$= 5136 \div \left(856 \times \dfrac{3}{4}\right) + 459$

$= 5136 \div 642 + 459$

$= 8 + 459 = 467$

106. (3) $(64 + 36)(64 - 36) = ? \times 25$

$\Rightarrow 100 \times 28 = ? \times 25$

$\Rightarrow ? = \dfrac{100 \times 28}{25} = 112$

107. (2) $\dfrac{2}{3} - \dfrac{5}{7} \times \dfrac{21}{23} \times \dfrac{46}{51}$

$= ? \times \dfrac{8}{85}$

$\Rightarrow \dfrac{2}{3} - \dfrac{10}{17} = ? \times \dfrac{8}{85}$

$\Rightarrow \dfrac{34 - 30}{51} = ? \times \dfrac{8}{85}$

$\Rightarrow \dfrac{4}{51} = ? \times \dfrac{8}{85}$

$\therefore\ ? = \dfrac{4}{51} \times \dfrac{85}{8} = \dfrac{5}{6}$

108. (3) $4^3 \times 2^6 \times 8^{\frac{2}{3}} = 2^?$

$\Rightarrow \left(2^2\right)^3 \times 2^6 \times \left(2^3\right)^{\frac{2}{3}} = 2^?$

$\Rightarrow 2^6 \times 2^6 \times 2^2 = 2^?$

$\Rightarrow 2^{6+6+2} = 2^?$

$\Rightarrow 2^{14} = 2^? \Rightarrow ? = 14$

109. (4) $? = \dfrac{\sqrt{180 \times 18 \times 5 \times 3}}{\sqrt{96} \times 5}$

$= \dfrac{18 \times 5 \times \sqrt{6}}{\sqrt{96} \times 5} = \dfrac{18}{\sqrt{16}} = \dfrac{18}{4}$

$= \dfrac{9}{2} = 4\dfrac{1}{2}$

110. (2) $\dfrac{2560}{32} + \dfrac{23}{45} \times 855$

$= \dfrac{7 \times ?}{11} + 391$

$\Rightarrow 80 + 437 = \dfrac{7 \times ?}{11} + 391$

$\Rightarrow 517 - 391 = \dfrac{7 \times ?}{11}$

$\Rightarrow 126 = \dfrac{7 \times ?}{11}$

$\Rightarrow ? = \dfrac{126 \times 11}{7} = 198$

111. (2) $\dfrac{156.25}{12.5} \times \dfrac{1000}{2500} = \dfrac{?}{28}$

$\Rightarrow 5 = \dfrac{?}{28} \Rightarrow ? = 5 \times 28 = 140$

112. (3) $\left(\sqrt{337 + \sqrt{561 + \sqrt{225}}}\right) + ?$

$= \dfrac{576}{8}$

$\Rightarrow \left(\sqrt{337 + \sqrt{561 + 15}}\right) + ? = 72$

$\Rightarrow \sqrt{337 + \sqrt{576}} + ? = 72$

$\Rightarrow \sqrt{337 + 24} + ? = 72$

$\Rightarrow \sqrt{361} + ? = 72$

$\Rightarrow 19 + ? = 72$

$\Rightarrow ? = 72 - 19 = 53$

113. (5)

$? = 13^2 - \sqrt{1764} \times \sqrt{625} \div 21$

$= 169 - 42 \times 25 \times \dfrac{1}{21}$

$= 169 - 50 = 119$

114. (1) $\dfrac{150 \times 240}{100} + \dfrac{125 \times 1684}{100}$

$= (? - 345) \times 493$

$\Rightarrow 360 + 2105 = (? - 345) \times 493$

$\Rightarrow \dfrac{2465}{493} = ? - 345$

$\Rightarrow 5 = ? - 345$

$\Rightarrow ? = 345 + 5 = 350$

115. (5) The pattern is :
$319 + 1^3 = 319 + 1 = 320$
$320 + 3^3 = 320 + 27 = 347$
$347 + 5^3 = 347 + 125 = 472$
$472 + 7^3 = 472 + 343 = 815$

$815 + 9^3 = 815 + 729 = \boxed{1544}$

116. (3) The pattern is :
$12 \times 0.5 + 0.5 = 6 + 0.5 = 6.5$
$6.5 \times 1 + 1 = 6.5 + 1 = 7.5$
$7.5 \times 1.5 + 1.5 = 11.25 + 1.5$
$= 12.75$
$12.75 \times 2 + 2 = 25.5 + 2 = 27.5$
$27.5 \times 2.5 + 2.5 = 68.75 + 2.5$

$= \boxed{71.25}$

117. (2) The pattern is :
$5 \times 1 + 1 = 5 + 1 = 6$
$6 \times 2 + 2 = 12 + 2 = 14$
$14 \times 3 + 3 = 42 + 3 = 45$
$45 \times 4 + 4 = 180 + 4 = \boxed{184}$
$184 \times 5 + 5 = 920 + 5 = 925$

118. (2) The pattern is :
$112 + 1 \times 5 = 112 + 5 = 117$
$117 + 2 \times 5 = 117 + 10 = 127$
$127 + 3 \times 5 = 127 + 15 = 142$
$142 + 4 \times 5 = 142 + 20 = 162$
$162 + 5 \times 5 = 162 + 25 = \boxed{187}$

119. (5) The pattern is :
$4 \times 2 - 1 = 8 - 1 = 7$
$7 \times 3 - 1 = 21 - 1 = 20$
$20 \times 4 - 1 = 80 - 1 = 79$
$79 \times 5 - 1 = 395 - 1 = \boxed{394}$
$394 \times 6 - 1 = 2364 - 1 = 2363$

120. (1) Ratio of investments of A and B
$= 3 : 5 = 6 : 10$
Ratio of investments of B and C
$= 10 : 13$
∴ Ratio of investments of A, B and C
$= 6 : 10 : 13$
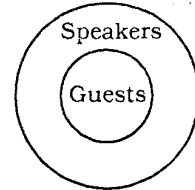Let the total annual profit be Rs. x.
∴ According to the question,
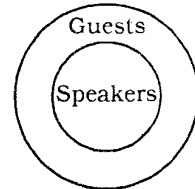$$\frac{13 \times x}{6 + 10 + 13} = 5876$$
$$\Rightarrow \frac{13x}{29} = 5876$$
$$\Rightarrow x = \frac{5876 \times 29}{13} = Rs.13108$$

(121 – 125) :

dress code for meeting → dk pd jn td

wear black formal dress → pd ro ld te

formal meeting this weekend → yi te dk vr

black code this weekend → jn vr ld yi

121. (2) te ⇒ formal
122. (3) dress ⇒ pd
123. (5) ld ⇒ black
124. (4) code ⇒ jn
The code for 'security' may be 'ux'.
125. (1) weekend ⇒ yi/vr

(126-130) :
(i) All drums are flutes → Universal Affirmative (A-type).
(ii) Some speakers are guests → Particular Affirmative (I-type).
(iii) No guest is dignitary → Universal Negative (E-type).
(iv) Some guests are not dignitaries → Particular Negative (O-type).

126. (2) All guitars are drums.
All drums are flutes.
A + A ⇒ A- type of Conclusion
"All guitars are flutes."
This is Conclusion I.
Therefore, Option (2) is the answer.

127. (4) Some speakers are guests.
No guest is a dignitary.
I + E ⇒ O - type of Conclusion
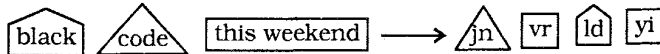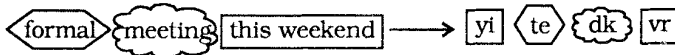"Some speakers are not dignitaries."
Venn diagrams of "Some guests are speakers" :

According to the Venn diagram II, all guests are speakers. Therefore, neither Conclusion I nor Conclusion II follows. Thus, Option (4) is the answer.

128. (3) No vessel is a spade.
All spades are tools.
E + A ⇒ O_1-type of Conclusion
"Some tools are not vessels."
Conclusion II is the second Premise.
Therefore, Option (3) is the answer.

129. (1) Some machines are users.
All users are senders.
I + A ⇒ I-type of Conclusion
"Some machines are senders."
This is Conclusion II.
Conclusion I is the Converse of the first Premise.
Therefore, Option (1) is the answer.

130. (5) Both the Premises are Particular Affirmative (I-type).

No Conclusion follows from the two Particular Premises. Therefore, Option (5) is the answer.

131. (4) S = A ≤ P > R ≤ T < U

Conclusions :

I. U > A : Not True

II. S ≤ T : Not True

(12-13) :

P ≥ Q < R = M

R ≥ F

P ≥ Q < R = M ≥ F

132. (2) **Conclusions :**

I. M ≥ F : True

II. F > P : Not True

133. (3) **Conclusions :**

I. F < Q : Not True

II. P ≥ M : Not True

134. (3) T ≥ O = I ≥ L = D

Conclusions :

I. D < T : Not True

II. D = T : Not True

D is either smaller than or equal to T. Therefore, either Conclusion I or Conclusion II is true.

135. (2) J < C = T ≥ U ≥ R = N

Conclusions :

I. N < C : Not True
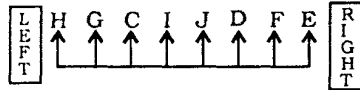
II. U > J : Not True

136. (4)

1	2	3	4	5	6	7	8
S	E	N	T	E	N	C	E

Specified Letters ⇒ S, T, N, E

Meaningful Words ⇒ SENT, NEST

137. (5) 2 9 [7] 3 4 5 6 1 8
        9 8 [7] 6 5 4 3 2 1

138. (4)

3 12 1 25 5 4
C   L   A   Y   E D

(139-144) :

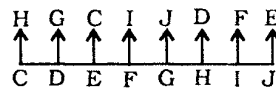L E F T H G C I J D F E R I G H T

139. (1) H and E are seated at the extreme ends of the line.

140. (1) Only D sits between F and J.

D and E are immediate neighbours of F.

Only E sits to the right of F.
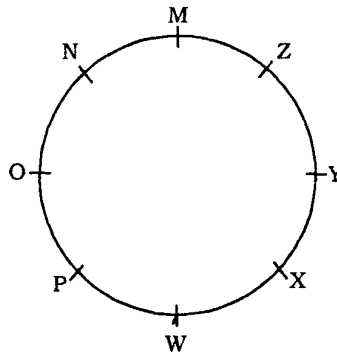
F is to the immediate left of E.

141. (4)

H G C I J D F E
C D E F G H I J

142. (5) J is fourth to the right of H.

143. (3) Four persons – C, I, J and D – are seated between G and F.

144. (2) Fourth from the left ⇒ I

Third from the right ⇒ D

J sits between I and D.

(145 – 150) :

145. (1) In anticlockwise direction

M —+3→P —+3→Y —+3→N —+3→W

In clockwise direction

Z —+3→W —+3→N —+3→Y —+3→P

146. (5) N and Z are immediate neighbours of M.

147. (1) X is to the immediate left of Y.

Z sits third to the right of W.

Y sits second to the left of M.

P sits second to the left of X.

148. (3) Three persons sit between M and W.

149. (2) M sits third to the left of P.

150. (4) N sits just opposite X. In all others, the first person sits second to the right of the second person.

151. (4) [2 | Perfect Square]

39 [24] 759 2 8 1 4 9 5 3 1 6 5

7 3 4 [29] 81 36 281 75 45

152. (3) According to question the new sequence would be :

3 9 7 5 9 1 9 5 3 1 [5] 7 3 9 1 3 1 7 5 5

10th from the right end

153. (5) [4 | 5 or 6 or 7 or 8 or 9]

392 [47] 5 9 2 8 1 [49] 5 3 1

6 5 7 3 4 2 9 8 1 3 6 2 8 1 7 5

[45]

154. (1) 7th to the left of 17th from the left means 10th from the left

3 9 2 4 7 5 9 2 8 [1] 4 9 5 3 . . .

10th from the left end

155. (2) [Odd digit | 3 | Even digit]

3 9 2 4 7 5 9 2 8 1 4 9 5 3 1 6 5

[734] 298 [136] 281 75 45

156. (4) F A C T
        F S H Y
        F E O N
        F A C E
        F W E B

157. (3) E O N ⇒ O E N
        A C E ⇒ C A E
        S H Y ⇒ H S Y
        A C T ⇒ C A T
        W E B ⇒ E W B

158. (2)
```
A C T ⇒ B C U
S H Y ⇒ T H Z
E O N ⇒ F O O
A C E ⇒ B C F
W E B ⇒ X E C
```

159. (1)
```
D   O   U   B   T
↓   ↓   ↓   ↓   ↓
$   #   3   5   &
B   O   N   E   S
↓   ↓   ↓   ↓   ↓
5   #   @   6   7
```

Therefore,
```
S   T   O   N   E
↓   ↓   ↓   ↓   ↓
7   &   #   @   6
```

160. (5)

☐ , ☐ > E > ☐ , ☐

B > A > D

C > B > E > A > D

A ran the second slowest.

161. (2) A bus is a subsystem that transfers data between computer components inside a computer or between computers. Each bus defines its set of connectors to physically plug devices, cards or cables together. Buses connect the CPU to various internal components and to expansion cards for graphics and sound.

162. (4) As per the Investment Advisors Regulation of SEBI, every applicant shall pay non-refundable application fees of Rs. 5,000/ along with the application for grant or renewal of certificate of registration. The fee structure and capital adequacy requirement for getting registered as an investment adviser is as under:

Category of the Applicant	Amount in Rs.		
	Application Fee* (in Rs.)	Registration/Renewal Fee* (in Rs.)	Capital Adequacy
Individual/Partnership Firm	5,000/-	10,000/-	1,00,000/-
Body Corporate/Limited Liability Partnership Firm	25,000/-	5,00,000/-	25,00,000/-

163. (5) Diversification is a corporate strategy to enter into a new market or industry which the business is not currently in, whilst also creating a new product for that new market. Product diversification involves addition of new products to existing products either being manufactured or being marketed.

164. (1) Bytes are used to measure both computer memory (RAM) and the storage capacity of floppy disks, CD-ROM drives, and hard drives. The byte is a unit of digital information that most commonly consists of eight bits. The term byte was coined by Werner Buchholz in July 1956.

165. (1) Based on the BCG Growth-Share Matrix, company has to decide what objective, strategy, and budget should be assigned to each SBU. The following strategies are possible: Growth (Build); Maintain position (Hold); Harvest or milk; Liquidation (Terminate, Divest).

166. (5) The product life cycle has 4 very clearly defined stages, each with its own characteristics that mean different things for business that are trying to manage the life cycle of their particular products. They are: Introduction Stage; Growth Stage; Maturity Stage; Decline Stage.

167. (1) The concept of metamarket describes a cluster of complementary products and services that are closely related in the minds of consumers but are spread across a diverse set of industries. For example, the automobile metamarket consists of automobile manufacturers, new car and used car dealers, financing companies, insurance companies, spare part dealers, etc.

168. (3) The BIOS (Basic Input Output System) includes boot firmware and power management firmware. The Basic Input Output System tasks are handled by operating system drivers. Newer motherboards use Unified Extensible Firmware Interface (UEFI) instead of BIOS.

169. (1) As per the Securities and Exchange Board of India (Mutual Funds) Regulations, 1996

- The price at which the units may be subscribed or sold and the price at which such units may at any time be repurchased by the mutual fund shall be made available to the investors.
- The mutual fund, in case of open ended scheme, shall at least once a week publish in a daily newspaper of all India circulation, the sale and repurchase price of units.

170. (5) The 4Ps make up a typical marketing mix: Price, Product, Promotion and Place. Each element of the marketing mix ideally supports the others. Firms modify each element in the marketing mix to establish an overall brand image and unique selling point that makes their products stand out from the competition.

171. (5) Menus have functions that we use to travel or to help with a menu. The Available Functions/Options screen displays the functions that we can use on any given menu.

172. (3) The selling concept is practiced most aggressively with unsought goods that buyers normally do not think of buying such as insurance, encyclopedias, and funeral plots. Most firms practise the selling concept when they have overcapacity. Their aim is to sell what they make rather than make what the market wants.

173. (2) CD-ROMS are compact disks that can store approximately 650-800 MB of data or 74-80 minutes of music. Most software programs today are shipped on CD-ROMs instead of floppy disks. These drives are read only and cannot be used for recording data.

174. (2) A wide area network (WAN) is a telecommunications network, usually used for connecting computers, which spans a wide geographical area. Most WANs connect different LANs together using high-speed solutions or telephone lines. The Internet is in essence a very large WAN.

175. (4) Landscape orientation is when the page orientation prints on a horizontal page which means that the page is wider than it is taller. Portrait orientation is when the page orientation prints on a vertical page, which means that the page is taller than it is wide.

176. (2) Application software is a set of computer programs designed to permit the user to perform a group of coordinated functions, tasks, or activities. Application software cannot run on itself but is dependent on system software to execute. Examples of application software include a word processor, a spreadsheet design, etc.

177. (2) The concept of Social Marketing emerged in 1972, promoting a more socially responsible, moral and ethical model of marketing. It was introduced in an article by Philip Kotler, "What consumerism means for marketers" in the Harvard Business Review Journal.

178. (3) The BCG Matrix selects relative market share as an indicator of the strength of the competitive position. Market share indicates how well a firm is doing in the marketplace compared to its competitors. It is the breakup of market size in percentage terms, to help identify the top players, the middle and the "minnows" of the marketplace, based on the volume of business conducted.

179. (5) Most computer operating systems and by extension programming languages have identified the keyboard as the standard input device and the monitor as the standard output device. Often the keyboard and monitor are treated as the default device when no other specific device is indicated.

180. (5) Microsoft Word is a word processor developed by Microsoft. It is a graphical word processing program that users can type with. The purpose of the MS Word is to allow the users to type and save documents. It has helpful tools to make documents.

181. (2) Debt securities are interest-paying bonds, notes, bills, or money market instruments that are issued by governments or corporations. Examples of debt securities include bonds, certificates of deposit, commercial paper, and debentures.

182. (5) Volatile memory is the memory that loses its contents when the power is turned off. All RAM except the CMOS RAM used for the BIOS is volatile. ROM, on the other hand, is nonvolatile. RAM is typically used as a primary storage or main memory in computer systems.

183. (4) Computer software or simply software is any set of machine-readable instructions that directs a computer's processor to perform specific operations. Computer software contrasts with computer hardware, which is the physical component of computers.

184. (3) Insurance other than 'Life Insurance' falls under the category of General Insurance. General Insurance comprises of insurance of property against fire, burglary etc, personal insurance such as Accident and Health Insurance, and liability insurance which covers legal liabilities.

185. (2) When two or more computers are connected with one another for the purpose of communicating data electronically, it is called a network. In computer networks, networked computing devices pass data to each other along network links (data connections). The best-known computer network is the Internet.

186. (3) Dogs represent businesses having weak market shares in low-growth markets. They neither generate cash nor require huge amount of cash. Due to low market share, these business units face cost disadvantages.

187. (5) Keywords are used to retrieve documents in an information system, for instance,

a catalog or a search engine. They are also known as index term, subject term, subject heading, or descriptor, in information retrieval.

188. (1) A query is a question or inquiry posed to the database about information stored in it. For example, a Microsoft Access query is a question that a user asks about the information stored in the Access tables.

189. (3) In service marketing, the Merrill Lynch bull is an example of promotional strategy based on association. Association creates an image by connecting the service with a tangible good, person, object or place. Merrill Lynch uses the symbol of a bull to imply strength and leadership apart from showing a strong commitment to client's financial performance.

190. (2) Equity Linked Savings Scheme (ELSS) is one of the most popular tax saving mutual funds schemes. It is a popular Section 80C investment. Section 80C of the Income Tax Act allows us to claim deductions from our taxable income by investing in certain investments.

191. (4) Hard disks, which are the primary storage devices on our computer, need to be formatted before we can use them. Formatting a disk means configuring the disk with a file system so that Windows can store information on the disk. This involves partitioning which creates sections where file systems can be added.

192. (4) Ctrl + X is a key combination used for the Cut operation in computers. In many software applications on Win-

dows, it is used to cut highlighted mutable text to the clipboard. Ctrl + V pastes the cut text/image.

193. (1) A Motherboard is the main printed circuit board (PCB) found in computers to which all components such as sound cards, video cards, network cards, hard drives, etc are connected. It holds and allows communication between many of the crucial electronic components of a system, such as the CPU and memory, and provides connectors for other peripherals.

194. (4) Group pricing is a third-degree price differentiation that divides the market in segments and charges the same price for everyone in each segment. This is essentially a heuristic approximation that simplifies the problem in face of the difficulties with personalized pricing. A typical example is student discounts.

195. (1) A modem (modulator-demodulator) is a peripheral device to send data over telephone lines from a computer to other computers and information services.. It turns the digital data of a computer into modulated electrical signal for transmission over telephone lines and demodulated by another modem at the receiver side to recover the digital data.

196. (5) Hard copy output devices are printers and plotters. They are used to produce final drawings and documentation on paper. Printers usually provide hard copies of text as well as graphics.

197. (2) As per SEBI (Investment Advisers) Regulations, 2013 the certificate of registration

remains valid for five years or till suspended. Investment Adviser has to apply for renewal of its registration certificate to SEBI, at least 3 months before the expiry of the validity of the certificate, if it wishes to continue as a registered investment adviser.

198. (2) The **societal marketing** is a marketing concept that holds that a company should make marketing decisions by considering consumers' wants, the company's requirements, and society's long-term interests. It holds that the organization's task is to determine the needs, wants, and interests of a target market and to deliver the desired satisfactions more effectively and efficiently than competitors in a way that enhances the consumer's and the society's well-being.

199. (3) Derivatives are financial contracts whose value is derived from some underlying asset. These assets can include equities and equity indices, bonds, loans, interest rates, exchange rates, commodities, residential and commercial mortgages, etc. The contracts come in many forms, but the more common ones include options, forwards/futures and swaps.

200. (4) Demand is want for specific product backed by an ability to pay. It is the quantity of a good or service that consumers are willing and able to buy at a given price in a given time period. In business, companies must measure not only how many people want their product but also how many would actually be willing and able to buy it. ❐❐❐