

Held on: 01-03-2009 (Morning Shift)

SBI Associates Bank Clerical Exam

(Based on Memory)

Test-I

General Awareness

- Which of the following is NOT a part of India's Money Market?
1) Bill Markets
2) Call Money Market
3) Banks
4) Mutual Funds
5) Indian Gold Council
- Which of the following is the objective of the project "Bhoomi Keralam" launched by the State Government?
1) To conduct a survey of the land
2) To bring those people back who have left the State and settled in other States
3) To provide financial security to farmers who are in distress
4) To identify those tribals who need jobs or financial assistance
5) None of these
- Which of the following States introduced a high tech food grain rationing system to ensure timely supply of the foodgrains to people living below poverty line?
1) Maharashtra 2) Tamil Nadu 3) Delhi
4) West Bengal 5) Karnataka
- Which of the following countries adopted its new constitution recently?
1) Bangladesh 2) Mexico 3) South Africa
4) North Korea 5) None of these
- Which of the following is/are NOT the feature(s) of India's Foreign Trade Policy (2004 to 2009)?
A. To double India's percentage share of global trade from present 0.7 per cent to 1.5 per cent by 2009
B. Simplifying the procedures and bringing down the cost.
C. Make SAARC countries India's most preferred foreign trade partners by 2009.
1) Only (A) 2) Only (B)
3) Only (C) 4) All (A), (B) and (C)
5) Only (A) and (C)
- Which of the following States will soon have its first Civil Airports?
1) Jammu and Kashmir 2) Maharashtra
3) Assam 4) Meghalaya
5) Sikkim
- Which of the following was/were the objective(s) of the Mission Chandrayaan 1?
A. Preparing dimensional atlas of the lunar surface
B. Chemical Mapping of the entire lunar surface
C. Locating minerals in the soil of the moon
1) Only (A) 2) Only (B)
3) Only (C) 4) All (A), (B) and (C)
5) None of these
- Which of the following States got its first Rail link recently?
1) Haryana 2) Arunachal Pradesh
3) Sikkim 4) Manipur
5) Jammu and Kashmir
- Who amongst the following made the 41st Test Century of his career recently?
1) Saurav Ganguly 2) V.V.S. Laxman
3) Rahul Dravid 4) Sachin Tendulkar
5) None of these
- Stephen Harper whose name was in news recently is the
1) President of Canada
2) Prime Minister of Canada
3) President of Italy
4) Prime Minister of Switzerland
5) Foreign Minister of U.S.A.
- Barack Hussein Obama belongs to which of the following political parties?
1) Republican
2) Democratic
3) Labour
4) American National Congress
5) None of these
- Which of the following awards was given to Pt. Bhimsen Joshi recently (in 2008)?
1) Padma Bhushan
2) Sangit Natak Academy Award
3) Maharashtra Bhushan
4) Karnataka Ratna
5) Bharat Ratna
- Which of the following State Government has announced that it will provide a special package of incentives to Employment Intensive Industries?
1) Punjab 2) Karnataka 3) Tamil Nadu
4) Uttar Pradesh 5) Bihar
- Who amongst the following is the author of the book "The Exile"?

- 1) B.G. Verghese 2) Philip Roth 3) Aravind Adiga
4) Navtej Sarna 5) None of these
15. Which of the following nations has decided to increase its cooperation in the field of energy with India?
1) Russia 2) China 3) Bangladesh
4) Nepal 5) Japan
16. Which of the following is NOT a fertiliser product?
1) Urea 2) Murate of Potash
3) Di Amonium Phosphate 4) Calcium Carbonate
5) All are fertilisers
17. Which of the following programmes has been implemented in all the districts of the country?
1) Sarva Siksha Abhiyan
2) Navodaya Vidhyalay
3) Ultra Mega Power Project
4) Rajiv Gandhi Grameen Vidyuthikaran Yojana
5) National Rural Employment Guarantee Programme
18. The third India Brazil and South Africa (IBSA) Summit took place in which of the following cities recently?
1) Brasilia 2) New Delhi 3) Sun City
4) Salvador 5) Durban
19. A Rs 35,000 crore JSW Steel Plant project was inaugurated in West Bengal recently. The project is setup/developed in
1) Singur 2) Nandigram 3) Salboni
4) Malda 5) Joynagar
20. The Government of India decided to provide a bonus price of Rs 50 per quintal on which of the following products over and above its minimum support price of Rs 850 per quintal?
1) Wheat 2) Paddy 3) Sugarcane
4) Cotton 5) None of these
21. Mohammed Anni Nasheed is the newly elected President of
1) Fiji 2) Maldives 3) Iraq
4) Iran 5) None of these
22. Which of the following is/are the measure(s) taken by the Reserve Bank of India (RBI) to ease the liquidity crunch in the country?
A. Cut in Cash Reserve Ratio and Statutory Liquidity Ratio.
B. Increase the flow of foreign direct investment.
C. Supply of additional currency notes in the market.
1) Only (A) 2) Only (B)
3) Only (C) 4) All (A), (B) and (C)
5) None of these
23. Who amongst the following is the winner of the Nobel Prize of Literature 2008?
1) Jean Marie Gustave Le Clezio
2) Martti Ahtisaari
3) Yoichiro Nambu
4) Françoise Barre Sinoussi
5) None of these
24. A national level commission of India has asked about twenty States to setup which of the following commissions in their States as early as possible?
1) Farmers Commission
2) Women Commission
3) Child Welfare Commission
4) Law Commission
5) None of these
25. Which of the following States has decided to setup Arsenic Removal Plants in all the districts of the State to enable itself to provide arsenic free drinking water to all the people by 2010-11?
1) Karnataka 2) Kerala 3) West Bengal
4) Orissa 5) Maharashtra
26. Which of the following services is NOT provided by the post offices of India?
1) Savings Bank Scheme
2) Retailing of Mutual Funds
3) Sale of Stamp Papers (Judicial)
4) Issuance of Demand Drafts
5) Life Insurance Cover
27. Which of the following diseases is not covered under Integrated Disease Surveillance project?
1) Cholera 2) Tuberculosis
3) AIDS 4) Polio
5) Cancer
28. Tzipi Livni whose name was in news recently is from which of the following countries?
1) Singapore 2) South Korea 3) Austria
4) Israel 5) None of these
29. Who amongst the following is the author of the book 'The Namesake'?
1) Vikram Seth 2) V.S. Naipaul
3) Arun Fhagat 4) Anita Desai
5) Jhumpa Lahiri
30. The National Games scheduled in 2011 will be organised in _____
1) Bangaluru 2) Goa 3) Kolkata
4) Kochi 5) Jaipur
31. Alena D'mintiva of Russia won which of the following titles of tennis after defeating Dinara Safina?
1) China Open 2) Japan Open
3) New Zealand Open 4) Sydney International
5) None of these
32. Who amongst the following is the Minister of Home Affairs in Union Cabinet of India at present?
1) Shivraj Patil 2) Lalu Prasad Yadav
3) P. Chidambaram 4) Sharad Pawar
5) None of these
33. Dronacharya Award is given for excellence in
1) Literary work 2) Social service
3) Coaching in Sports 4) Journalism
5) None of these

34. India's Space Rocket Launching Centre is in
 1) Port Blair 2) Hassan 3) Tirupati
 4) Kochi 5) Sri Harikota
35. Besides USA India has signed Nuclear Agreement with which of the following countries and is named as "Cooperation Agreement for Peaceful uses of Nuclear Energy"?
 1) Italy 2) Germany 3) France
 4) Canada 5) Australia
36. "Merdeka Cup" is associated with the game of....
 1) Badminton 2) Football 3) Hockey
 4) Golf 5) Tennis
37. Which of the following is TRUE about "Antyodaya Anna Yojana"?
 A. Scheme is for Below Poverty Line families
 B. People are provided cooked meals under the scheme
 C. All beneficiaries of National Rural Employment Guarantee Act are covered in this scheme
 1) Only (A) 2) Only (B)
 3) Only (C) 4) All (A), (B) and (C)
 5) None of these
38. World Ozone day is observed on
 1) 16th September 2) 16th October
 3) 16th November 4) 26th September
 5) 26th October
39. Which of the following is NOT a Government sponsored organisation?
 1) Small Industries Development Bank of India
 2) NABARD
 3) National Housing Bank
 4) ICICI Bank
 5) All are government sponsored
40. Which of the following state governments, in January 2009, created a new record in the country's power sector by signing three separate memorandums of understanding on a single day?
 1) Himachal Pradesh 2) Assam
 3) Karnataka 4) Andhra Pradesh
 5) None of these

Test II

English Language

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

Keshava, the washerman had a donkey. They worked together all day, and Keshava would pour out his heart to the donkey. One day, Keshava was walking home with the donkey when he felt tired. He tied the donkey to a tree and sat down to rest for a while, near a school. A window was open, and through it, a teacher could be heard scolding the students. 'Here I am, trying to turn you donkeys into human beings,

but you just won't study!' As soon as Keshava heard these words, his ears pricked up. A man who could actually turn donkeys into humans! This was the answer to his prayers. Impatiently, he waited for school to be over that day. When everyone had gone home, and only the teacher remained behind to check some papers, Keshava entered the classroom.

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

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

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

41. Which of the following can be said about the teacher?
 1) He had the ability to transform animals into human beings
 2) He took advantage of Keshava's simple nature
 3) He had plotted with the village headman to cheat Keshava
 4) He enjoyed teaching children though he was poorly paid
 5) He was honest and used Keshava's money to care for the donkey
42. Why did Keshava talk to his donkey while working?
 1) He wanted to practise his communication skills because he wanted to make friends
 2) To entertain himself because he found his work monotonous

- 3) The donkey helped him to find answers to his problems
 4) He regarded the donkey as his friend and confided in him
 5) He believed the donkey to be a human being in disguise
43. How did Keshava get his donkey back?
 1) He threatened to take the teacher to the village elders
 2) The sage forced the teacher to release the donkey
 3) He asked the village headman for help
 4) The teacher returned it on learning that Keshava had learnt his lesson
 5) None of these
44. Which of the following is NOT true in the context of the passage?
 (A) The donkey was over burdened by the teacher.
 (B) The teacher was cunning by nature.
 (C) The sage laughed at Keshava and treated him unkindly.
 1) Both (A) and (C) 2) Both (B) and (C)
 3) Only (B) 4) All (A), (B) and (C)
 5) None of these
45. Why was Keshava keen to meet the teacher one day?
 1) Keshava wanted to ask the teacher how to make his donkey a better companion
 2) He wanted to learn more prayers as he was devout
 3) He had been reliably informed that the teacher had changed donkeys into human beings
 4) He heeded the teacher's words of advice and wanted to study
 5) None of these
46. Why did Keshava interrupt the discussion among the village elders?
 1) He did not agree with their views on different issues
 2) To confront the headman who had cheated him out of one thousand rupees
 3) He wanted them to get justice for him
 4) He was looking for the donkey and wanted to ask for directions
 5) None of these
47. What made Keshava pull the sage's beard?
 1) He wanted to wake up the sage who was a sleep under the tree
 2) The headman requested him to move the sage from under the tree
 3) He wanted the sage to explain what had happened to the donkey
 4) He misunderstood the village headman and took the sage to be his donkey
 5) None of these
48. Why did the teacher ask Keshava to leave the donkey with him for six months?
 (A) He realised that the donkey would require a lot of training.

- (B) To reduce Keshava's dependence on the donkey.
 (C) He wanted to rescue the donkey from Keshava who did not know to treat the donkey properly.

- 1) None 2) Only (B)
 3) Both (A) and (B) 4) Only (C)
 5) None of these

Directions (Q. 49-50): Choose the word which is MOST SIMILAR in MEANING to the word printed in bold as used in the passage.

49. **trick** 1) joke 2) skill 3) mislead
 4) technique 5) lunny
50. **remained** 1) pending 2) waited 3) lasted
 4) survived 5) continued

Directions (Q. 51-52): Choose the word which is MOST OPPOSITE in MEANING to the word printed in bold as used in the passage.

51. **real** 1) false 2) imitated 3) dishonest
 4) imagine 5) genuine
52. **deep** 1) low 2) distracted 3) flat
 4) awake 5) sleep

Directions (Q. 53-57): Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the phrase printed in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and 'No Correction is Required', mark (5) as the answer.

53. The company has set up a foundation which helps students who do not have the necessary funds to study ahead.
 1) further to study
 2) of studying more
 3) to study onward
 4) for higher studies
 5) No Correction Required
54. If this land is used to cultivate crops it will be additionally source of income for the villagers.
 1) a source of additional
 2) an additionally source
 3) an additional source
 4) additionally the source
 5) No Correction Required
55. **Belonged to** this cadre, you are eligible for facilities such as free air travel and accommodation.
 1) since you belong to
 2) whoever belongs
 3) for belonging to
 4) to belong in
 5) No Correction Required
56. The bank has hired a consultant who will look into any issues which arise during the merger.

- 1) is looking over
 2) will be looked after
 3) will look out
 4) looks down on
 5) No Correction Required

57. I had severe doubts about if I successfully run a company, but my father encouraged me.
 1) if I am successful in
 2) how should I successfully
 3) whether I could successfully
 4) that I would succeed to
 5) No Correction Required

Directions (Q. 58-62): In each question below a sentence with four words printed in bold type is given. These are lettered as (1), (2), (3) and (4). One of these four words printed in bold may be either wrongly spelt or inappropriate in the context of the sentence. Find out the word which is wrongly spelt or inappropriate if any. The letter of that word is your answer. If all the words printed in bold are correctly spelt and also appropriate in the context of the sentence, mark (5) i.e. 'All Correct' as your answer.

58. RBI has attempted to spend financial awareness through this programme. All Correct
 1) 2) 3) 4)
 5)

59. In order to succeed it is crucial for an organisation to constantly improve. All Correct
 1) 2)
 3) 4) 5)

60. With some assistance from her son she was enable to settle her debts on time. All Correct
 1) 2)
 3) 4) 5)

61. Though the government initiated a large sum of money in the scheme it was a failure. All Correct
 1) 2)
 3) 4) 5)

62. We have prepared a detailed report giving various solutions to resort the problem. All Correct
 1) 2)
 3) 4) 5)

Directions (Q. 63-67): Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) I was pleased by their reaction.
 (B) Writing my speech was easy, but I was unsure if I could motivate the employees to donate to those affected by the earthquake.
 (C) Instead of throwing out their unusable articles, they had transferred them to my office in the name of donations.

- (D) When a reputed company invited me to deliver a lecture on Corporate Social Responsibility, I agreed.
 (E) It was an affluent company and the well dressed employees who met me afterwards promised to send lots of donations to my office.

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

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

- 1)(B) 2)(C) 3)(D)
 4)(E) 5)(F)

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

- 1)(A) 2)(B) 3)(C)
 4)(D) 5)(E)

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

- 1)(A) 2)(B) 3)(C)
 4)(D) 5)(E)

66. Which of the following should be the **LAST (SIXTH)** sentence after rearrangement?

- 1)(B) 2)(C) 3)(D)
 4)(E) 5)(F)

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

- 1)(A) 2)(B) 3)(C)
 4)(D) 5)(E)

Directions (Q. 68-62): Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is (5). (Ignore errors of punctuation, if any.)

68. He has travelled / all over the world / yet he speaks / several languages fluently. No error
 1) 2) 3)
 4) 5)

69. A successful company is / any that makes a good / profit and provides / high returns to its shareholders. No error
 1) 2)
 3) 4) 5)

70. The agreement on / which all of us have / worked so hard will / be sign tomorrow. No error
 1) 2) 3)
 4) 5)

71. It is necessarily to maintain / a record of all transactions / in case the auditors / want to see it. No error
 1) 2)
 3) 4) 5)

72. Very few young trainees / willingly undertake / a posting to a branch / located in a rural area. No error
 1) 2)
 3) 4) 5)

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

Today, twenty-two years after the bank (73) it has over a thousand branches all over the country and the staff (74) about twenty-three lakh borrowers. We decided to operate (75) from conventional banks who would ask their clients to come to their office. Many people in rural areas found this (76). Our bank is therefore based on the (77) that people should not come to the bank but that the bank should go to the people. Our loans are also (78) we give them for activities from candle making to tyre repair. We also keep (79) checks on the borrower through weekly visits. We do this to make certain that the family of the borrower is (80) from the loan.

73. 1) origin 2) commence 3) existed
4) began 5) inaugurated
74. 1) assemble 2) cope 3) interact
4) deal 5) handle
75. 1) differently 2) similar 3) reverse
4) opposite 5) identically
76. 1) worried 2) upset 3) panicking
4) anxious 5) threatening
77. 1) principle 2) discipline 3) opportunity
4) chance 5) advantage
78. 1) worth 2) vary 3) disburse
4) contrast 5) diver
79. 1) consistently 2) regular 3) often
4) frequently 5) daily
80. 1) benefiting 2) serving 3) welfare
4) obliged 5) progress

Test III

Numerical Ability

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

81. $(786 \times 64) \div 48 = ?$
1) 1050 2) 1024 3) 1048
4) 1036 5) None of these
82. $\sqrt[3]{13824} \times \sqrt{?} = 864$
1) 1296 2) 1156 3) 1600
4) 1024 5) None of these
83. 60% of 20% of $\frac{3}{5}$ th of ? = 450
1) 6200 2) 6240 3) 6150
4) 6275 5) None of these
84. $196 \times 948 \div 158 = ?$
1) 1156 2) 1200 3) 1188
4) 1176 5) None of these

85. $3.5 + 11.25 \times 4.5 - 32.5 = ?$
1) 18.275 2) 21.625 3) 32.375
4) 25.45 5) None of these

86. $\frac{\sqrt{4096 \times 56}}{764 - 652} = ?$
1) .36 2) 48 3) 32
4) 44 5) None of these

87. $(98360 + 25845 - 36540) \div 2500 = ?$
1) 36.585 2) 30.082 3) 32.085
4) 35.066 5) None of these

88. $7414 + 3698 + 1257 + 1869 = ?$
1) 14328 2) 14438
3) 13428 4) 13248
5) None of these

89. $(91)^2 + (41)^2 - \sqrt{?} = 9858$
1) 11236 2) 10816
3) 10404 4) 9604
5) None of these

90. $(2640 \div 48) \times (2240 \div 35) = ?$
1) 3520 2) 3515 3) 3495
4) 3490 5) None of these

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

91. 121 117 108 92 67 ?
1) 31 2) 29 3) 41
4) 37 5) None of these
92. 50 26 14 ? 5 3.5
1) 6 2) 8 3) 10
4) 12 5) None of these
93. 3 23 43 ? 83 103
1) 33 2) 53 3) 63
4) 73 5) None of these
94. 748 737 715 682 638 ?
1) 594 2) 572 3) 581
4) 563 5) None of these
95. 1 9 25 49 81 ? 169
1) 100 2) 64 3) 81
4) 121 5) None of these
96. The ratio of ducks and frogs in a pond is 37 : 39 respectively. The average number of ducks and frogs in the pond is 152. What is the number of frogs in the pond?
1) 148 2) 152 3) 156
4) 144 5) None of these
97. In how many different ways can the letters of the word 'ARISE' be arranged?
1) 90 2) 60 3) 180
4) 120 5) None of these
98. The number of employees in Companies A, B and C are in a ratio of 4 : 5 : 6 respectively. If the number of employees in the Companies is increased by 25%, 30% and 50%

respectively, what will be the new ratio of employees working in Companies A, B and C respectively?

- 1) 13 : 10 : 18 2) 10 : 13 : 17
3) 13 : 15 : 18 4) Cannot be determined
5) None of these

99. The average of five positive numbers is 213. The average of the first two numbers is 233.5 and the average of last two numbers is 271. What is the third number?
1) 64 2) 56

- 3) 106 4) Cannot be determined
5) None of these

100. Sonali invests 15% of her monthly salary in insurance policies. She spends 55% of her monthly salary in shopping and on household expenses. She saves the remaining amount of Rs 12,750. What is Sonali's monthly income?
1) Rs 42,500 2) Rs 38,800 3) Rs 40,000
4) Rs 35,500 5) None of these

Directions (Q. 101-105): Study the following table carefully to answer the questions given below it.

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

Residents	A		B		C		D		E	
	% of Women	Total Residents	% of Women	Total Residents	% of Women	Total Residents	% of Women	Total Residents	% of Women	Total Residents
2002	44	250	35	280	35	200	40	180	40	220
2003	45	260	30	270	40	250	60	170	65	240
2004	35	240	45	300	45	260	70	200	50	250
2005	40	250	55	320	55	280	60	210	45	220
2006	50	220	50	300	55	240	65	220	50	240
2007	60	240	60	340	60	250	60	230	40	260

101. What is the difference between the total residents living in all the societies together in the year 2006 and the total residents living in all the societies together in the year 2007?

- 1) 100 2) 85 3) 70
4) 50 5) None of these

102. What is the average number of men living in all the societies together in the year 2005?

- 1) 110 2) 125 3) 115
4) 120 5) None of these

103. What is the respective ratio of men living in Society C in the year 2002 to the year 2003?

- 1) 15 : 13 2) 11 : 15 3) 15 : 11
4) 13 : 15 5) None of these

104. What is the average number of women living in all the societies together in the year 2005?

- 1) 130 2) 131 3) 125
4) 140 5) None of these

105. What is the respective ratio of the number of women to the total residents in Society E over the years?

- 1) 69 : 143 2) 344 : 715
3) 173 : 358 4) 346 : 717
5) None of these

106. What approximate amount of compound interest can be obtained on an amount of Rs 9,650 at the rate of 6.p.c.p.a. at the end of 3 years?

- 1) Rs 1737 2) Rs 1920 3) Rs 1720
4) Rs 1860 5) Rs 1843

107. A milkman sells 120 litres of milk for Rs 3,360 and he sells 240 litres of milk for Rs 6,120. How much concession does the trader give per litre of milk, when he sells 240 litres of milk?

- 1) Rs 2 2) Rs 3.5 3) Rs 2.5
4) Rs 1.5 5) None of these

108. When 3626 is divided by the square of a number and the answer so obtained is multiplied by 32, the final answer obtained is 2368. What is the number?

- 1) 7 2) 36 3) 49
4) 6 5) None of these

109. The sum of the digits of a two-digit number is 14. The difference between the first digit and the second digit of the two-digit number is 2. What is the product of the two digits of the two-digit number?

- 1) 56 2) 48 3) 45
4) Cannot be determined 5) None of these

110. A car runs at the speed of 50 kmph when not serviced and runs at 60 kmph, when serviced. After servicing the car covers a certain distance in 6 hours. How much time will the car take to cover the same distance when not serviced?

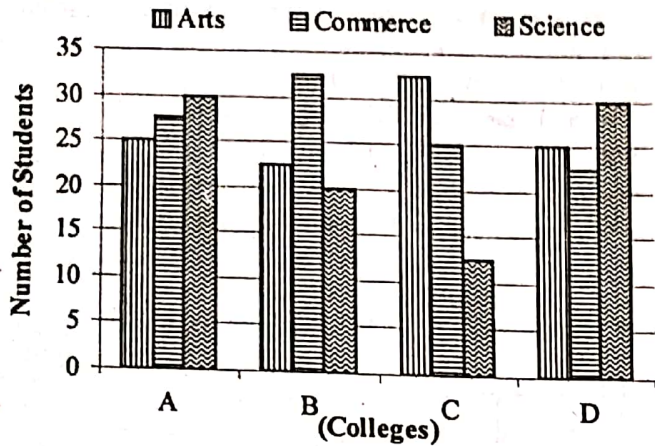
- 1) 8.2 hours 2) 6.5 hours 3) 8 hours
4) 7.2 hours 5) None of these

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SBI Associates Bank (Morning Shift), 01-03-2009

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

Number of Students from Various Faculties studying in Various Colleges (Number in Thousands)



111. What is the ratio of the number of students from the faculty of Arts studying in college C to the number of students from the faculty of Arts studying in college D?
 1) 13 : 9 2) 13 : 10 3) 9 : 13
 4) 10 : 13 5) None of these
112. What is the average number of students studying in college A from all the faculties together?
 1) 26000 2) 28500 3) 26500
 4) 27000 5) None of these
113. What is the average number of students from the faculty of Arts from all the colleges together?
 1) 26250 2) 27250 3) 27000
 4) 26500 5) None of these
114. The students from the faculty of Commerce studying in college B are approximately what per cent of the total number of students in the same college?
 1) 30 2) 35 3) 43
 4) 48 5) 53
115. What is the difference between the total number of students from the faculty of Commerce from all the colleges together and the total number of students from the faculty of Science from all the colleges together?
 1) 20000 2) 10000 3) 25000
 4) 15000 5) None of these

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

116. $\sqrt{964} \times \sqrt{348} = ?$
 1) 575 2) 570 3) 586
 4) 550 5) 579
117. $37.35 + 13.064 \times 3.46 = ?$
 1) 89 2) 83 3) 76
 4) 79 5) 85

118. $(4863 + 1174 + 2829) + 756 = ?$
 1) 18 2) 16 3) 12
 4) 9 5) 22
119. $54 \times 746 + 32 = ?$
 1) 1259 2) 1268 3) 1196
 4) 1248 5) 1236
120. $[(1.5)^2 \times (3.2)^2] + 2.3 = ?$
 1) 6 2) 4 3) 12
 4) 10 5) 16

Test-IV
Reasoning

121. How many meaningful three-letter English words can be formed with the letters AER, using each letter only once in each word?
 1) None 2) One 3) Two
 4) Three 5) Four
122. Each vowel of the word ADJECTIVE is substituted with the next letter of the English alphabetical series, and each consonant is substituted with the letter preceding it. How many vowels are present in the new arrangement?
 1) None 2) One 3) Two
 4) Three 5) None of these
123. In a certain code 'na pa ka so' means 'birds fly very high', 'ri so la pa' means 'birds are very beautiful' and 'ti me ka bo' means 'the parrots could fly'. Which of the following is the code for 'high' in that language?
 1) na 2) ka 3) bo
 4) so 5) None of these
124. If the digits in the number 86435192 are arranged in ascending order, what will be the difference between the digits which are second from the right and fourth from the left in the new arrangement?
 1) One 2) Two 3) Three
 4) Four 5) None
125. If it is possible to make only one meaningful word with the Third, Seventh, Eighth and Tenth letters of the word COMPATIBILITY, which of the following would be the last letter of that word? If no such word can be made, give 'X' as your answer and if more than one such word can be formed, give your answer as Y.
 1) I 2) B 3) L
 4) X 5) Y
126. In a certain code FINE is written HGPC. How is SLIT written in that code?
 1) UTGR 2) UTKR 3) TUGR
 4) RUGT 5) None of these
127. If in a certain language LATE is coded as 8&4\$ and HIRE is coded as 7★3\$ then how will HAIL be coded in the same language?
 1) 7&8★ 2) &7★8 3) 7★&8
 4) 7&★8 5) None of these

128. Four of the following five are alike, in a certain way and so form a group. Which is the one that does not belong to that group?

- 1) Stem 2) Tree 3) Root
4) Branch 5) Leaf

129. If 'Apple' is called 'Orange', 'Orange' is called 'Peach', 'Peach' is called 'Potato', 'Potato' is called 'Banana', 'Banana' is called 'Papaya' and 'Papaya' is called 'Guava', which of the following grows underground?

- 1) Potato 2) Guava 3) Apple
4) Banana 5) None of these

130. How many such pairs of letters are there in word ENGLISH, each of which has as many letters between its two letters as there are between them in the English alphabets?

- 1) None 2) One 3) Two
4) Three 5) More than three

Directions (Q. 131-135): In each of the questions below are given three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read both of the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Read the statements and the conclusions which follow it and

- Give answer 1) if only conclusion I is true.
Give answer 2) if only conclusion II is true.
Give answer 3) if either conclusion I or conclusion II is true.
Give answer 4) if neither conclusion I nor conclusion II is true.
Give answer 5) if both conclusions I and II are true.

131. Statements: All stars are suns.
Some suns are planets.
All planets are satellites.

Conclusions: I Some satellites are stars.
II No star is a satellite.

132. Statements: All curtains are rods.
Some rods are sheets.
Some sheets are pillows.

Conclusions: I Some pillows are rods.
II Some rods are curtains.

133. Statements: All switches are plugs.
Some plugs are bulbs.
All bulbs are sockets.

Conclusions: I Some sockets are plugs.
II Some plugs are switches.

134. Statements: All fishes are birds.
All birds are rats.
All rats are cows.

Conclusions: I All birds are cows.
II All rats are fishes.

135. Statements: Some walls are windows.
Some windows are doors.
All doors are roofs.

Conclusions: I Some doors are walls.
II No roof is a window.

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

489 541 654 953 783

136. If in each number, all the three digits are arranged in ascending order, which of the following will be the lowest number?

- 1) 489 2) 541 3) 654
4) 953 5) 783

137. If five is subtracted from each of the numbers, which of the following numbers will be the difference between the second digit of second highest number and the second digit of the highest number?

- 1) Zero 2) 3 3) 1
4) 4 5) 2

138. If in each number the first and the second digits are interchanged, which will be the third highest number?

- 1) 489 2) 541 3) 654 849, 45
4) 953 5) 783 593, 3

139. Which of the following numbers will be obtained if the first digit of lowest number is subtracted from the second digit of highest number after adding one to each of the numbers?

- 1) 1 2) 2 3) 3
4) 4 5) 5

140. If in each number, the first and the last digits are interchanged, which of the following will be the second highest number?

- 1) 489 2) 541 3) 654 984, 145
4) 953 5) 783 359, 3

Directions (Q. 141-145): Read the following information carefully and answer the questions, which follow :

'A - B' means 'A is father of B'.
'A + B' means 'A is daughter of B'.
'A × B' means 'A is son of B'.
'A ÷ B' means 'A is wife of B'.

141. How is P related to T in the expression 'P + S - T'?

- 1) Sister 2) Wife 3) Son
4) Daughter 5) None of these

142. In the expression 'P × Q - T' how is T related to P?

- 1) Daughter 2) Sister 3) Mother
4) Can't be determined 5) None of these

143. Which of the following means T is wife of P?

- 1) P × S + T 2) P ÷ S × T 3) P - S + T
4) P + T ÷ S 5) None of these

144. Which of the following means P is grandson of S?

- 1) P + Q - S 2) P + Q × S 3) P - Q + S
4) P × Q + S 5) None of these

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145. In the expression 'P + Q × T' how is T related to P?
 1) Mother 2) Father 3) Son
 4) Brother 5) None of these

Directions (Q. 146-150): In each question a group of letters is given followed by four combinations of number/symbol numbered 1), 2), 3) and 4). Letters are to be coded as per the scheme and conditions given below. You have to find out the serial number of the combination, which represents the letter group. Serial number of that combination is your answer. If none of the combinations is correct, your answer is 5) i.e. None of these.

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

Conditions:

- (i) If the first letter is a consonant and the last a vowel, both are to be coded as the code of the vowel.
- (ii) If the first letter is vowel and the last a consonant, the codes for the first and the last are to be interchanged.
- (iii) If no vowel is present in the group of letters, the second and the fifth letters are to be coded as ©.

146. BARNIS
 1) 92*#%4 2) 924#*% 3) 92*#%9
 4) 42*#%4 5) None of these
147. DMBNIA
 1) 6@9%#2 2) 2@9%#6 3) 2@9%#2
 4) 2©9%#2 5) None of these
148. LJBR LG
 1) #89*£\$ 2) #89*£# 3) \$89*£#
 4) \$89*£\$ 5) None of these
149. BKGQJN
 1) 9©\$7©% 2) ©9\$7%© 3) 91\$78%
 4) %1\$789 5) None of these
150. EGAKRL
 1) #£\$21* 2) £\$21*3 3) £\$21*#
 4) #£\$21# 5) None of these

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

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

and his friend A who is a Finance expert works for company X in which only two specialists work. No lady is a marketing specialist or a doctor.

151. Which of the following combinations is correct?
 1) C - Z - Engineer 2) E - X - Doctor
 3) H - X - HR 4) C - Y - Engineer
 5) None of these
152. For which of the following companies does C work?
 1) Y 2) X
 3) Z 4) Data inadequate
 5) None of these
153. Which of the following pairs represents the two ladies in the group?
 1) A and D 2) B and D
 3) D and G 4) Data inadequate
 5) None of these
154. Which of the following represents the pair working in the same company?
 1) D and C 2) A and B
 3) A and E 4) H and F
 5) None of these
155. Who amongst the friends is a doctor?
 1) H 2) E
 3) C 4) Either E or C
 5) None of these

Directions (Q. 156-160): In each of the questions given below which one of the five answer figures should come after the problem figures if the sequence were continued?

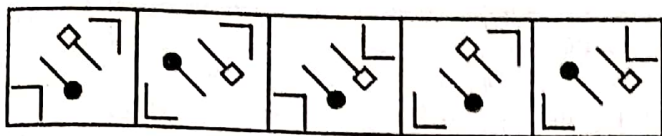
156. Problem Figures

Answer Figures

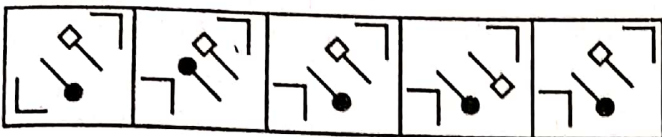
157. Problem Figures

Answer Figures

158. Problem Figures

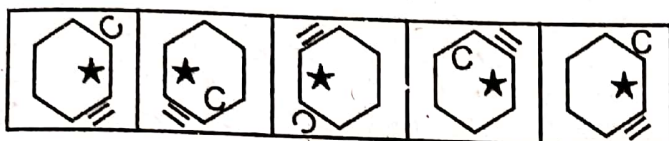


Answer Figures

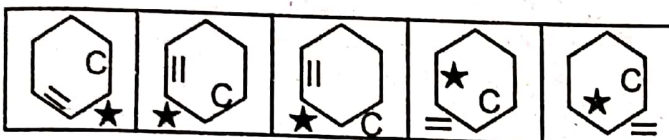


- 1) 2) 3) 4) 5)

159. Problem Figures

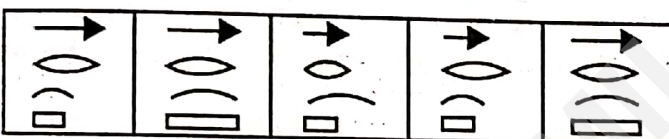


Answer Figures



- 1) 2) 3) 4) 5)

160. Problem Figures



Answer Figures



- 1) 2) 3) 4) 5)

Test V

Marketing Aptitude /
Computer Knowledge

161. Which of the following groups consist of only output devices?

- 1) Scanner, Printer, Monitor
2) Keyboard, Printer, Monitor
3) Mouse, Printer, Monitor
4) Plotter, Printer, Monitor
5) None of these

162. A(n) _____ contains commands that can be selected.

- 1) pointer 2) menu 3) icon
4) button 5) None of these

163. IT stands for _____

- 1) Information Technology
2) Integrated Technology

- 3) Intelligent Technology
4) Interesting Technology
5) None of these

164. Sending an e-mail is similar to _____

- 1) picturing an event 2) narrating a story
3) writing a letter 4) creating a drawing
5) None of these

165. A collection of related information sorted and dealt with as a unit is a _____

- 1) disk 2) data 3) file
4) floppy 5) None of these

166. An error is also known as _____

- 1) bug 2) debug 3) cursor
4) icon 5) None of those

167. A keyboard is this kind of device _____

- 1) black 2) input 3) output
4) word processing 5) None of these

168. Arithmetic operations _____

- 1) involve matching one data item to another to determine if the first item is greater than, equal to or less than the other item
2) sort data items according to standard, predefined criteria in ascending order or descending order
3) use conditions with operators such as AND, OR, and NOT
4) include addition, subtraction, multiplication, and division
5) None of these

169. Which part of the computer helps to store information?

- 1) Disk drive 2) Keyboard
3) Monitor 4) Printer
5) None of these

170. The process of a computer receiving information from a server on the Internet is known as _____

- 1) pulling 2) pushing 3) downloading
4) transferring 5) None of these

171. The rectangular area of the screen that displays a program, data, and/or information is a _____

- 1) title bar 2) button 3) dialog box
4) window 5) None of these

172. _____ is the process of carrying out commands.

- 1) Fetching 2) Storing 3) Executing
4) Decoding 5) None of these

173. Which of the following refers to the fastest, biggest and most expensive computers ?

- 1) Personal Computers 2) Supercomputers
3) Laptops 4) Notebooks
5) None of these

174. The role of a _____ generally is to determine a buyer's needs and match it to the correct hardware and software.

- 1) computer scientist
2) computer sales representative
3) computer consultant

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- 4) corporate trainer
5) None of these
175. Delivery Channel means _____
1) maternity wards
2) handing over the products to the buyers
3) places where products are made available to the buyers
4) All of these
5) None of these
176. Which is the part of a computer that one can touch and feel?
1) Hardware 2) Software 3) Programs
4) Output 5) None of these
177. A series of instructions that tells a computer what to do and how to do it is called a _____
1) program 2) command
3) user response 4) processor
5) None of these
178. Market Expansion means _____
1) hiring more staff
2) firing more staff
3) buying more products
4) buying more companies
5) growth in sales through existing and new products
179. Effective marketing helps in _____
1) developing new products
2) creating a competitive environment
3) building demand for products
4) All of these
5) None of these
180. Which part of the computer displays the work done?
1) RAM 2) printer
3) Monitor 4) ROM
5) None of these
181. Any data or instruction entered into the memory of a computer is considered as _____
1) storage 2) output 3) input
4) information 5) None of these
182. One of the methods for Market Monitoring is _____
1) to watch TV serials
2) to discuss with other sales persons
3) to monitor media outlets
4) All of these
5) None of these
183. Sources of Sales Leads are _____
1) Data Mining 2) Market Research
3) Media Outlets 4) Promotional Programs
5) All of these
184. Promotion in Marketing means _____
1) passing an examination
2) elevation from one grade to another
3) selling the products through various means
4) selling the product in specific areas
5) All of these

185. Microsoft Word is an example of _____
1) an operating system 2) a processing device
3) application software 4) an input device
5) None of these
186. Processing involves _____
1) inputting data into a computer system
2) transforming input into output
3) displaying output in a useful manner
4) providing relevant answers
5) None of these
187. A Call in Marketing means _____
1) to phone the customers
2) to visit the customers
3) to visit the Marketing site
4) to call on prospective customers
5) None of these
188. Value-Added Service means _____
1) costlier products
2) additional benefits at the same cost
3) extra work by the sales persons
4) All of these
5) None of these
189. Digital Banking can be resorted through _____
1) Mobile phones 2) Internet
3) Telephones 4) All of these
5) None of these
190. Rural Marketing can be more effective if it is arranged through _____
1) melas 2) village fairs.
3) door to door campaigns 4) All of these
5) None of these
191. The target group for marketing of Educational Loan is _____
1) all customers
2) students
3) Only poor students
4) students with good academic record
5) All of these
192. After sales Service is not the job of _____
1) Marketing staff
2) Sales persons
3) Directors of the Company
4) Employees of the Company
5) All the above are false
193. Innovation means _____
1) product designing 2) new ideas
3) motivation 4) Only (1) and (2)
5) Only (2) and (3)
194. A good Sales person should have following quality/qualities _____
1) job commitment 2) sociability
3) empathy 4) All of these
5) None of these

195. Successful marketing aims at _____
 1) increasing the sales volume
 2) increasing the profits
 3) increasing the output of the sales persons
 4) All of these
 5) None of these
196. Internet Marketing means _____
 1) Marketing to oneself
 2) Marketing to the core group
 3) Marketing to the employees
 4) All of these
 5) None of these
197. Market Survey means _____
 1) Market Research
 2) Market Plan
 3) Marketing Strategies
 4) Market Monitoring
 5) All of these

198. Rural Marketing need not be resorted to because _____
 1) rural persons do not understand marketing
 2) it is not cost viable
 3) it is a waste of time
 4) all the statements are false
 5) all the statements are true
199. Networking makes Marketing _____
 1) very difficult
 2) very cumbersome
 3) easy to handle
 4) has no role in marketing
 5) None of these
200. The target Group for marketing of Internet Banking is _____
 1) all customers
 2) all literate customers
 3) all computer literate customers
 4) only borrowers
 5) All of these

Answers and explanations

- | | | | | |
|------------------|------------------|------------------|------------------|------------------|
| 1. 5 | 2. 4 | 3. 5 | 4. 5 | 5. 3 |
| 6. 5 | 7. 4 | 8. 5 | 9. 4 | 10. 2 |
| 11. 2 | 12. 5 | 13. 3 | 14. 4 | 15. 3 |
| 16. 1 | 17. 1 | 18. 2 | 19. 3 | 20. 2 |
| 21. 2 | 22. 1 | 23. 1 | 24. 4 | 25. 3 |
| 26. 4 | 27. 5 | 28. 4 | 29. 5 | 30. 2 |
| 31. 1 | 32. 3 | 33. 5 | 34. 5 | 35. 3 |
| 36. 2 | 37. 5 | 38. 1 | 39. 4 | 40. 3 |
| 41. 2 | 42. 5 | 43. 5 | 44. 1 | 45. 1 |
| 46. 5 | 47. 4 | 48. 1 | 49. 3 | 50. 4 |
| 51. 1 | 52. 2 | 53. 4 | 54. 3 | 55. 1 |
| 56. 5 | 57. 3 | | | |

58. 2; Change 'spend' to 'Awaken'.
 59. 5
 60. 2; Change 'Enable' to 'Able'.
 61. 1; Change 'initiated' to 'spent'.
 62. 4; Change 'resort' to 'resolve'.
 63. 1 64. 5 65. 1 66. 2 ~~67. 4~~
 68. 3; Change 'yet' to 'and'.
 69. 2; Change 'any' to 'one'.
 70. 4; Change 'sign' to 'signed'.
 71. 1; Change 'necessarily' to 'necessary'.
 72. 5 ~~73. 5~~ ~~74. 5~~
~~75. 1~~ ~~76. 4~~ ~~77. 1~~
 78. 2 ~~79. 2~~ ~~80. 1~~

81. 3; $? = \frac{786 \times 64}{48} = 1048$

82. 1; $\sqrt[3]{13824} \times \sqrt{7} = 864$
 $\Rightarrow \sqrt[3]{24 \times 24 \times 24} \times \sqrt{7} = 864$

$\Rightarrow 24 \times \sqrt{7} = 864$

$\Rightarrow \sqrt{7} = \frac{864}{24} = 36$
 $\therefore ? = 36 \times 36 = 1296$

83. 5; $\frac{60}{100} \times \frac{20}{100} \times \frac{3}{5} \times ? = 450$
 $\Rightarrow \frac{9}{125} \times ? = 450$
 $\Rightarrow ? = \frac{450 \times 125}{9} = 6250$

84. 4; $? = 196 \times 948 \div 158$
 $= \frac{196 \times 948}{158} = 1176$

85. 2; $? = 3.5 + 11.25 \times 4.5 - 32.5$
 $= 3.5 + 50.625 - 32.5$
 $= 54.125 - 32.5$
 $= 21.625$

86. 3; $? = \frac{\sqrt{4096} \times 56}{764 - 652}$
 $= \frac{64 \times 56}{112} = 32$

87. 4; $? = (98360 + 25845 - 36540) \div 2500$
 $= 87665 \div 2500 = 35.066$

88. 5; $? = 7414 + 3698 + 1257 + 1869 = 14238$

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89. 2; $(91)^2 + (41)^2 - \sqrt{7} = 9858$

$\Rightarrow 8281 + 1681 - \sqrt{7} = 9858$

$\Rightarrow 9962 - \sqrt{7} = 9858$

$\Rightarrow \sqrt{7} = 9962 - 9858 = 104$

$\therefore ? = 104 \times 104 = 10816$

90. 1; $? = (2640 + 48) \times (2240 + 35)$
 $= 55 \times 64 = 3520$

91. 1; $121 - 2^2 = 121 - 4 = 117$

$117 - 3^2 = 117 - 9 = 108$

$108 - 4^2 = 108 - 16 = 92$

$92 - 5^2 = 92 - 25 = 67$

$67 - 6^2 = 67 - 36 = \boxed{31}$

92. 2; $(50 + 2) + 1 = 25 + 1 = 26$

$(26 + 2) + 1 = 13 + 1 = 14$

$(14 + 2) + 1 = 7 + 1 = \boxed{8}$

$(8 + 2) + 1 = 4 + 1 = 5$

$(5 + 2) + 1 = 2 + 1 = 3.5$

93. 3; $3 + 20 = 23$

$23 + 20 = 43$

$43 + 20 = \boxed{63}$

$63 + 20 = 83$

$83 + 20 = 103$

94. 5; $748 - 1 \times 11 = 748 - 11 = 737$

$737 - 2 \times 11 = 737 - 22 = 715$

$715 - 3 \times 11 = 715 - 33 = 682$

$682 - 4 \times 11 = 682 - 44 = 638$

$638 - 5 \times 11 = 638 - 55 = \boxed{583}$

95. 4; $1^2 = 1, \quad 3^2 = 9$

$5^2 = 25, \quad 7^2 = 49$

$9^2 = 81, \quad 11^2 = \boxed{121}$

$13^2 = 169$

96. 3; Let the number of ducks and frogs be $37x$ and $39x$ respectively.

According to the question,

$\frac{37x + 39x}{2} = 152$

$\Rightarrow \frac{76x}{2} = 152$

$\Rightarrow 38x = 152$

$\Rightarrow x = \frac{152}{38} = 4$

\therefore Number of frogs $= 39x = 39 \times 4 = 156$

97. 4; The word ARISE consists of 5 distinct letters.

\therefore Number of arrangements $= 5P_5 = 5!$

$= 5 \times 4 \times 3 \times 2 \times 1 = 120$

98. 5; Let the number of employees in companies A, B, and C be $4x$, $5x$ and $6x$ respectively.

After increase in the number of employees,

Required ratio $= 4x \times \frac{125}{100} : 5x \times \frac{130}{100} : 6x \times \frac{150}{100}$

$= 4 \times 25 : 5 \times 26 : 6 \times 30$

$= 10 : 13 : 18$

99. 2; Third number $= 5 \times 213 - 2 \times 233.5 - 2 \times 271$

$= 1065 - 467 - 542 = 56$

100. 1; Let Sonali's monthly income be Rs x .

Sonali's percentage monthly spendings $= (55 + 15)\%$
 $= 70\%$

Percentage savings $= (100 - 70) = 30\%$

$\therefore 30\%$ of $x = 12750$

$\Rightarrow \frac{30x}{100} = 12750$

$\Rightarrow x = \frac{12750 \times 100}{30} = \text{Rs } 42500$

(101-105):

101. 1; Number of all residents in :

Year 2006 $\Rightarrow 220 + 300 + 240 + 220 + 240 = 1220$

Year 2007 $\Rightarrow 240 + 340 + 250 + 230 + 260 = 1320$

Required difference $= 1320 - 1220 = 100$

102. 2; Total number of men living in year 2005

$= \frac{60 \times 250}{100} + \frac{45 \times 320}{100} + \frac{45 \times 280}{100}$

$+ \frac{40 \times 210}{100} + \frac{55 \times 220}{100}$

$= 150 + 144 + 126 + 84 + 121 = 625$

\therefore Required average $= \frac{625}{5} = 125$

103. 4; Required ratio $= \frac{65 \times 200}{100} : \frac{60 \times 250}{100}$

$= 130 : 150$

$= 13 : 15$

104. 2; Total number of women in all the societies in 2005

$= \frac{40 \times 250}{100} + \frac{55 \times 320}{100} + \frac{55 \times 280}{100}$

$+ \frac{60 \times 210}{100} + \frac{45 \times 220}{100}$

$= 100 + 176 + 154 + 126 + 99 = 655$

∴ Required average = $\frac{655}{5} = 131$

105. 5; Total number of residents in the society E over the years

= 220 + 240 + 250 + 220 + 240 + 260
= 1430

Number of women in society E over the years

= $\frac{40 \times 220}{100} + \frac{65 \times 240}{100} + \frac{50 \times 250}{100}$
+ $\frac{45 \times 220}{100} + \frac{50 \times 240}{100} + \frac{40 \times 260}{100}$

= 88 + 156 + 125 + 99 + 120 + 104 = 692

∴ Required ratio = 692 : 1430 = 346 : 715

106. 5; $CI = P \left[\left(1 + \frac{R}{100} \right)^T - 1 \right]$

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

= 9650 [(1.06)³ - 1]

= 9650 (1.191016 - 1)

= 9650 × 0.191016 ≈ Rs 1843

107. 3; Case I

The milkman sells 120 litres of milk for Rs 3360

∴ SP per litre = Rs $\left(\frac{3360}{120} \right) = \text{Rs } 28$

Case II

The milkman sells 240 litres of milk for Rs 6120.

∴ SP per litre = Rs $\left(\frac{6120}{240} \right) = \text{Rs } 25.5$

∴ Required discount = Rs (28 - 25.5) = Rs 2.5

108. 1; Let the required number be x.

According to the question,

$\frac{3626}{x^2} \times 32 = 2368$

⇒ 2368 × x² = 3626 × 32

⇒ x² = $\frac{3626 \times 32}{2368} = 49$

⇒ x = $\sqrt{49} = 7$

109. 2; Let the two-digit number be 10x + y and x > y.

As given,

x + y = 14

x - y = 2

Solving these

x = 8, y = 6

∴ Product of digits = 8 × 6 = 48

110. 4; After servicing, speed of car = 60 kmph
∴ Distance covered in 6 hours = (60 × 6) km
= 360 km

When not serviced, time taken to cover 360 km

= $\frac{360 \text{ km}}{50 \text{ kmph}} = 7.2 \text{ hours}$

(111-115):

111. 2; Number of students from the faculty of Arts :
College C ⇒ 32500

College D ⇒ 25000

∴ Required ratio = 32500 : 25000 = 13 : 10

112. 5; Required Average = $\left(\frac{25 + 27.5 + 30}{3} \right)$ thousand

= $\frac{82.5}{3}$ thousand

= 27.5 thousand = 27500

113. 1; Required average number of Arts students

= $\left(\frac{25 + 22.5 + 32.5 + 25}{4} \right)$ thousand

= $\frac{105}{4}$ thousand = 26250

114. 3; Total number of students in college B

= (22.5 + 32.5 + 20) thousand

= 75 thousand

Number of Commerce students in college B

= 32.5 thousand

∴ Required percentage = $\frac{32.5}{75} \times 100 \approx 43$

115. 4; Total number of Commerce students

= (27.5 + 32.5 + 25 + 22.5) thousand

= 107.5 thousand

∴ Total number of Science students

= (30 + 20 + 12.5 + 30) thousand

= 92.5 thousand

∴ Required difference = (107.5 - 92.5) thousand
= 15000

(116-120):

116. 5; ? = $\sqrt{964} \times \sqrt{348}$

≈ 31.04 × 18.7 = 580.5

∴ Required answer = 579

117. 2; ? = 37.35 + 13.064 × 3.46

≈ 37.35 + 13 × 3.5

≈ 37.35 + 45.5 ≈ 82.85

∴ Required answer = 83

118. 3; ? = (4863 + 1174 + 2829) ÷ 756

≈ 8866 ÷ 756 = 11.72 ≈ 12

119. 1; $? = 54 \times 746 \div 32$
 $= \frac{54 \times 746}{32} = 1258.875$
 ≈ 1259

120. 4; $? = [(1.5)^3 \times (3.2)^2] \div 2.3$
 $= \frac{2.25 \times 10.24}{2.3} \approx 10$

121. 4; Meaningful words \Rightarrow ARE, EAR, ERA

122. 3; A D J E C T I V E
 $+1\downarrow -1\downarrow -1\downarrow +1\downarrow -1\downarrow -1\downarrow +1\downarrow -1\downarrow +1\downarrow$
 B C I F B S J U F
 Clearly, there are two vowels I and U.

123. 1; na **pa** **ka** **so** \rightarrow **birds** **fly** **very** high
 ri **so** la **pa** \rightarrow **birds** are **very** beautiful
 time **ka** bo \rightarrow the parrots could **fly**
 Hence code for 'high' is 'na'.

124. 4; 1 2 3 **4** 5 6 **8** 9
 $8 - 4 = 4$

125. 2; 1 **2** 3 4 5 **6** **7** 8 **9** 10 11 12 13
 C **O** M P A **T** **I** B **I** L I T Y
 Meaningful word \Rightarrow LIMB

126. 5; As

F	I	N	E
$\downarrow +2$	$\downarrow -2$	$\downarrow +2$	$\downarrow -2$
H	G	P	C

 Similarly,

S	L	I	T
$\downarrow +2$	$\downarrow -2$	$\downarrow +2$	$\downarrow -2$
U	J	K	R

 Hence the required code is UJKR.

127. 4; As,

L	A	T	E
\downarrow	\downarrow	\downarrow	\downarrow
8	&	4	\$

 And,

H	I	R	E
\downarrow	\downarrow	\downarrow	\downarrow
7	*	3	\$

 Therefore,

H	A	I	L
\downarrow	\downarrow	\downarrow	\downarrow
7	&	*	8

128. 2; All others are parts of a Tree.
 129. 4; Potato grows underground. But here Potato is called Banana.

130. 5;

B	N	G	L
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 S H

131. 3; Some suns are planets. (I-Type)

All planets are satellites. (A-Type)
 $I + A \Rightarrow$ I-type of Conclusion
 "Some suns are satellites".
 Conclusions I and II form Complementary Pair.
 Therefore, either I or II follows.

132. 2; All curtains are rods. (A-Type)

Some rods are sheets. (I-Type)
 $A + I \Rightarrow$ No Conclusion
 Conclusion II is the converse of first premise.

133. 5; Some plugs are bulbs. (I-Type)

All bulbs are sockets. (A-Type)
 $I + A \Rightarrow$ I-type of Conclusion
 "Some plugs are sockets".
 Conclusion I is Converse of this Conclusion.
 Conclusion II is Converse of the first Premise.

134. 1; All fishes are birds. (A-Type)

All birds are rats. (A-Type)
 $A + A \Rightarrow$ A-type of Conclusion
 "All fishes are rats".
 All birds are rats. (A-Type)

All rats are cows. (A-Type)
 $A + A \Rightarrow$ A-type of Conclusion
 "All birds are cows".
 This is Conclusion I.

135. 4; Some windows are doors. (I-Type)

All doors are roofs. (A-Type)
 $I + A \Rightarrow$ I-type of Conclusion
 "Some windows are roofs".

136. 2; $489 \Rightarrow 489$; $541 \Rightarrow 145$
 $654 \Rightarrow 456$; $953 \Rightarrow 359$
 $783 \Rightarrow 378$

lowest number $\Rightarrow 145 \Rightarrow 541$

137. 2; $489 - 5 \Rightarrow 484$; $541 - 5 \Rightarrow 536$
 $654 - 5 \Rightarrow 649$; $953 - 5 \Rightarrow 948$
 $783 - 5 \Rightarrow 778$

Second highest number = 778
 Highest number = 948
 $7 - 4 = 3$

138. 4; 489 \Rightarrow 849; 541 \Rightarrow 451
 654 \Rightarrow 564; 953 \Rightarrow 593
 783 \Rightarrow 873

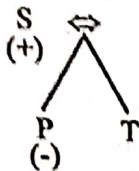
Third highest number = 593 \Rightarrow 953

139. 1; 489 + 1 = 490; 541 + 1 = 542
 654 + 1 = 655; 953 + 1 = 954
 783 + 1 = 784
 $5 - 4 = 1$

140. 3; 489 \Rightarrow 984; 541 \Rightarrow 145
 654 \Rightarrow 456; 953 \Rightarrow 359
 783 \Rightarrow 387

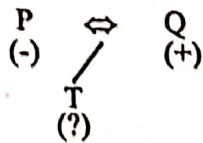
Second highest number \Rightarrow 456 \Rightarrow 654

141. 1; P + S - T:



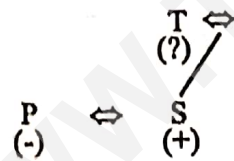
Clearly, P is sister of T.

142. 4; P x Q - T:



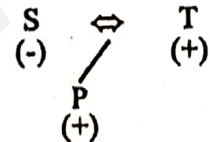
The sex of T is not known. Hence T is either son or daughter of P.

143. 3; 1) P x S + T:



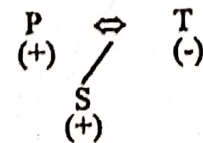
Clearly, T is not wife of P.

2) P + S x T:



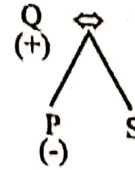
Clearly, T is not wife of P.

3) P - S + T:



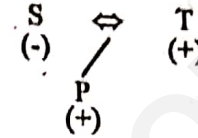
Clearly, T is wife of P.

144. 3; 1) P + Q - S:



Clearly, P is sister of S.

2) P + S x T:



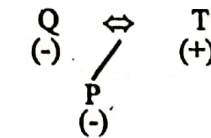
Clearly, P is son of S.

3) P + Q + S:



Clearly, P is grandson of S.

145. 2; P + Q x T:



Clearly, T is father of P.

146. 5;

B	A	R	N	I	S
↓	↓	↓	↓	↓	↓
9	2	*	%	#	4

147. 3;

D	M	B	N	I	A
↓	↓	↓	↓	↓	↓
2	@	9	%	#	2

Condition (i) is applicable.

148. 3;

I	J	B	R	L	G
↓	↓	↓	↓	↓	↓
\$	8	9	*	£	#

Condition (ii) is applicable.

149. 1;

B	K	G	Q	J	N
↓	↓	↓	↓	↓	↓
9	©	\$	7	©	%

Condition (iii) is applicable.

150. 2;

E	G	A	K	R	L
↓	↓	↓	↓	↓	↓
£	\$	2	1	*	3

Condition (ii) is applicable.

(151-155):

Person	Sex	Company	Specialisation
A	Male	X	Finance
B	Male	Z	Marketing
C	Male	Y	Engineer
D	Female	X	HR
E	Male	Y	Doctor
F	Male	Y	Marketing
G	Female	Z	Finance
H	Male	Z	HR

G is sister of C.

151. 4

152. 1

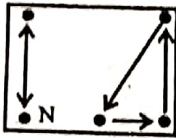
153. 3

154. 5

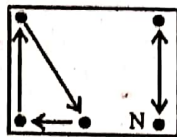
155. 2

156. 1; The movement and other changes in designs can be shown as :

(1) to (2)



(2) to (3)



These two steps are repeated alternately.

157. 4

158. 3; In the subsequent figures one design is left intact while other three designs are inverted.

159. 4; In the subsequent figures the star moves three steps in clockwise direction inside the hexagon after every two figures. The equal sign moves respectively one and two step(s) in clockwise direction along the sides of the hexagon. The design C moves in and out the hexagon in the subsequent figures and moves respectively two and one step(s) in clockwise direction. In other words, this problem is based on the rule (1) = (5) and hence (2) = (6).

160. 5; In the subsequent figures respectively two and three designs change size alternately in a set order.

161. 4

164. 3

167. 2

170. 3

173. 2

176. 1

179. 4

182. 3

185. 2

188. 2

191. 2

194. 4

197. 1

200. 3

162. 2

165. 3

168. 4

171. 4

174. 2

177. 1

180. 3

183. 5

186. 2

189. 1

192. 1

195. 4

198. 4

163. 1

166. 1

169. 7

172. 3

175. 3

178. 5

181. 1

184. 3

187. 4

190. 4

193. 4

196. 5

199. 3