

# SBI PROBATIONARY OFFICERS

## MODEL PAPER

### ENGLISH LANGUAGE

**Directions (1-15):** Read the following passage carefully and answer the questions given below it. Certain words/phrases are given in bold to help you to locate them while answering some of the questions.

China's rising power is based on its remarkable economic success. Shanghai's overall economy is currently growing at around 13% per year, thus doubling in size every five or six years.. Everywhere there are start-ups, innovations, and young entrepreneurs hungry for profits. In a series of high-level meeting between Chinese and African officials, the advice that the African leaders received from the Chinese was sound, and more practical than they typically get from the World Bank. Chinese officials **stress** the crucial role of public investment, especially in agriculture and infrastructure, to lay the basis for private sector-led growth. In a hungry and poor rural economy, as China was in the 1970s and as most of Africa is today, a key starting point is to raise farm productivity. Farmers need the benefits of fertiliser, irrigation and high yield seeds, all of which were a **core**, part of China's economical takeoff. Two other equally critical investments are: also needed; roads and electricity, without which there cannot be a modern economy. Farmers might be able to increase their output, but it won't be able to reach the cities, and the cities won't be able to provide the countryside with inputs. The government has taken pains to ensure that the electricity grids and transportation networks reach every village in China. China is prepared to help Africa in substantial way in agriculture, roads, power, health and education. And that is not an **empty** boast. Chinese leaders are prepared to share new high-yield rice varieties, with their African counterparts and all over Africa, China is financing and constructing basic infrastructure.

This illustrates what is wrong with the World Bank. The World Bank has often forgotten the most basic lessons of development, preferring to lecture the poor and force them to privatize basic infrastructure, which is **untenable**, rather than to help the poor to invest in infrastructure and other crucial sectors. The bank's failure began in the early 1980s when under the ideological **sway** of then American President and British Prime Minister it tried to get Africa and other poor regions to cut back or lose down government investments and services. For 25 years, the Bank tried to get governments out of agriculture, leaving impoverished peasants to fend for themselves. The result has been a disaster in Africa, with farm productivity stagnant for decades. The Bank also pushed for privatisation of national health systems, water utilities, and road and power networks, and has grossly underfinanced these critical sectors. This extreme free-market ideology also called "structural adjustment" went against the practical lessons of development successes in China and the rest of Asia. Practical development strategy recognises that public investments - in agriculture, health, education, and infrastructure - are necessary complements to private investments. The World Bank has instead wrongly seen such vital public investments as an enemy of private sector development. Whenever the bank's ideology failed, it has blamed the poor for corruption, mismanagement, or lack of initiative. Instead of focusing its attention on helping the poorest countries to improve their infrastructure, there has been a crusade against corruption. The good news is that African governments are getting the message on how to spur economic growth and are getting crucial help from China and other partners that are less wedded to extreme free-market ideology than the World Bank. They have declared their intention to invest in infrastructure, agriculture modernisation, public health, and education. It is clear that Bank can regain its relevance only if it becomes practical once again, by returning its focus to financing public investments in priority sectors. If that happens, the Bank can still do justice to the bold vision of a world of shared prosperity that prompted its creation after World War II.

1. The author's main objective in writing the passage is- to
  - (1) make a case for the closure of the World Bank since it promotes US interests over those of other countries.
  - (2) illustrate how China can play a more concrete role in Africa.
  - (3) criticise the World Bank for playing a crucial role in China's development but neglecting Africa.
  - (4) recommend that China adopt the guidelines of the World Bank to sustain growth.
  - (5) use China's success as an example of the changes required in World Bank ideology.

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2. What advice have African leaders received from their Chinese counterparts?
    - (i) Focus primarily on innovation, start-ups and urban development.
    - (ii) To ensure all citizens benefit from economic development, investment in crucial sectors should come from the government, not the private sector.
    - (iii) Improve agricultural output through government investment to stimulate economic growth.

(1) None           (2) Only iii           (3) Only ii           (4) Both i & ii           (5) None
  3. What effect has the World Bank policy had on African nations?
    - (1) The African government has restricted private sector investment in agriculture.
    - (2) Africa has focused more on health and education rather than on agriculture.
    - (3) The agriculture sector in these countries is not as productive as it could be.
    - (4) US and Britain have volunteered substantial aid to Africa as Africa has complied with World Bank ideology-
    - (5) None
  4. What is the difference in the Chinese and World Bank approach to development?
    - (1) Unlike the World Bank, China favours the public sector-and restricts private sector participation in crucial sectors.
    - (2) Contrary to China's strategy of dependence on the private sector, the World Bank pressurises governments to take the lead in investing in agriculture.
    - (3) While the World Bank has focused on agriculture, China's priority has been rooting out corruption so that investment in infrastructure is utilised appropriately.
    - (4) The Chinese government has retained control over . essential services like transport while the World Bank favours private sector involvement.
    - (5) None
  5. What is China's view on the development of the transportation and power networks?
    - (1) Development in these sectors is not as important as investing in agriculture.
    - (2) Resources need to be diverted from the rural to the urban areas to meet the needs of the growing population in cities.
    - (3) The government should be solely responsible for developing these services so all citizens have access to them.
    - (4) It is more important to develop and maintain transportation networks and power grids in rural areas.
    - (5) None
  6. Which of the following cannot be said about structural adjustment?
    - (1) It is the World Bank's free market ideology adopted by Asian countries.
    - (2) Under this strategy public sector investment in priority sectors is discouraged.
    - (3) As a development strategy it has failed in Africa.
    - (4) With this strategy there has been a lack of adequate investment in critical sectors.
    - (5) It is an ideology advocated by the World Bank which needs to be modified to facilitate economic growth.
  7. Which of the following is NOT true in the context of the passage?
    - (i) China's involvement in Africa so far has been restricted to advising its leaders.
    - (ii) The World Bank was created by the US and Britain for the sole purpose of furthering their interests.
    - (iii) China's economy was once in the same state as many African countries are today. ' ?

(1) None           (2) Only ii           (3) Only i           (4) Both i & ii           (5) None
  8. What has/have been the outcome (s) of Shanghai's economy prospering?
    - (i) The World Bank has changed its development strategy.
    - (ii) China's importance globally has been enhanced.
    - (iii) Rural areas are being neglected to promote development of cities.

(1) Only ii           (2) Both i & ii           (3) Both ii & iii           (4) All i, ii & iii           (5) None
  9. Why is the author optimistic about Africa's future?
    - (1) The World Bank has committed itself to invest huge sums in Africa's development.
    - (2) Africa has decided to adopt a structural adjustment ideology which has benefited many nations.
    - (3) Africa has committed itself to adopting China's strategy for economic growth.
    - (4) China has urged the World Bank to waive the interest on its loans to Africa.
    - (5) None
  10. What advice has the author given the World Bank?
    - (1) Support China's involvement in developing Africa ^
    - (2) Reduce the influence of the US and Britain in its functioning
    - (3) Adopt a more practical ideology of structural adjustment
    - (4) Change its ideology to one encouraging both public and private sector investment in basic infrastructure
    - (5) Focus on fighting corruption rather than interfering in the governance of developing countries
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- Directions (11-13):** Choose the word which is most nearly the SAME in meaning as the word printed in bold as used in the passage.
11. **Sway**  
 (1) fluctuate (2) influence (3) govern (4) dependence (5) unsteady
12. **Core**  
 (1) centre (2) heart (3) adequate (4) intermediate (5) essential
13. **Stress**  
 (1) highlight (2) strain (3) taxing (4) tension (5) emphasis
- Directions (14-15):** Choose the word which is most OPPOSITE in meaning of the word printed in bold as used in the passage.
14. **Untenable**  
 (1) viable (2) unsound (3) consistent (4) superior (5) attractive
15. **Empty**  
 (1) full (2) objective (3) meaningful (4) occupied (5) intelligent
- Directions (16-25):** Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). (Ignore errors of punctuation, if any).
16. It is not worthy (1) / the company's reputation (2) / to compromise on quality (3) / for the sake of profit (4). No error (5)
17. The company which has (1) / won the government contract (2) / also plans to invest (3) / with the power sector (4). No error (5)
18. Implementing these measures (1) / will help the government (2) / to save more of (3) / 400 crores each year (4). No error (5)
19. You have failed to produce (1) / no evidence to support (2) / the charge that he (3) / is responsible for the error (4). No error (5)
20. As per the agreement (1) / scientists from both of (2) / the countries will work (3) / together to find a solution (4). No error (5)
21. Negotiations with the bank (1) / are at an advanced (2) / stage and we hope to (3) / signed the deal-soon (4). No error (5)
22. These goods have been (1) / damaged and as such (2) / should be declared (3) / unsuitable for sale (4). No error (5)
23. On account of the (1) / high land prices we (2) / are set up the factory (3) / on the outskirts of the city (4). No error (5)
24. Bhutan is a beautiful (1) / country which almost (2) / eighty percent of the (3) / population lives in villages (4). No error (5)
25. Out of the six companies (1) / shortlisted for the project (2) / five have already (3) / made its presentations (4). No error (5)
- Directions (26-30):** Which of the phrases (1), (2), (3) and (4) given below should replace the phrase given in bold in the following sentences to make the sentence grammatically correct? If the sentence is correct as it is and there is no correction required, mark (5), i.e. 'No correction required' as the answer.
26. The minimum eligibility age **shall be less** to sixty years to allow more senior citizens to avail of the benefits of the scheme.  
 (1) should be lowered (2) should be lower  
 (3) being lesser (4) must be lessen (5) No correction required
27. The latest study by Nasscom indicates **possibly short of** five lakh qualified engineers in the IT industry.  
 (1) the possible shortage off (2) possibly short by  
 (3) possibility of shortage (4) a possible shortage of  
 (5) No correction required
28. China **has to be prepared** to meet many age-related social and financial challenges in the coming years.  
 (1) is been preparing (2) was prepared  
 (3) have been prepared (4) has preparations  
 (5) No correction required
29. It is necessary to ascertain **that we can do** to attract investment to the manufacturing sector.  
 (1) how we can do (2) what we can do  
 (3) more can be done (4) that has been done  
 (5) No correction required
30. Despite all my efforts **I could not prevail him** to attend next week's conference.  
 (1) was unable to prevail (2) cannot prevail for  
 (3) could not prevail on (4) am not able to prevail with  
 (5) No correction required

**Directions (31-35):** In each of the following sentences there are two blank spaces. Below each five pairs of words have been denoted by numbers (1), (2), (3), (4) and (5). Find out which pair of words can be filled up in the blanks in the sentence in the same sequence to make the sentence meaningfully complete.

31. The Chairman in his speech stated the.....in company profits was.....to team building.  
 (1) incline, owing (2) rise, liable  
 (3) slump, accountable (4) surge, due (5) plunge, response
32. The main.....of healthcare reforms is.....medical care to every citizen.  
 (1) purpose, available (2) cause, providing  
 (3) challenge, accessing (4) assurance, qualified  
 (5) focus, extending
33. Being.....of how he wanted his career to progress, he began discussing his.....with senior colleagues..  
 (1) convinced, misconduct (2) unsure, options  
 (3) unresolved, aspirations (4) practical, intentions  
 (5) spontaneous, future
34. Experts feel that the amendment to the Act will adversely.....private sector.....in infrastructure development.  
 (1) effect, participation (2) facilitate, claim  
 (3) influence, involvement (4) measure, investment (5) expedite, stake
35. His absence at the crucial meeting cannot be.....as he.....the country at important international fora.  
 (1) helped, represents (2) condoned, participates  
 (3) permitted, engages (4) sanctioned, governs  
 (5) forgiven, promote

**Directions (36-40):** 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. In fact, today, social entrepreneurship is no different from starting a profit-motivated company.  
 B. The major challenge they face is employee selection and retention.  
 C. For decades social development in India meant charity.  
 D. However, the challenges social organisations experience are tougher.  
 E. This is because while volunteering for social work is not new, attracting talented people and tapping their potential at lower costs is difficult.  
 F. In recent years, however, economic changes have brought business sense and professionalism to the sector.

36. Which of the following should be the FIFTH sentence in the paragraph?  
 (1) A (2) B (3) C (4) D (5) E
37. Which of the following should be the SIXTH (LAST) sentence in the paragraph?  
 (1) B (2) C (3) D (4) E (5) F
38. Which of the following should be the SECOND sentence in the paragraph?  
 (1) B (2) C (3) D (4) E (5) F
39. Which of the following should be the FIRST sentence in the paragraph?  
 (1) A (2) B (3) C (4) D (5) E
40. Which of the following should be the THIRD sentence in the paragraph?  
 (1) A (2) B (3) C (4) D (5) E

**Directions (41-50):** 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.

Does Indian industry need democracy? The Indian economy's sustained growth today is **41** by incomplete democracy. While millions of Indians endure poverty, only a tiny majority **42** prosperity. On the other hand, many Latin American countries have registered **43** growth rates under military dictators and today one of the fastest growing economies in the world — China — has an **44** rather than a democratic government. So why does India need democracy for sustained growth? To many, democracy **45** slower decision-making with corrupt politicians and red-tapeism etc. Industry should, therefore, be **46** with less, not more, democracy. However, while China **47** consumption in order to save and invest more than half its output to produce **10%** growth, India **48** almost two-thirds of its output and manages to achieve **9%** growth from one-third of its output. **49**. India's democracy is not inefficient when it comes to making **50** use of resources.

41. (1) deprived (2) hampered (3) eliminated (4) faced (5) threaten
42. (1) pursuit (2) acquisition (3) benefit (4) enjoy (5) value
43. (1) acceptable (2) insignificant (3) variable (4) inflated (5) affordable
44. (1) autonomous (2) economical (3) authoritarian (4) egalitarian (5) orthodox
45. (1) imply (2) mention (3) attract (4) feature (5) mean
46. (1) gracious (2) adapt (3) fascinate (4) please (5) urge

47. (1) bans (2) curtails (3) regulate (4) ceases (5) discourage  
 48. (1) consumes (2) selects (3) indulges (4) disperse (5) hoard  
 49. (1) Accordingly (2) Totally (3) Thus (4) Even (5) Likely  
 50. (1) ultimately (2) capably (3) modest (4) secure (5) effective

### **GENERAL AWARENESS, MARKETING & COMPUTERS**

51. Which of the following is the petroleum wax ?  
 1) Bees wax 2) Carnauba wax 3) Paraffin wax 4) Jojoba wax 5) None
52. Which of the following fibres is generally preferred for making gauze and lint ?  
 1) Cotton 2) Rayon 3) Nylon 4) Terylene 5) None
53. Rubber is coagulated from latex by adding —  
 1) Hydrochloric acid 2) Acetic acid  
 3) Sulphuric acid 4) Carbonic acid 5) None
54. Paper is manufactured by —  
 1) Wood and resin 2) Wood, Sodium and Bleaching powder  
 3) Wood and bleaching powder 4) Wood, Calcium, hydrogen sulphate and resin 5) None
55. Which synthetic fibre is known as artificial silk ?  
 1) Cotton 2) Rayon 3) Terylene 4) Nylon 5) None
56. Name the Indian who was recently awarded WISE award (World Innovation Summit for Education, called Nobel prize of Education) at Doha?  
 1) Kalpana Chawala 2) Madhav Chavan  
 3) APJ Abdul Kalam 4) Manmohan Singh 5) None
57. Indian theatre artist who was awarded with French Cultural Honour (Knight of the orders of arts and letters)?  
 1) Javed Akhtar 2) Ebrahim Alkaji  
 3) Waheeda Rahman 4) Karim Khalili 5) None
58. Mahatma Gandhi International Award 2012 was given to \_\_\_ (A former Zambian President)?  
 1) Barack Obama 2) Kenneth Kaunda  
 3) Manmohan Singh 4) Narendra Modi 5) None
59. Which actress was given Lifetime Achievement Award at the 14th Mumbai film Festival?  
 1) Waheeda Rahman 2) Vidya Balan  
 3) Rani Mukherji 4) Lata Mangeshkar 5) None
60. Former Afghan Minister who was recently given Swedish Rite Livelihood Award?  
 1) Hamid Karzai 2) Mohammad Fahim  
 3) Seema Samar 4) Abdul Bilal 5) None
61. Which among the following countries has launched construction of world's first fourth generation nuclear reactor?  
 1) United States 2) Australia 3) France 4) China 5) None
62. Who among the following was the founder of South Asia Foundation (SAF)?  
 1) Nirupama Rao 2) Uday Kumar Mishra  
 3) Madanjeet Singh 4) Surendra Rao 5) None
63. In which among the following countries Polio is not an endemic?  
 1) Pakistan 2) Afghanistan 3) Nigeria 4) Bangladesh 5) None
64. Recently, in which among the following States, the performance of more than 14,000 traditional khol players qualified for entry into the India Book of Records?  
 1) Mizoram 2) Assam 3) West Bengal 4) Odisha 5) None
65. Recently, who among the following is honoured with the Mother Teresa Memorial International Award for Social Justice for 2012?  
 1) Sreekumar 2) Arvind Kejriwal 3) Sanjiv Bhatt 4) Teesta Setalvad 5) None
66. Union Govt. allowed FDI in Multi Brand Retail up to what percent?  
 1) 49% 2) 51% 3) 26% 4) 74% 5) None
67. Which of the following rates is not decided by the RBI?  
 1) CRR 2) Prime lending Rate  
 3) Reverse Repo Rate 4) Repo Rate 5) Bank Rate
68. What is IndoNext?  
 1) A new Scheme to promote Indian tourism  
 2) A new Scheme to promote export of Indian Handicrafts  
 3) An association of Non – Resident Indian to organize Bhartiya Divas every year in India  
 4) An alternative trading platform being promoted by the Mumbai Stock Exchange and regional stock exchanges 5) None
69. The worlds over most of the supervisory authorities have adopted the following as the basis of assessment of capital adequacy?  
 1) Risk Asset Ratio System 2) Return or Capital System  
 3) Net Profit 4) Average yield on Assets systems 5) None

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70. Humam Development Index(HDI) comprises literacy rates, life expectancy at birth and \_\_\_?  
 1) Gross National Product per head in US dollars  
 2) Gross Domestic Product per head at real purchasing power  
 3) Gross National Product in US dollars  
 4) National Income per head in US dollars 5) None
71. Government recently formed a 14 member task force on security issues under the supervision of:  
 1) Naresh Chandra 2) YH Malegam  
 3) Suresh Tendulkar 4) Shivraj Patil 5) None
72. A high level committee formed by Govt. on examination of Financing Infrastructure related aspects. The committee is headed by\_\_\_?  
 1) Pulok Chatterji 2) YH Malegam  
 3) DM Dharmadhikari 4) Deepak Parekh 5) None
73. A committee to examine Production Sharing Contracts (PSC) of various companies. The committee is headed by\_\_\_?  
 1) K Srinath Reddy 2) C Rangarajan  
 3) HS Bedi 4) DM Dharmadhikari 5) None
74. The Govt. recently formed a committee for finalization of implementation of GAAR (General Anti Avoidance Rule). The committee is headed by\_\_\_?  
 1) S. Tendulkar 2) Parthasarathi Shome  
 3) Pulok Chatterji 4) Adi Godrej 5) None
75. A committee to examine taxation policies for I.T. sector. This committee is headed by\_\_\_?  
 1) Pratyush Sinha 2) YH Malegam  
 3) N Rangachary 4) K. Srinath 5) None
76. A New Technology Called High Tibial Osteotomy was developed in India to cure which one of the followings?  
 1) Cancer 2) TB 3) Knee Problems 4) Skin Cancer 5) None
77. A flow chart is  
 1) a program 2) a subroutine 3) a compiler 4) a programming tool 5) None
78. A macro is  
 1) hardware 2) a peripheral device  
 3) stored code mat can be included in other code 4) software 5) None
79. "Initialize a variable" means to\_\_\_\_\_  
 1) assign a beginning or starting value 2) turn on the computer power  
 3) boot the system 4) compile the code 5) None
80. Identify the variable in the following statement. If PAGE - COUNT > 60  
 1) COUNT 2) IF 3) > 4) 60 5) None
81. "Which type of software is most appropriate for an accountant who wants to computerize the creation of his financial statements, balance sheets, etc ?  
 1) COBOL 2) Binary 3) spread sheet 4) word-processing 5) None
82. "Which is NOT SOFTWARE ?  
 1) ada 2) Pascal 3) CPU 4) COBOL 5) None
83. LAN and WAN are terms used to describe  
 1) disk storage 2) input methods 3) network arrangements 4) density 5) None
84. A monitor is  
 1) software 2) part of the CPU  
 3) output hardware 4) Input/output hardware 5) None
85. Normally you would connect a printer cable to  
 1) bus 2) printer port 3) register 4) buffer 5) None
86. Which of the following is NOT an input/output device  
 1) Plotter 2) Scanner 3) Monitor 4) Hard copy 5) None
87. A CPU is  
 1) a type of software 2) a kind processing hardware  
 3) a catridge printing unit 4) a file access method 5) None
88. An instruction set is  
 1) hardware 2) a compiler  
 3) commands for the CPU 4) mouse commands 5) None
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89. NABARD was established in  
 1) Fourth Plan    2) Fifth Plan    3) Sixth Plan    4) Eighth Plan    5) None
90. The first type of co-operative societies established in India was  
 1) Credit Societies    2) Marketing Societies  
 3) Agriculture Societies    4) Housing Societies    5) All of the above
91. The number of approved share markets in India is  
 1) 19    2) 20    3) 23    4) 24    5) All of these
92. RBI was nationalised in  
 1) 1959    2) 1947    3) 1945    4) 1949    5) None
93. Individual cannot open his account in  
 1) Regional Rural Bank    2) RBI  
 3) Scheduled Commercial Banks    4) All of the above    5) None
94. Narsimham committee was related to  
 1) High Education Reforms    2) Tax Structure Reforms  
 3) Banking Structure Reforms    4) All of the above    5) None
95. M is defined as  
 1) currency with the public + demand deposits with banks  
 2) M, + savings deposits with post office saving bank  
 3) M2 + time deposits with banks  
 4) M, + time deposits with banks    5) None
96. Banks create credit  
 1) out of nothing    2) on the basis of their securities  
 3) on the basis of their total assets    4) on the basis of their cash deposits    5) None
97. Essentially, the money market is a market for  
 1) long term loans    2) short term loans  
 3) second hand securities    4) overseas government securities    5) None
98. In a multi-bank system  
 1) one bank alone multiplies deposits    2) some banks multiply deposits  
 3) all banks together multiply deposits    4) All of the above    5) None
99. The gilt-edged market deals in  
 1) worn and torn currency notes    2) bullion  
 3) government securities    4) corporate, bonds    5) All of the above
100. When the Central Bank (RBI) sells securities, as a result  
 1) the cash resources at the disposal of the commercial banks increase  
 2) the cash resources at the disposal of the commercial banks get diminished  
 3) the cash resources of the commercial banks remain unchanged  
 4) All of the above    5) None

### **DATA ANALYSIS AND INTERPRETATION**

**Direction (Q. 101 -105):** What should come in place of the question mark (?) in the following questions ?

101.  $|? - 45| = 40$   
 1) 85 or -85    2) 85 or 5    3) 5 or -5    4) 40 or 5    5) None
102.  $[(3^2)^6]^4 = 9^?$   
 1) 28    2) 16    3) 12    4) 24    5) None
103.  $\sqrt{289} = ?$   
 1)  $(\sqrt{17})^2$     2)  $(-8 - 9)$     3) -17    4)  $\pm\left(\frac{153}{9}\right)$     5) None
104.  $?% \text{ of } (8)^2 = 51.2$   
 1) 15    2) 8    3) 5    4) 10    5) None
105.  $\sqrt[4]{1296} = ?$   
 1) 8    2) 36    3) 12    4) 6    5) None

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**Direction (Q. 106-110)** In the following number series, only one number is wrong. Find out the wrong number.

106. 8 12 24 46 72 108 152  
1) 24                      2) 46                      3) 72                      4) 152                      5) None
107. 5 348 564 689 716 780 788  
1) 716                      2) 564                      3) 788                      4) 780                      5) None
108. 4444 2224 1114 556 281.5 142.75 73.375  
1) 2224                      2) 281.5                      3) 4444                      4) 556                      5) 73.375
109. 4.5 16 25 33 38.5 42 43.5  
1) 16                      2) 42                      3) 33                      4) 43.5                      5) 25
110. 2222 1879 1663 1538 1474 1447 1440  
1) 1879                      2) 1538                      3) 1474                      4) 1447                      5) 1440
111. In a college, the ratio of boys to girls is 31 : 23 respectively. When 75 more girls join the college, this ratio becomes 124 : 107. How many more girls should join the college to make the number of boys and girls equal ?  
1) 75                      2) 90                      3) 60                      4) 85                      5) None
112. The compound interest accrued on a amount at the end of 2 yr at the rate of 12% per annum is Rs. 2862. What is the amount ?  
1) Rs. 11250                      2) Rs. 12200                      3) Rs. 13500                      4) Rs. 10000                      5) None
113. A 280 m long train, travelling at a uniform speed, crosses a platform in 60 s and a man standing on the platform in 20 s. What is the length of the platform ?  
1) 640 m                      2) 420 m                      3) 280 m                      4) Cannot be determined                      5) None
114. A triangle has two of its angles in the ratio of 1 : 2. If the measure of its third angle is  $30^\circ$ , what is the measure of the largest angle of the triangle in degrees ?  
1)  $100^\circ$                       2)  $90^\circ$                       3)  $135^\circ$                       4) Cannot be determined                      5) None
115. In how many different ways can be numbers '256974' be arranged, using each digit only once in each arrangement, such that the digits 6 and 5 are at the extreme ends in each arrangement ?  
1) 48                      2) 720                      3) 36                      4) 360                      5) None

**Directions (116 to 120)** Study the given information carefully and answer the questions that follow

An urn contains 3 red, 6 blue, 2 green and 4 yellow marbles.

116. If two marbles are picked at random, what is the probability that both are green ?  
1)  $\frac{2}{5}$                       2)  $\frac{1}{15}$                       3)  $\frac{2}{7}$                       4) 1                      5) None
117. If three marbles are picked at random, what is the probability that two are blue and one is yellow ?  
1)  $\frac{2}{15}$                       2)  $\frac{6}{91}$                       3)  $\frac{12}{91}$                       4)  $\frac{3}{15}$                       5) None
118. If four marbles are picked at random, what is the probability that at least one is yellow ?  
1)  $\frac{91}{123}$                       2)  $\frac{69}{91}$                       3)  $\frac{12}{143}$                       4)  $\frac{5}{91}$                       5) None
119. If two marbles are picked at random, what is the probability that either both are red or both are green ?  
1)  $\frac{3}{5}$                       2)  $\frac{4}{105}$                       3)  $\frac{2}{7}$                       4)  $\frac{5}{91}$                       5) None



120. If four marbles are picked at random, what is the probability that one is green, two are blue and one is red ?

- 1)  $\frac{4}{15}$       2)  $\frac{17}{208}$       3)  $\frac{6}{91}$       4)  $\frac{11}{15}$       5) None

**Directions (Q. 121 to 125)** Each of the questions given below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and give answer.

- (1) if the data in statement I alone is sufficient to answer the question, while that data in statement II alone is not sufficient to answer the question.  
 (2) if the data in statement II alone is sufficient to answer the questions, while the data in statement I alone is not sufficient to answer the question.  
 (3) if the data in statement I alone or in statement II alone is sufficient to answer the question.  
 (4) if the data in both the statements I and II is not sufficient to answer the questions.  
 (5) if the data in both the statement I and II together is necessary to answer the questions.

121. What is the two digit positive number ?

- I. Sum of the two digits of the number is 8.  
 II. Sum of the two digits is 3 more than the higher digit.

122. The symbol  $\infty$  represents one of the following operation addition, subtraction, multiplication or division. What is the value of  $6 \infty 4$  ?

- I.  $0 \infty 5 = 5$       II.  $5 \infty 0 = 5$

123. At what time did Poonam finish the job ?

- I. Poonam started working without a break on the job at exactly 9 am and by noon she had utilised exactly half the time that it took her to finish the job.  
 II. Poonam took exactly 6 h to finish the job.

124. Last year an employee received an annual salary of Rs.618000 which was paid in equal pay cheques throughout the year. What was the salary received in each of the pay cheques ?

- I. The employee received a total of 24 pay cheques during the year.  
 II. The employee received a pay cheque twice a month each month during the year.

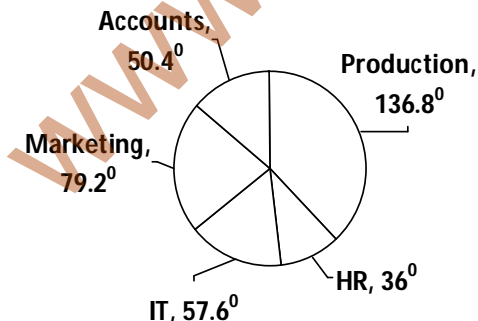
125. Is the sum of integers x and y greater than 85 ?

- I. The product of x and y is greater than 85.  
 II. One of the variables is greater than 83.

**Directions (Q. 126 to 130)** Study the following pie chart carefully to answer the questions :  
**Degree-wise break-up of employees working in various departments of an organization and the ratio of men to women**

Total number of employees = 3250

Respective ratio of men to women in each department



Department	Men : Women
Production	4 : 1
HR	12 : 13
IT	7 : 3
Marketing	3 : 2
Accounts	6 : 7

126. What is the number of men working in the Marketing department ?

- 1) 462      2) 454      3) 428      4) 424      5) None

127. What is the respective ratio of the number of women working in the HR department to the number of men working in the IT department ?

- 1) 11 : 12      2) 17 : 29      3) 13 : 28      4) 12 : 35      5) None

128. The number of men working in the production department of the organization forms what percent of the total number of employees working in that department ?  
 1) 88%                      2) 90%                      3) 75%                      4) 65%                      5) None
129. The number of women working in the IT department of the organization forms what per cent of the total number of employees in the organization from all departments together ?  
 1) 3.2%                      2) 4.8%                      3) 6.3%                      4) 5.6%                      5) None
130. What is the total number of men working in the organization ?  
 1) 2198                      2) 2147                      3) 2073                      4) 2236                      5) None

**Directions (Q.131 to 135)** In the following questions, two equations numbered I and II are given. You have to solve both the equations and given answer

- (1) if  $x > y$                       (2) if  $x \geq y$                       (3) if  $x < y$                       (4) if  $x \leq y$   
 (5) if  $x = y$  or the relationship cannot be established
131. I.  $x^2 + 5x + 6 = 0$                       II.  $y^2 + 3y + 2 = 0$   
 132. I.  $x^2 - 10x + 24 = 0$                       II.  $y^2 - 9y + 20 = 0$   
 133. I.  $x^2 = 961$                       II.  $y = \sqrt{961}$   
 134. I.  $x^2 - 72 = x$                       II.  $y^2 = 64$   
 135. I.  $x^2 - 463 = 321$                       II.  $y^2 - 421 = 308$

**Directions (Q.136 to 140)** Study the following table carefully and answer the question given below.

**Number of people taking fresh loans from different banks over the year and the percentage of defaulters amongst them each year**

Year	Bank				
	P	Q	R	S	T
2004	27361	26345	25467	28246	30164
2005	32081	27456	32461	29435	35128
2006	25361	28637	32652	29565	3244
2007	23654	29045	32561	28314	36152
2008	36125	30467	25495	23764	35463
2009	35465	31963	27649	24356	33214
2010	34135	31974	28283	2655	31264

**Approximate percentage of defaulters among them each year**

Year	Bank				
	P	Q	R	S	T
2004	12	9	15	13	19
2005	24	8	17	20	23
2006	22	13	16	21	25
2007	18	11	18	22	19
2008	12	10	13	23	18
2009	11	20	11	22	21
2010	9	21	12	21	23

136. Approximately how many people taking a loan from Bank S in the year 2006 were defaulters?  
 1) 6490                      2) 6210                      3) 5020                      4) 6550                      5) None
137. Approximately what was the difference between the number of defaulters of Bank Q in the year 2004 and 2005 ?  
 1) 175                      2) 125                      3) 190                      4) 205                      5) None
138. In which of the following years was the number of defaulters of Bank R, the maximum among the given years ?  
 1) 2005                      2) 2006                      3) 2007                      4) 2010                      5) None
139. In which of the following years was the difference in number of people taking loan from Bank P from the previous year the highest ?

- 
- 1) 2008      2) 2006      3) 2007      4) 2005      5) None
140. Approximately what was the total number of defaulters of Bank T in the years 2007 and 2008 to gether
- 1) 14110      2) 13620      3) 13250      4) 15330      5) None
141. Meera purchased two fans each at Rs.1200. She sold me fan at the loss of 5% and other at the gain of 10%. Find total gain or loss percentage
- 1) 1.2% loss      2) 1.2 profit      3) 2.5% profit      4) 2.5% loss      5) None
142. Two numbers are respectively, 20% and 50% more than a third number. What is the percentage of second with respect to first ?
- 1) 125%      2) 90%      3) 80%      4) 75%      5) None
143. Two pipes. A and B can fill a cistern in 15 and 20 min, respectively, Both the pipes are opened together but after 2 min, pipe A is turned off. What is the total time required to fill the tank ?
- 1)  $\frac{46}{3}$  min      2)  $\frac{52}{3}$  min      3)  $\frac{43}{3}$  min      4)  $\frac{41}{3}$  min      5) None
144. 36 workmen are employed to finish a certain piece of work in 48 days. But it is found that in 24 days, only two-fifth work is done. How many more men must be employed to finish the work in time ?
- 1) 16      2) 18      3) 20      4) 22      5) None
145. Tonu, Monu and Sonu divide an amount of Rs.4200 amongst themselves in the ratio of 7 : 8 : 6 If an amount of Rs. 200 is added to each of their shares, what will be the new respectively ratio of their shares of amount ?
- 1) 8 : 9 : 6      2) 7 : 9 : 5      3) 7 : 8 : 6      4) 8 : 9 : 7      5) None
146. A bag contains Rs. 1, 50 paise and 25 paise coins in the ratio of 8 : 9 : 11. If total money in the bag is Rs. 366, then find the number of 25 paise coins.
- 1) 264      2) 364      3) 241      4) 245      5) None
147. A person covers one-third of a particular distance at a speed of 30 km/h, next one - third at a speed of 15 km/h and the remaining one - third at a speed of 10 km/h. Find his average speed.
- 1) 10 km/h      2) 15 km/h      3) 30 km/h      4) 20 km/h      5) None
148. After 3 yr, Arum will be thrice of his age 3 yr ago. The present age of Arun, is
- 1) 7 yr      2) 6 yr      3) 15 yr      4) 18 yr      5) None
149. If the length and breadth of a rectangle are increased by 8% and 4%, respectively. By what percent does the area of the rectangle increased ?
- 1) 12%      2) 12.32%      3) 12.98%      4) 13.42%      5) None
150. If the cost price and selling price of an article are in the ratio of 10 : 11, find the profit percentage.
- 1) 10      2) 9      3) 3      4) 1      5) None

### **REASONING**

151. In a certain code GONE is written as '5%2#' and MEDAL is written as '4#3\$@'. How is GOLD written in that code?
- 1)5@%3      2)5%@3      3)5#@3      4)5%#3      5) None
152. Among A, B, C, D and E, each having scored different marks, B has scored more marks than E and D. B has not scored the highest marks among them. Who among them scored the second-highest marks?
- 1)B    2)C      3)E      4)D      5) Data inadequate
153. In a certain code language 'how old are you' is written as '9 7 3 4' and 'he is old' is written as '2 7 5'. How is the ' written in that code language?'
- 1)2    2)5      3) 2 or 5      4) Data inadequate    5) None
154. W walked 30 metres towards South, took a left turn and walked 50 metres, again he took a left turn and walked 30 metres. How far is he from the starting point?
- 1)80 metres      2) 100 metres      3)130metres      4)50metres      5) None
155. What should come next in the following number series?
-

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

1)1                      2)5                      3)3                      4) 5                      5) None

156. M is brother of K. T is sister of K. R is father of M. J is wife of R. How many sons does J have?

1)2                      2)1                      3)4                      4) Data inadequate 5) None

157. How many such pairs of letters are there in the word CONTRAST each of which has as many letters between them in the word as in the. English alphabet?

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

158. How many meaningful English words can be made with the letters DREO using each letter only once in each word?

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

159. In a row of forty boys facing North, R is twelfth from the left end and T is eighteenth from the right end. How many boys are between R and T in the row?

1)10 2)11                      3)12                      4) Cannot be determined                      5) None

160. Mohit correctly remembers that his father's birthday is not after eighteenth of April. His sister correctly remembers that their father's birthday is before twentieth but after seventeenth of April. On which day in April was definitely their father's birthday?

1) Seventeenth 2) Nineteenth 3) Eighteenth 4) Seventeenth or Eighteenth 5) None

**Directions (Q. 161-165):** In each of the questions below are given four statements followed by four conclusions numbered I, II, III & IV. You have to take the given statements to be true even if they seem to be at Variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

161. Statements:

All rockets are poles.  
Some poles are trams.  
Some trams are ropes.  
All ropes are tents.

Conclusions:

I. Some tents are trams.  
II. Some ropes are rockets.  
III. Some trams are rockets.  
IV. Some poles are rockets.

1) Only I and II follow                      2) Only I, II and III follow  
3) Only I and III follow                      4) Only I and IV follow

5) None

162. Statements:

All dials are minors.  
All mirrors are spoons.  
Some spoons are decks.  
Some decks are chairs.

Conclusions:

I. Some decks are mirrors.  
II. Some spoons are dials.  
III. Some decks are dials.  
IV. Some chairs are spoons.

1) None follows 2) Only I follows 3) Only II follows 4) Only III follows 5) Only IV follows

163. Statements:

Some houses are forests.  
All forests are trees.  
Some trees are hills.  
All hills are buses.

Conclusions:

I. Some buses are trees.  
II. Some trees are houses.  
III. Some hills are houses.  
IV. Some buses are forests.

1) Only I and II follow                      2) Only I, II and IV follow  
3) Only I, II and III follow                      4) All I, II, III and IV follow

5) None

164. Statements:

Some lakes are rivers.  
Some rivers are mountains.  
Some mountains are books.  
Some books are papers.

Conclusions:

I. Some books are rivers.  
II. Some papers are lakes.

---

III. Some mountains are lakes.

IV. No paper is a lake.

1) None follows

2) Only either II or IV follows

3) Only II follows

4) Only IV follows

5) Only either II or IV and III follow

165. Statements:

Some tigers are horses.

All horses are goats.

All goats are dogs.

Some dogs are cats.

Conclusions:

I. Some cats are tigers.

II. Some dogs are horses.

III. Some goats are tigers.

IV. Some cats are horses.

1) Only I and II follow

2) Only I, II and III follow

3) Only II and III follow

4) Only II, III and IV follow

5) None

**Directions (Q. 166-170):** Study the following information carefully and answer the questions given below:

P, Q, R, S, T, V, W and Z are sitting round a circle facing the 'centre'. T is second to the right of R, who is third to the right of P. S is second to the left of P and fourth to the right of Q. Z is third to the right of V, who is not an immediate neighbour of P.

166. In which of the following combinations is the first person sitting between the second and the third persons?

1) VTS

2) TZS

3) QRV

4) PWQ

5) VRT

167. Who is second to the right of T?

1) S

2) Z

3) P

4) R

5) None

168. What is P's position with respect to S?

1) Fourth to the left

2) Fourth to the right

3) Fifth to the left

4) Sixth to the left

5) Third to the right

169. Who is on the immediate left of Z?

1) T

2) P

3) S

4) V

5) None

170. Who is second to the right of W?

1) R

2) Q

3) Z

4) S

5) None

**Directions (171-175):** Study the following information carefully and answer the given questions:

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

Input : gone 93 over 46 84 now for 31

Step I : 31 gone 93 over 46 84 now for

Step II : 31 over gone 93 46 84 now for

Step III : 31 over 46 gone 93 84 now for

Step IV : 31 over 46 now gone 93 84 for

Step V : 31 over 46 now 84 gone 93 for and

Step V is the last step of the rearrangement of the above input.

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

171. Step III of an Input: 15 window 29 93 86 sail tower buy Which of the following will be step VI?

1) 15 window 29 tower 86 sail 93 buy

2) 15 window 29 tower 86 93 sail buy

3) 15 window 29 tower 93 86 sail buy

4) There will be no such step

5) None

172. Input: station hurry 39 67 all men 86 59

How many steps will be required to complete the rearrangement?

1) Four

2) Five

3) Six

4) Three

5) None

173. Step U of an input is: 49 zone car battery 56 87 71 down . Which of the following is definitely the input?

---

- 1) car 49 battery zone 56 8771 down  
 2) zone 49 car battery 56 87 71 down  
 3) battery car 49 zone 56 87 71 down  
 4) Cannot be determined  
 5) None
174. Input: news 79 53 glory for 46 29 task Which of the following will be step IV?  
 1) 29 task 46 news 53 glory 79 for 2) 29 task 46 news 53 79 glory for  
 3) 29 task 46 news 79 53 glory for 4) 29 news 79 53 glory for 46 task 5) None
175. Step III of an input is: 27 tube 34 gas chamber row 74 53 Which of the following steps will be the last but one?  
 1) VI 2) VII 3) VIII 4) V 5) None

**Directions (Q. 176-180):** Study the following information carefully and answer the questions given below:

A, B, C, D, E, F, G and H are eight students of a school. They study in Std VI, VII and VIII with not more than three in any Std. Each of them has a favourite subject from Physics, Geography, English, Marathi, Mathematics, Chemistry, Biology and Economics not necessarily in the same order.

D likes Chemistry and studies in Std VIII with only H. B. does not study in Std VII. E and A study in the same Std but not with B. C and F study in the same Std. Those who study in Std VI do not like Mathematics or Biology. F likes Physics. The one who studies in Std VIII likes English. C does not like Geography. A's favourite subject is Marathi and G does not like Biology.

176. Which subject does H like?  
 1) English 2) Marathi 3) Science 4) Data inadequate 5) None
177. What is G's favourite subject?  
 1) Biology 2) Physics 3) Marathi 4) Data inadequate 5) None
178. What is C's favourite subject?  
 1) Economics 2) Biology 3) English 4) Geography  
 5) Data inadequate
179. Which of the following combinations of student-Std Subject is correct?  
 1) C-VII-Economks 2) D-VI-Chemistry  
 3) G-VII-Physics 4) B -V1TI - Mathematics 5) None is correct
180. Which of the following groups of students study in Std VII?  
 1) EAF 2) ECG 3) EAG 4) Data inadequate 5) None

**Directions (Q. 181-190):** Study the following information carefully and answer the questions given below:

Following are the conditions for selecting Marketing Manager in an organization:  
 The candidate must

- (i) be a graduate in any discipline with at least 55 per cent marks.
- (ii) have a postgraduate degree/diploma in Marketing Management with at least 60 per cent marks.
- (iii) have post-qualification work experience of at least five years in the marketing division of an organisation.
- (iv) have secured at least 45 per cent marks in the selection examination.
- (v) have secured at least 40 per cent marks in the selection interview.

In the case of a candidate who satisfies all the conditions except <sup>1</sup>

- (a) at (iii) above, but has post-qualification work experience of atleast three years as Deputy Marketing Manager, the case is to be referred to GM-Marketing.
- (b) at (v) above, but has secured at least 60 per cent marks in the selection examination, the case is to be referred to VPrMarketing. X

In each question below, details of one candidate are given. You have to take one of the following courses of action based on the information provided and the conditions and sub-conditions given above and mark the number of that course of action as your answer. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 01.05.2010.

- Mark answer 1) if the candidate is to be selected. .
- Mark answer 2) if the candidate is not to be selected.
- Mark answer 3) if the case is to be referred to GM-Marketing.
- Mark answer 4) if the case is to be referred to VP-Marketing.
- Mark answer 5) if the data provided are not adequate to take a decision.

- 
181. Nidhi Agrawal has secured 60 per cent marks in the selection interview and 40 per cent marks in the selection examination. She has been working in the marketing division of an organisation for the past eight years after completing her postgraduate degree in Marketing Management with 65 per cent marks. She has secured 59 per centmarks in BSc.
182. Navin Desai has secured 56 per cent marks in BA. He has been working in the marketing division of an organisation for the past seven years after completing his postgraduate degree in Marketing with 62 per cent marks. He has secured 62 per cent marks in the selection examination and 38 per cent marks in the selection interview.
183. Sabina Handa has been working for the past four years as Deputy Marketing Manager in an organisation after completing her postgraduate diploma in Marketing Management with 65 per cent marks. She has secured 45 percentmarks in both selection examination and selection interview. She has also secured 58 per cent marks in BCom.
184. Manoj Malhotra has secured 65 per cent marks jn BSc and 60.per cent marks in postgraduate degree in Marketing Management. He has also secured 50 per cent marks in both selection examination and selection interview. He has been working in the marketing division of an organisation for the past six years after completing his postgraduation in Marketing.
185. VarshaAkolkar has secured 59 per centmarks in B A. She has secured 42 per cent marks in the selection interview and 48 per centmarks in the selection examination. She has been working in the marketing division of an organisation for the past seven years after completing her postgraduation in Marketing Management with 57 per cent marks.
186. Utpal Goswamihas been working in the marketing division of an organisation for the past five years after completing his postgraduate diploma in Marketing Management with 65 per centmarks. He is a first-class Science-graduate with per centmarks. He has secured 45 per cent marks in the selection examination and 40 per centmarks in the selection interview.
187. Anindita Ghosh has been working for the past eight years in an organisation after completing her postgraduate degree in Marketing Management with 70 per cent marks. She has secured 56 per cent marks in BA. She has also secured 50 per cent marks in the selection examination and 45 per cent marks in.the selection interview.
188. Samir Phukan has been working in the marketing division of an organisation for the past five years after completing his post graduate diploma in management with 65 per cent marks. He has secured 60 per cent marks in BCom. He has also secured 50 per cent marks in both selection examination and selection interview.
189. Nimisha Patil Has secured 59 per cent marks in BCom. She has also secured 50 per cent marks in both selection examination<sup>1</sup> and the selection interview. She has been working as Deputy Marketing Manager in an organisation for the past three years after completing her postgraduate degree in Marketing Management with 63 per cent marks. .
190. Sadashiv Ghatgenas secured 60 per cent marks in BCom. He has been working for the past five years in the marketing division ofan organisation after completing his postgraduate degree in Marketing Management with 68% marks. He has secured 35 per cent marks in the selection interviewand 62percentmarksintheselectionexamination.

**Directions (Q. 191-195):** In each question below is given a statement followed by two assumptions numbered I and II An assumption is something sup posed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement

Giveanswer 1) if only Assumption I is implicit. Give answer 2) if only Assumption II is implicit.

Give answer 3) if either Assumption I or Assumption II . is implicit.

Give answer 4) if neither Assumption I nor Assumption II is implicit.

Give answer 5) if both Assumptions 1 and II are implicit

191. Statement: The largest domestic airlines corporation has announced new summer schedules in which more number of flights in trunk routes are introduced.

Assumptions:

I. More number of passengers may travel by this airlines corporation during summer months in trunk routes.

II. Other airlines companies may also increase the. number of flights in all the sectors.

192. Statement: The chairman of the company decided to hold a grand function to celebrate silver jubilee during the next weekend and invited a large number of guests.

Assumptions:

I. The company officials may be able to make all the necessary preparations for the silver jubilee celebration.

II. Majority of the guests invited by the chairman may attend the function.

193. Statement: The largest computer manufacturing company slashed the prices of most of the desktop models by about 15 per cent with immediate effect.

Assumptions:

I. The company may incur heavy losses due to reduction in prices of the desktop.

II. The sales of desktop manufactured by the company may increase substantially in the near future.

194. Statement: The school authority decided to rent out the school premises during weekends and holidays for organising various functions to augment its resources to meet the growing needs of the school.

Assumptions:

I. The parents of the school students may protest against the decision of the school authority.

II. There may not be enough demand for hiring the school premises for organising functions.

195. Statement: The local civic body has urged all the residents to voluntarily reduce consumption of potable water by about 30 per cent to tide over the water crisis.

Assumptions:

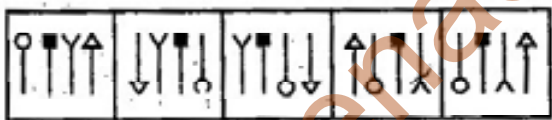
I. Many residents may reduce consumption of potable water.


II. Many activists may welcome the civic body's move and spread awareness among residents.


**Directions (Q. 196-200):** In each of the questions given below, which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?

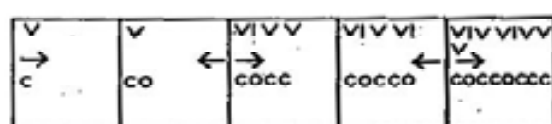
**PROBLEM FIGURES**


**ANSWER FIGURES**

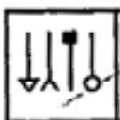
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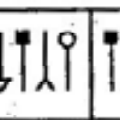
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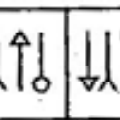
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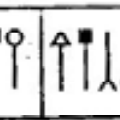
199. 


200. 


1) 

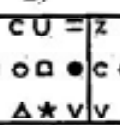
2) 

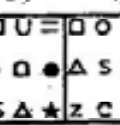
3) 

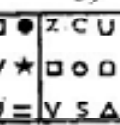
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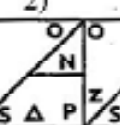
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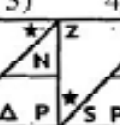
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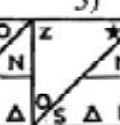
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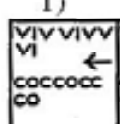
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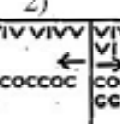
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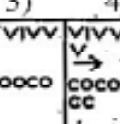
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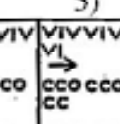
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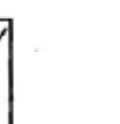
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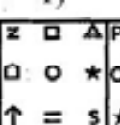
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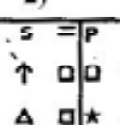
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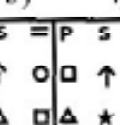
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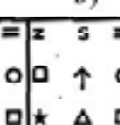
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1) 

2) 

3) 

4) 

5) 



# KEY

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16.1	17.4	18.3	19.2	20.2	21.4	22.5	23.3	24.2	25.4	26.1	27.4	28.5	29.2	30.3
31.4	32.5	33.2	34.3	35.1	36.2	37.4	38.5	39.3	40.1	41.2	42.4	43.1	44.3	45.5
46.4	47.2	48.1	49.3	50.5	51.3	52.2	53.2	54.4	55.2	56.2	57.2	58.2	59.1	60.3
61.4	62.3	63.4	64.2	65.3	66.2	67.4	68.4	69.2	70.1	71.1	72.4	73.2	74.2	75.3
76.3	77.4	78.3	79.1	80.1	81.3	82.3	83.3	84.4	85.2	86.4	87.2	88.3	89.3	90.1
91.3	92.4	93.2	94.3	95.4	96.4	97.2	98.3	99.3	100.2	101.2	102.4	103.4	104.5	105.4
106.2	107.1	108.5	109.5	110.5	111.4	112.5	113.5	114.1	115.1	116.5	117.3	118.2	119.2	120.3
121.5	122.1	123.3	124.3	125.5	126.5	127.3	128.5	129.2	130.2	131.4	132.5	133.4	134.5	135.5
136.2	137.1	138.3	139.1	140.3	141.3	142.1	143.2	144.2	145.4	146.1	147.2	148.2	149.2	150.1
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166.5	167.2	168.4	169.3	170.1	171.1	172.2	173.4	174.2	175.4	176.1	177.5	178.1	179.5	180.3
181.2	182.4	183.3	184.1	185.2	186.1	187.5	188.5	189.3	190.4	191.1	192.5	193.2	194.4	195.1
196.4	197.5	198.2	199.1	200.3										

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