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PRACTICE SETS

INTELLIGENCE BUREAU (IB)
ASSISTANT CENTRAL INTELLIGENCE OFFICER (ACIO)
Grade-II (Executive) Tier-I Exam-2010

DIRECTIONS (Qs. 1-5) : *Select the one which is different from the other three responses.*

1. (a) 18 - 63   (b) 20 - 70
    (c) 5 - 17.5   (d) 14 - 42
2. (a) COPPER   (b) BRASS
    (c) SILVER   (d) ZINC
3. (a) U O A Z   (b) E I O Y
    (c) I A E O   (d) A U I L
4.
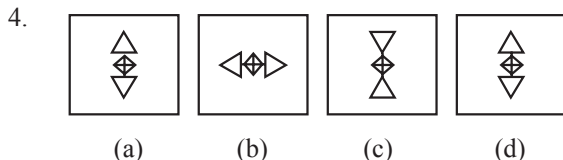
          (a)   (b)   (c)   (d)
5. (a) AD EH   (b) PU GL
    (c) IL MP   (d) SV WZ
6. Choose the group of words that shows the same relationship as in -
    Shirt, Pant, Tie, Dress
    (a) Blue, White, Green, Red
    (b) Pencil, Paper, Pen, Book
    (c) Pedicel, Sepals, Petals, Flower
    (d) Sweet, Bitter, Saltish, Hot

DIRECTIONS - (Qs. 7-13) : *Select the related letters/ number/ figure from the given alternatives -*

7. CUZA : HYCC : : NNJO : ?
    (a) TURS   (b) SRMQ
    (c) TRMP   (d) SSNR
8. **Question Figures :**
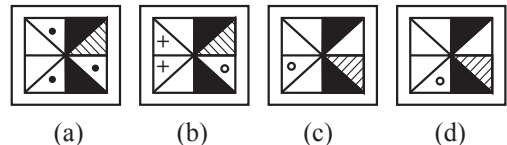
9. BLOCKED : YOLXPVW : : ? : OZFMXS
    (a) LABOUR
    (b) LAUNCH
    (c) NAUGHT
    (d) RESULT
10. 122 : 170 : : 290 : ?
    (a) 299   (b) 332
    (c) 362   (d) 344
11. **Question Figures :**

C	F		F	J		D	H
J	O	:	O	C	::	M	S	: **?**

Answer Figures :

H	M		M	H		H	M		M	H
S	H		Z	B		S	D		Y	D
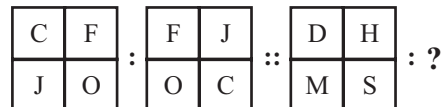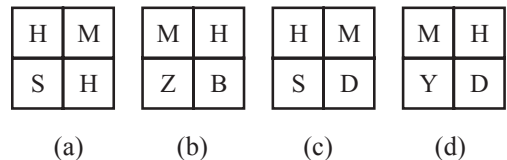
          (a)   (b)   (c)   (d)
12. 11 : 19 : : ? : 67
    (a) 219   (b) 43
    (c) 259   (d) 175
13. **Question Figures :**

Answer Figures :

          (a)   (b)   (c)   (d)

Answer Figures :

          (a)   (b)   (c)   (d)
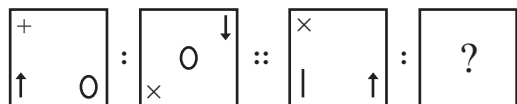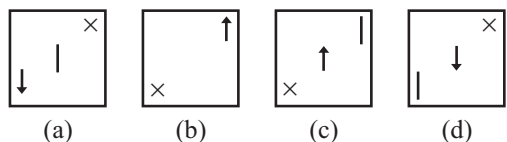
14. A series of figures is given which can be grouped into classes. From the responses, select the group into which the figures can be classified -

(a) 3, 6, 9, 2, 4, 8, 1, 5, 7
(b) 1, 4, 7, 2, 5, 9, 3, 6, 8
(c) 2, 5, 7, 4, 6, 8, 1, 3, 9
(d) 1, 3, 8, 4, 7, 6, 2, 5, 9

15. Arrange the following in reverse logical order -
    1. Saree
    2. Silk worm
    3. Thread
    4. Cocoon
    5. Design
    (a) 5, 1, 3, 4, 2   (b) 1, 5, 4, 3, 2
    (c) 5, 1, 2, 3, 4   (d) 4, 1, 5, 2, 3

16. From the given alternatives select the one which is most like the given set in the question-
               5, H, 13
    (a) 15, N, 26
    (b) 16, S, 35
    (c) 17, J, 29
    (d) 19, M, 34

17. Arrange the following in a logical order.
    1. Index
    2. Contents
    3. Title
    4. Chapters
    5. Introduction
    (a) 2, 3, 4, 5, 1   (b) 3, 2, 5, 4, 1
    (c) 5, 1, 4, 2, 3   (d) 3, 2, 5, 1, 4

18. If = stands for ÷, + stands for ×, – stands for =, > stands for <, ÷ stands for +, × stands for – and < stands for >, then which of the following statements is not correct?
    (a) 4 ÷ 6 < 12 × 10 = 2
    (b) 4 ÷ 8 – 4 + 3 < 5 ÷ 2
   (c) 12 = 3 – 4 – 8 = 2
    (d) 12 ÷ 6 – 18 > 4 × 3 = 12

19. If A denotes ×, B denotes ÷, C denotes + and D denotes –, then which of the following statements is true?

(a) 9 A 3 C 14 D 2 A 16 B 4 = 33
(b) 6 A 4 C 15 B 5 A 16 A 6 = $\dfrac{106}{4}$
(c) 8 B 2 A 14 B 2 A 6 B 3 = 68
(d) 26 C 48 B 2 A 5 C 14 C 3 = 66

DIRECTIONS - (Qs. 20-25) : *A series is given with one/two terms missing. Choose the correct alternative from the given ones that will complete the series.*

20. **Question Figures :**

Answer Figures :

   (a)   (b)   (c)   (d)
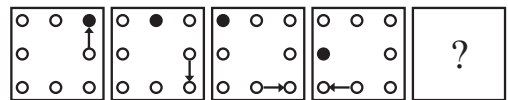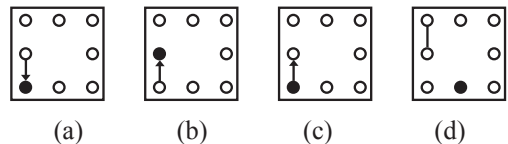
21. **Question Figures :**

Answer Figures :

   (a)   (b)   (c)   (d)
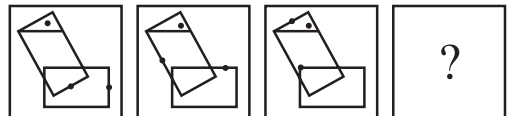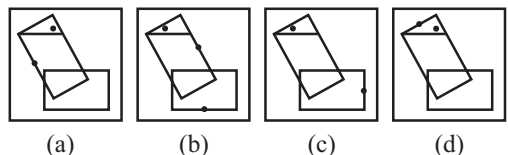
22. D I L Q T Y B G ? ?
    (a) L O   (b) H L
    (c) J M   (d) J O

23. NXZ KVX HTV ERT ?
    (a) CQS   (b) BPR
    (c) BOQ   (d) DSU

24. 3, 8, 11, 19, 30, 49, ?
    (a) 87   (b) 79
    (c) 77   (d) 73

25. 11, 7, 11, 11, 13, 15, 13, 19, 15, 23 ??
    (a) 23, 15
    (b) 15, 27
    (c) 19, 13
    (d) 27, 23

DIRECTIONS (Qs. 26-27) : *Some equations are solved on the basis of a certain system. On the same basis, find out the correct answer from amongst the four alternatives for the unsolved equation in each question.*

26. 5 + 2 + 1 = 25105
     4 + 7 + 1 = 20355
     6 + 3 + 1 = ?
     (a) 25355   (b) 30155
     (c) 30155   (d) 30905

27. If 72 × 54 = F and 58 × 21 = J, what is 65 × 28?
     (a) N   (b) M
     (c) O   (d) P

28. If 'KRSH' means 'Hope', write 'Chair' in code language
     (a) DGBJK   (b) DGDLV
     (c) FGDLV   (d) FKDLU

29. If CHAIN : 381914 : : HAND : ?
     (a) 83114   (b) 81144
     (c) 84113   (d) 41138

DIRECTIONS (Qs. 30-31) : *One/ two statement(s) is/ are given followed by two conclusions/ assumptions (I) and (II). You have to consider the statement(s) to be true, even if it/ they seem(s) to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow(s) from the given statement(s).*

30. **Statements :** Cultured persons are an asset to the society.
     Assumptions :
     I.   Dress and decency are not essential part of culture.
     II. Men of many achievements are a source of advancement.
     (a) Only I is implicit
     (b) Only II is implicit
     (c) Both I and II are implicit
     (d) Neither I nor II is implicit

31. **Statements :**
     I.   All rivers are mountains.
     II. Some rivers are deserts.
     Conclusions :
     I.   Some mountains are deserts.
     II. Some deserts are not mountains.

     (a) Only I is implicit
     (b) Only II is implicit
     (c) Both I and II are implicit
     (d) Neither I nor II is implicit

32. I started from *P* and walked towards North 2 km I turned towards right and walked 2 kms, and then I turned to my left and reached a point 2 km then I turned to my right and walked further 2 km. Now how far is it from my original point if I walked 4 km towards right?
     (a) 2 km   (b) 4 km
     (c) 6 km   (d) 1 km

33. Which one of the answer figures is hidden in the following question figure?

     Question Figure :
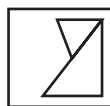
     Answer Figures :
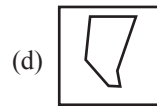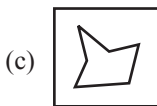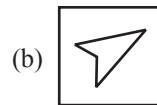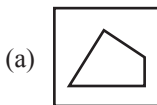
34. *A* and *B* travel towards west a distance of 10 km, starting from the same point. Then both of them take opposite directions, *A* going towards south and *B* towards north for 5 km. If both of them want to come back to starting point by the shortest route, in what directions should *A* and *B* travel?
     (a) *A* - East and *B* - West
     (b) *A* - South-east and *B* - North-east
     (c) *A* - South-east and *B* - North-west
     (d) *A* - North-east and *B* - South-east

35. From the given alternative words, select the word which can be formed using the letter of the given word.

     UMBRELLA
     (a) LABEL   (b) BARREL
     (c) DUMB   (d) MALARIA

36. The question figure is hidden in which one of the following answer figures?

Question Figure :

Answer Figures :
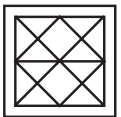
(a)　　　(b)　　　(c)　　　(d)

37. From the given alternative words, select the words which cannot be formed using the letters of the given word.

　　'NEUROTRANSMITTER'
(a) NEURON　　　　(b) MISTER
(c) TRANSISTER　　(d) TERMINATE

DIRECTIONS (Qs. 38-39) : *Select the missing number from the given responses.*

38.

(a) 5　　　　　　(b) 12
(c) 9　　　　　　(d) 6

39.
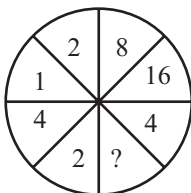
(a) 8　　　　　　(b) 6
(c) 16　　　　　(d) 64

40. The six faces of a cube are coloured in black, green, red, white and blue where -
(i) Red is opposite of black
(ii) Green is between red and black
(iii) Blue is adjacent ot white
(iv) Brown is adjacent to blue
(v) Red is at the bottom
Which colour is opposite of brown?
(a) White　　　　(b) Red
(c) Green　　　　(d) Blue

41. A family consists of grandmother, father, mother four sons and their wives and one son and two daughters to each of the sons. How many females are in the family?
(a) 14　　　　　　(b) 16
(c) 18　　　　　　(d) 24

42. A square paper is folded in a particular manner and a punch is made. When unfolded, the paper appears as given below -
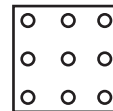
Find out the manner in which the paper is folded and punch is made from the responses given -
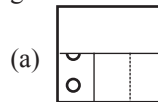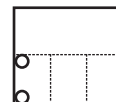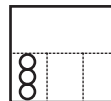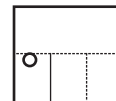
43. When an octagonal sheet paper is folded twice and punched as shown in main figure, which of the four answers given below show exactly when paper is unfolded?

Question Figure :
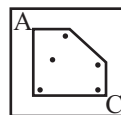
Answer Figure :
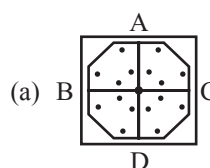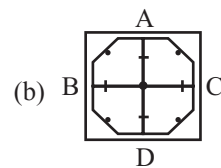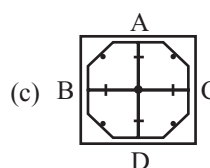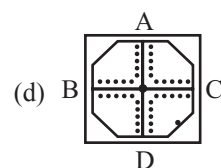
44. In a dinner party both fish and meet were served. Some took only fish and some only meat. Some vegetarians didn't accept either while rest accepted both. Which of the following logically reflects this relationship?

(a)
(b)
(c)
(d)
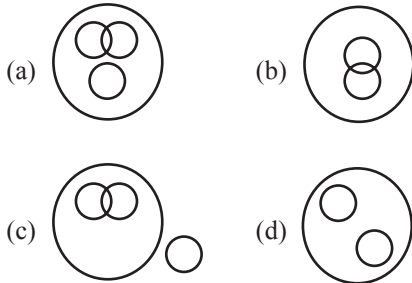
45. If the squares given below consisting of the numbers shown against them are folded into cube which number will appear opposite 2?

Question Figure :
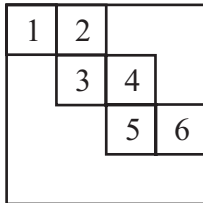
(a) 5   (b) 6
(c) 4   (d) 1

46. Find the rural corrupt politicians in the following diagram–
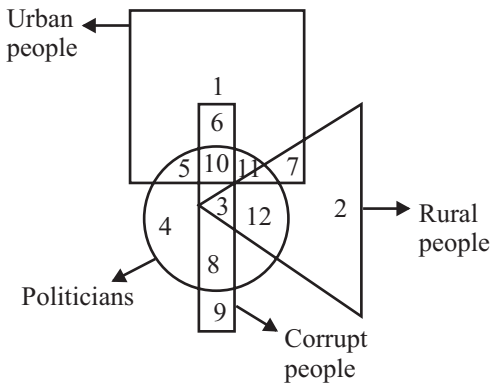
(a) 3   (b) 9
(c) 10   (d) 6

DIRECTIONS (Qs. 47-48) : *Which answer figure will complete the question figures?*

47. **Question Figure :**

Answer Figures :

(a)   (b)   (c)   (d)
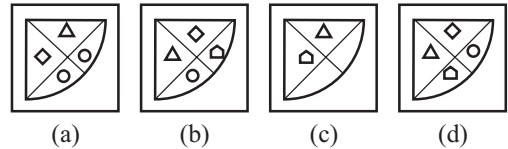
48. **Question Figure :**

Answer Figures :

(a)   (b)   (c)   (d)
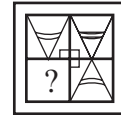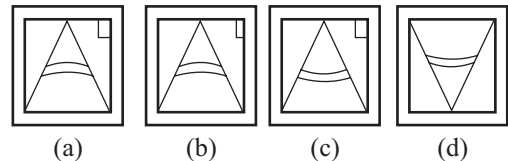
49. Few cubical blocks are arranged as in the figure. How many cubical blocks are unseen?
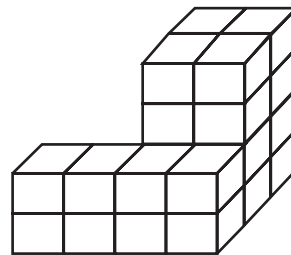
(a) 8   (b) 5
(c) 4   (d) 10

50. Rahim's father is three times as old as Rahim. If sum of their ages is 56. Find the father's age –
(a) 38 years
(b) 40 years
(c) 42 years
(d) 48 years

PART-II: English Language and Comprehension

DIRECTIONS (Qs. 51-55) : *Choose the word opposite in meaning to the given word and mark it in the Answer sheet.*

51. FLAGITIOUS
    (a) Innocent   (b) Vapid
    (c) Ignorant   (d) Frivolous

52. LIABILITY
    (a) Property   (b) Assets
    (c) Debt   (d) Teasure

53. VIRTUOUS
    (a) Wicked   (b) Corrupt
    (c) Vicious   (d) Scandalous

54. IMPLICATE–
    (a) Disentangle   (b) Impersonate
    (c) Complicate   (d) Impose

55. INGEST–
    (a) Disrupt   (b) Disgorge
    (c) Dismiss   (d) Display

DIRECTIONS - (Qs. 56-60) : *In each sentence below, four words which are lettered (a), (b), (c) and (d) have been printed in bold type, one of which may be either inappropriate in the context of the sentence or wrongly spelt. The letter of that word is the answer. If all the four words are appropriate and also correctly spelt, mark '(e)', i.e. 'All correct' as the answer.*

56. (a) He was **invited**/ (b) **differentiate** between what is/ (c) **desirable** and/ (d) **what** is not/ (e) All correct.

57. (a) He was **invited**/ (b) to **attend** the/ (c) **inaugural** of the all party/ (d) **meat.**/ (e) All correct.

58. (a) A **monstrous**/ (b) **snake** came up the/ (c) **hollow**/ (d) **trunk** of tree./ (e) All correct.

59. (a) **Scents** have/ (b) **utter**/ (c) **disregard** for wealth and/ (d) **worldly** matters.(e) All correct.

60. (a) People take **undue**/ (b) **advantage** of his/ (c) **simplicity** and/ (d) **chit** him./ (e) All correct.

DIRECTIONS (Qs. 61-67) : *Groups of four words are given. In each group, one word is correctly spelt. Find the correctly spelt word and mark your answer in the Answer sheet.*

61. (a) Survaillance   (b) Surveillance
    (c) Survellance   (d) Surveilance

62. (a) Sepulchral   (b) Sepulchrle
    (c) Sepalchral   (d) Sepalchrle

63. (a) Eflorescene   (b) Efllorescence
    (c) Efflorescence   (d) Efflorascence

64. (a) Itinarery   (b) Itinerary
    (c) Itenerary   (d) Itinarary

65. (a) Bouquete   (b) Bouquette
    (c) Bouquet   (d) Boquet

66. (a) Renaisance   (b) Renaissance
    (c) Rennaissance   (d) Rennaisance

67. (a) Lckadaisicle   (b) Lackdaisical
    (c) Lackadisical   (d) Lackadaisical

DIRECTIONS (Qs. 68-70) : *Four alternatives are given for the idiom/phrase bold part in the sentence. Choose the alternative which best expresses the meaning of the idiom/ phrase and mark it in the Answer sheet.*

68. A Prime Minister cannot **ride rough shod** over his ministerial colleagues for long.
    (a) deal unkindly with
    (b) take for granted
    (c) be hamhanded with
    (d) exploit willfully

69. He was **down in the mouth** as he was defected in the elections.
    (a) unable to speak
    (b) very depressed
    (c) very angry
    (d) very confused

70. The noble man **gave up** the ghost.
    (a) left the ghost
    (b) lived like a ghost
    (c) invited ghost
    (d) died

DIRECTIONS (Qs. 71-75) : *Out of the four alternatives, choose the one which can be substituted for the given words/ sentences and indicate it by blackening the appropriate rectangle in the Answer sheet.*

71. The time between midnight and noon ___
    (a) Afternoon   (b) Antipodes
    (c) Anti-meridiem   (d) Antenatal

72. A situation when people do not have much money to spend ___
    (a) Austerity   (b) Cyborg
    (c) Granulated   (d) Kilter

73. Fear of height ___
    (a) Agoraphobia   (b) Hydrophobia
    (c) Acrophobia   (d) Pyrophobia

74. Still existing and known ___
    (a) Extent   (b) Extant
    (c) External   (d) Immanent

75. A remedy for all ills ___
    (a) Narcotic   (b) Panacea
    (c) Medicine   (d) Quack

DIRECTIONS (Qs. 76-80) : *The fir and the last sentence of the passage are numbered 1 and 6. The rest of the passage is split into four parts and named P, Q, R and S. These four parts are not given in their proper order. Read the sentence and find out which of the four combinations is correct. Then find the correct answer and indicate it in the Answer sheet.*

76. 1. There are some places that experience heavy rains throughout the year.
    P. So, the local administration should take steps to provide a proper drainage system to clear the stagnant water.
    Q. If water stagnates on the road sides, it leads to the spread of infectious diseases.
    R. Additionally, measures should be taken to spray disinfectants.
    S. In such places, people adapt themselves to moist weather.
    6. By taking such steps, spread of diseases can be checked.
    (a) QPSR   (b) SQPR
    (c) RSQP   (d) PQSR

77. 1. Addiction to alcoholic drinks affects the social life of the people.
    P. Gradually drinking becomes a habit.
    Q. The person becomes an addict.
    R. When once it becomes a habit, it is difficult to give up.
    S. A person begins to drink just for the fun of it.
    6. If he doesn't have his bottle of drink, he becomes restless.
    (a) SPRQ   (b) SRQP
    (c) QRPS   (d) QPRS

78. 1. Braille lost his eyesight accidentally as a child.
    P. In his days, the few books that were available for blind people were printed in big, raised type.
    Q. After that he became a teacher.
    R. The letters used were those of the ordinary alphabet.
    S. Nevertheless, he was able to complete his education at a school for the blind in Paris.
    6. Braille's idea was to use raised dots instead of raised letters.
    (a) PQRS   (b) SQPR
    (c) SRPQ   (d) QPRS

79. 1. What are the strategies to strengthen reading habits among early literates, school dropouts and even adults?
    P. Normally, subtitles for a film, say in Hindi, will be in some other language, say, English.
    Q. According to a research survey, SLS "doubles and even triples the role of reading improvement that children may be achieving though formal education."
    R. But SLS harps on the argument that since the film viewers are familiar with the scropt, they can read the words in their favourite dialogues and films.
    S. One of the novel and effective strategies is Same Language Subtitles (SLS), which was introduced in Ahmedabad in 1996.

6. Since, a huge number of children and adults watch TV for entertainment even in the rural areas of India, why not use this resource to get an educational benefit out of it?
(a) PQSR   (b) PRQS
(c) SPRQ   (d) SQRP

80. 1. Disappointment doesn't equal failure.
P. When you feel disappointment, you can either seek comfort or seek a solution.
Q. First, step back, stop what you're doing, and try to obtain some comfort but don't get trapped into staying comfortable.
R. The best approach includes some of both.
S. Seen in a positive light, it can stimulate learning and growth.
6. Having licked your wounds, prepare for another effort based on a new solution to the problem.
(a) SRQP   (b) RSPQ
(c) SPRQ   (d) PRSQ

DIRECTIONS (Qs. 81-85) : *A sentence has been given in Active Voice/ Passive Voice. Out of the four alternatives suggested, select the one which best express the same sentence in Passive/Active Voice and mark your answer int he Answer sheet.*

81. Who will have broken the Gramophone record?
(a) By whom the Gramophone record has been broken?
(b) By whom have the Gramophone record been broken?
(c) By whom will have the Gramophone record been broken?
(d) By whom has the Gramophone record been broken?

82. People once believed that the sun was a God -
(a) The sun is once being believed to be a God
(b) The sun has once been believed to be a God
(c) It was once believed that the sun was a God
(d) It is once believed that the sun is a God

83. Can we send this parcel by air mail?
(a) By air mail, can this parcel be sent?
(b) Can this parcel be send by air mail?
(c) Can this parcel be sent by air mail?
(d) Can by air mail, this parcel be sent?

84. People ought to speak about such things in public -
(a) Such things ought to be not spoken about in public by people.
(b) Such things ought not to be spoken about in public
(c) Such things ought to be spoken about not in public
(d) Let such things ought not be spoken about in public by people

85. I shall be complemented by at when I win the game -
(a) Everyone will compliment me when the game is won by me
(b) All shall compliment me when I win the game
(c) All are complimenting me when the game is won
(d) All will have complimented me when I win the game

DIRECTIONS (Qs. 86-90) : *You have one brief passage with 5 questions. Read the passage carefully and choose the best answer to each question out of the four alternatives and mark it by blackening the appropriate rectangel in the Answer sheet.*

A rat's thick, furry body brushed his cheek, its whiskered nose sniffing at his mouth. Quivering with revulsion, Kunta snapped his teeth together desperately and the rat ran away. In rage, Kunta snatched and kicked against the shackles that bound his wrists and ankles. Instantly, angry exclamations and jerking came back from whomever he was shackled to. The shock and pain adding to his fury, Kunta lunged upward, his head bumping hard against wood-right on the spot where he had been clubbed by the 'toubol' back in the woods. Gasping the snarling, he and the unseen man next to him battered their iron cuffs at each other until both slumped back in exhaustion, Kunta felt himself starting to vomit again, and he tried to force it back, hut couldn't. His already emptied belly squeezed up a thin, sour fluid

that drained from the side of his mouth as he lay wishing that he might die.

He told himself that he mustn't lose control again if he wanted to save his strength and his sanity. After a while, when he felt he could move again, he very slowly and carefully explored his shackled right wrist and ankle with his left hand. They were bleeding. He pulled lightly on the chain; it seemed to be connected to the left ankle and wrist of the man he had fought with. On Kunta's left, chained to him by the ankles, lay some other man, someone who kept up a steady moaning and theyw ere all so close that their shoulders, arms, and legs touched if any of them moved even a little.

86. How many people are there definitely with Kunta?
    (a) No one else   (b) One other person
    (c) Two other persons (d) Many others

87. In the passage, Kunta vomited again because he -
    (a) was not keeping well
    (b) was very hungry
    (c) was angry with someone
    (d) had fought with someone

88. The man is referred to as 'unseen' because -
    (a) Kunta didn't know him
    (b) Kunta wouldn't turn his head to see him
    (c) It was dark
    (d) Kunta was tied

89. Where is Kunta?
    (a) In the open air
    (b) In a prison
    (c) In a confined space
    (d) Not mentioned in the text

90. Kunta was desperate when a rat came near him because -
    (a) he quivered with revulsion
    (b) he was angry and hungry
    (c) he was shackled and helpless
    (d) he was tied to someone else

DIRECTIONS (Qs. 91-100) : *In the following passage, some of the words have been left out. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given. Mark your answer in the Answer sheet.*

In the earlier days, some long distance trains were ...**91**... more number of compartments, thus making the train ...**92**... than even the length of the platforms. Therefore, the last compartment usually ...**93**... outside the platform. Once a person travelling the last compartment of such a train could not ...**94**... tea, coffee, snacks or water as he failed to ...**95**... on the platform. He reamined hungry and thirsty thoughtout his ...**96**... On reaching his destination, he ...**97**... a written complaint in which he appealed, ...**98**... long distance train should ever have any last compartment. If at all, last compartment cannot be ...**99**... it should place somewhere in the ...**100**... .

91. (a) attaching   (b) shunting
    (c) travelling   (d) manufacturing
    (e) having

92. (a) bigger   (b) longer
    (c) heavier   (d) crowded
    (e) shorter

93. (a) crowded   (b) vacated
    (c) halted   (d) derailed
    (e) collapsed

94. (a) get   (b) offer
    (c) eat   (d) drink
    (e) sell

95. (a) walk   (b) run
    (c) wait   (d) alight
    (e) stand

96. (a) days   (b) compartment
    (c) life   (d) train
    (e) journey

97. (a) wrote   (b) submitted
    (c) alleged   (d) withdrew
    (e) received

98. (a) No   (b) Each
    (c) Every   (d) Any
    (e) Only

99. (a) stopped   (b) connected
    (c) attached   (d) avoided
    (e) removed

100. (a) wagon   (b) station
    (c) middle   (d) end
    (e) yard

HINTS & EXPLANATIONS

1. (d) Except (d) in all second term is 3.5 times of the first term.

2. (b) Except (b) rest are metals.

3. (c) Except (c) rest have only three vowels.

4. (c) Except (c) in all the designs corner of the triangle is directed outside.

5. (b) Except (b) in all the second and third letters are in alphabetical order.

6. (c) As shirt, pant and tie are parts of dress, similarly pedicel, sepals and petals are parts of flower.

7. (b) The letters are moved 5, 4, 3 and 2 forward respectively.

   CUZA : HYCC : : NNJO : SRMQ
   +5, +4, +3, +2   +5, +4, +3, +2
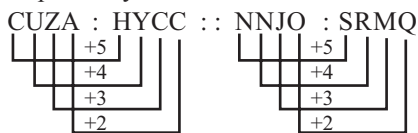
8. (a) From fig. (1) and (2) all the parts shift clockwise through 180°.

9. (b) As

   B + Y = 2 + 25 = 27
   L + O = 12 + 15 = 27
   O + L = 15 + 12 = 27
   C + X = 3 + 24 = 27
   K + P = 11 + 16 = 27
   E + V = 5 + 22 = 27
   D + W = 4 + 23 = 27
   Similarly,
   L + O = 12 + 15 = 27
   A + Z = 1 + 26 = 27
   U + F = 21 + 6 = 27
   N + M = 14 + 13 = 27
   C + X = 3 + 24 = 27
   H + S = 8 + 19 = 27

10. (c) The hidden pattern follows as,

    122   :   170   ::   290   :   362
    ↓   ↓   ↓   ↓
    $(11)^2 + 1$ $(13)^2 + 1$ $(17)^2 + 1$ $(19)^2 + 1$

11. (c)

12. (b) The hidden pattern follows as,

    $11 \xrightarrow{\times 3 + 10} \boxed{43}$

    $19 \xrightarrow{\times 3 + 10} 67$

13. (c) As the question-
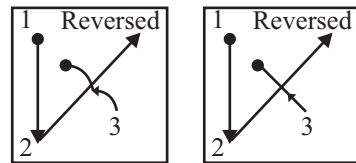
14. (b) According to the question, in fig. (1, 4, 7) each there are 3 lines. In fig. (2, 5, 9) each there is a closed shape which is shaded while in fig. (3, 6, 8) each, there is a closed figure.

15. (a)

16. (b) As,

    $\boxed{8}$
    5   H   13
    +3   ×2–3

    Similarly,

    $\boxed{19}$
    16   S   35
    +3   ×2–3

17. (b)

18. (d) By checking the option weget,
    $12 + 6 – 18 > 4 \times 3 = 12$
    $\Rightarrow 12 + 6 = 18 < 4 – 3 + 12$

    $\Rightarrow 18 = 18 < 4 – \dfrac{3}{12}$

    $\Rightarrow 18 = 18 < \dfrac{15}{4}$

    But $18 < \dfrac{15}{4}$

19. (a) On putting the mathematical signs we get,
9 A 3 C 14 D 2 A 16 B 4 = 33
$\Rightarrow 9 \times 3 + 14 - 2 \times 16 \div 4 = 33$
$\Rightarrow 27 + 14 - 2 \times \dfrac{16}{4} = 33$
$\Rightarrow 27 + 14 - 8 = 33$
$\Rightarrow 33 = 33$

20. (c) In given figure series each subsequent figure the design '•' is shifting one place anticlockwise and '←' is shifting one place clockwise.

21. (b) In given figure series each subsequent figure black dot is shifting one side clockwise. The arrow in inclined rectangle is shifting one side clockwise but in horizontal rectangle the arrow is shifting one side clockwise.

22. (d) The pattern follows by the series as,

D   I   L   Q   T   Y   B   G   J   O
  +5 +3 +5 +3 +5 +3 +5 +3 +5
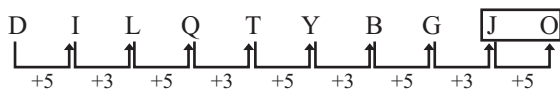
23. (b) The pattern follows by the series as,

$N \xrightarrow{-3} K \xrightarrow{-3} H \xrightarrow{-3} E \xrightarrow{-3} \boxed{B}$
$X \xrightarrow{-2} V \xrightarrow{-2} T \xrightarrow{-2} R \xrightarrow{-2} \boxed{P}$
$Z \xrightarrow{-2} X \xrightarrow{-2} V \xrightarrow{-2} T \xrightarrow{-2} \boxed{R}$
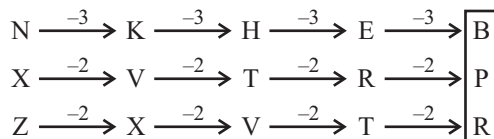
24. (b) Pattern follows by the given series as,
3, 8, 11, 19, 30, 49, **79**
3 + 8 = 11
8 + 11 = 19
11 + 19 = 30
19 + 30 = 49
30 + 49 = **79**

25. (b)

26. (b) As,
$5 + 2 + 1 = 5 \times 5, 2 \times 5, 1 \times 5 = 25105$
$4 + 7 + 1 = 4 \times 5, 7 \times 5, 1 \times 5 = 20355$
Similarly,
$6 + 3 + 1 = 6 \times 5, 3 \times 5, 1 \times 5 = 30155$

27. (b) As,
$\dfrac{72 \times 54}{6} = F$
∴ Sixth word in alphabet = F
$\dfrac{59 \times 21}{10} = J$
∴ 10th word = J
Similarly,
$\dfrac{65 \times 28}{13} = \boxed{M}$
∴ 13th word = M

28. (d) According to the question,

Code → Decode   Code → Decode
$K \xrightarrow{-3} H$ $\boxed{F} \xrightarrow{-3} C$
$R \xrightarrow{-3} O$ $\boxed{K} \xrightarrow{-3} H$
$S \xrightarrow{-3} P$ $\boxed{D} \xrightarrow{-3} A$
$H \xrightarrow{-3} E$ $\boxed{L} \xrightarrow{-3} I$
$\boxed{U} \xrightarrow{-3} R$

29. (b) As,   Similarly,
C = 3   H = $\boxed{8}$
H = 8   A = $\boxed{1}$
A = 1   N = $\boxed{14}$
I = 9   D = $\boxed{4}$
N = 14

30. (d)
31. (a)

I - True, II - False

32. (b)
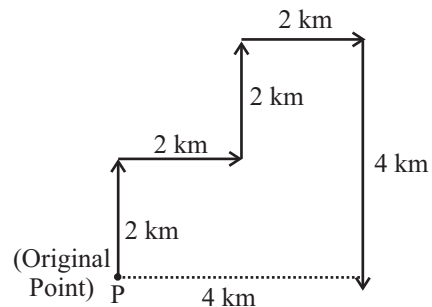
Hence, I am 4 km far from my original point.

33. (d)

34. (d)

5 km (B)

10 km

5 km (A)
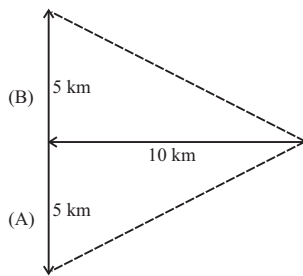
Hence, A - North-East Direction
B - South-East Direction

35. (a) Given, word, 'UMBRELLA'
So, LABEL can be formed using the letters of the given word.

36. (b) 37. (c)

38. (c) As,

$$\frac{5+4+3+2}{2} = 7$$

$$\frac{6+1+3+2}{2} = 6$$

Similarly,

$$? = \frac{2+6+3+7}{2} = 9$$

39. (a) We get the trick behind the question is,
Opposite part is 4 times
$? = 4 \times 2 = 8$

40. (a) White colour is opposite of brown colour.

41. (a) Female in the family,
Grandmother + mother + 4 wives + 8 daughters = 14.

42. (a) 43. (a)

44. (a)

Fish Meat → Dinner party

→ Vegetarian
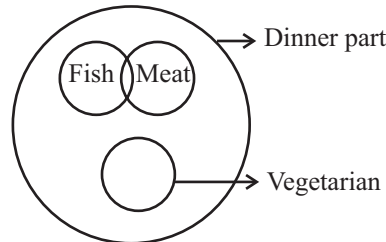
45. (a) The number 5 will appear opposite to 2.

46. (a) The rural corrupt politicians in the following diagram is 3.

47. (c) 48. (a)

49. (b) There are 5 cubical black are unseen as,
2 + 2 + 1 = 5.

50. (c) According to the question,
Let the age of Rahim be x years.
∴ His father's age = $3x$ years
∴ $x + 3x = 56$

$$\therefore x = \frac{56}{4} = 14 \text{ years}$$

∴ His father's age = $3 \times 14 = 42$ years.

51. (a) Flagitious means extremely wicked, deeply criminal; its opposite should be innocent which means free from evil or guilt. Vapid means lacking taste, flavour or tang; Ignorant means lacking knowledge or sophistication; frivolous means not serious in content, attitude or behaviour.

52. (b) Liability means an obligation to pay money to another party and its opposite is assets which means anything of material value or usefulness that is owned by a person or company. The words Property, Debt and Treasure are unrelated.

53. (a) Virtuous means morally excellent while Wicked means morally bad in principle or practice which is real opposite. Vicious means marked by deep ill will; deliberately harmful and Scandalous means giving offence to moral sensibilities and injurious to reputation.

54. (a) Implicate means bring into intimate and incriminating connection while disentangle means release from entanglement of difficulty which is opposite. Impersonate means pretend to be someone you are not; sometimes with fraudulent intentions; Complicate means make more complicated; Impose means compel to behave in a certain way.

55. (b) Ingest means eat, esp. normally or regularly; Disgorge means cause or allow (a solid substance) to flow or run out or over. Other options are not relevant.

56. (b) We use the to-infinitive to express purpose (to answer why?): He bought some sweets to give to the children. Hence, the word differentiate should be accompanied with the to-infinitive.

57. (d) Meet should replace meat which means a meeting at which a number of people gather while meat means the flesh of animals (including fishes and birds and snails) used as food.

58. (e) The sentence is correct.

59. (a) Saints should replace scents which means persons of exceptional holiness; scents means distinctive odours that are pleasant.

60. (d) Chit should be replaced by cheat which means deprive somebody of something by deceit; chit means a small sheet or scrap of paper with a note or message.

61. (b) Surveillance

62. (a) Sepulchral

63. (c) Efflorescence

64. (b) Itinerary

65. (c) Bouquet

66. (b) Renaissance

67. (d) Lackadaisical

68. (c) The idiom ride rough shod means to completely ignore the rights, opinions, or feelings of others; to be ham-handed with someone also means to deal with heavy-handedness.

69. (b) The idiom down in the mouth means unhappy; dejected.

70. (d) To give up the ghost means of a person, to die.

71. (c) The time between midnight and noon is ante-meridiem.

72. (a) Austerity means (of living conditions or a way of life) having no comforts or luxuries;

Cyborg means a human being whose body has been taken over in whole or in part by electromechanical devices; Granulated means made grainy or formed into granules; Kilter means in working order.

73. (c) Acrophobia means a morbid fear of great heights; Agoraphobia means a morbid fear of open spaces (as fear of being caught alone in some public place); Hydrophobia means a morbid fear of water; Pyrophobia means a morbid fear of fire.

74. (b) Extant means still in existence; not extinct, destroyed or lost; Extent means the point or degree to which something extends; External means happening or arising or located outside or beyond some limits or especially surface; Immanent means of qualities that are spread throughout something.

75. (b) Panacea means hypothetical remedy for all ills or diseases; once sought by the alchemists; Narcotic means of or relating to or designating narcotics; Medicine is something that treats, prevents or alleviates the symptoms of disease; Quack means an untrained person who pretends to be a physician and who dispenses medical advice.

76. (b) SQPR. The 'S' part that begins with 'in such places, people adapt themselves to moist weather' follows the sentence no. 1, then comes Q which correlates with the S beginning with if water stagnates on the road sides, ... , then comes P and remains R.

77. (a) SPRQ. The passage begins with the Sentence no. 1. 'Addiction to alcoholic drinks affects the social life of the people' followed by the S part that is a person begins to drink just for the fun of it. Then comes P which begins with gradually drinking becomes a habit. Then comes R with remaining Q.

78. (b) SQPR. 'Braille lost his eyesight... is the opening sentence which is already given. It is followed by the S which says nevertheless, he was able to complete his education... then comes Q beginning with 'after that he

became a teacher'. Then comes P which tells about the days he had lived in - 'In his days, the few books that were available..., R is the remaining sentence.

79. (d) SQRP. The opening sentence no. 1 is followed by the S which connects with 'one of the novel and effective strategies', then it is followed by Q which depicts the Same Language Subtitles (SLS), then comes R and P the remaining part.

80. (d) PRSQ. The opening sentence 1 clearly connects with P which says when you feel disappointment,... P is followed by R which tells about the best approach... Then comes S and the remaining part Q.

81. (c) Only the option C has the future perfect in passive voice, hence, the correct sentence is - By whom will have the Gramophone record been broken?

82. (c) In the passive voice 'People once believed' converts to 'it was once believed' that the sun was a God remains the same. Hence, 'it was once believed that the sun was a God.'

83. (c) To convert into passive voice, we change the object 'this parcel' into the subject and the subject of active voice 'we' is omitted in passive voice, hence, can this parcel be sent by air mail?

84. (b) Such things ought not to be spoken about in public. In the passive, we made 'such things' the subject and the subject of active voice 'people' has been omitted.

85. (a) 'I shall be complemented by all' will change to 'everyone will compliment me' and 'when I win the game' will have its passive as 'when the game is won by me.' Hence, everyone will compliment me when the game is won by me.

86. (d) The lines 'He pulled lightly on the chain; it seemed to be connected to the left ankle and wrist of the man he had fought with. On Kunta's left, chained to him by the ankles, lay some other man,' show that there were two other persons.

87. (b) The lines 'his already emptied belly squeezed up a thin, sour fluid that drained from the side of his mouth' show that he was very hungry.

88. (d) The man is referred to as 'unseen' because Kunta was tied.

89. (c) Kunta seems to be in a confined space.

90. (a) Kunta was desperate when a rat came near him because he quivered with revulsion.

91. (e) Having. Attaching, shunting, travelling and manufacturing seem to be out of context.

92. (b) Longer is correct because it compares with the length of platforms. Bigger, heavier, crowded and shorter are irrelevant.

93. (c) Halted is correct because it causes the last compartment to stop outside the platform. Other options crowded, vacated, derailed and collapsed are out of question.

94. (a) Get is okay for getting tea, coffee, snacks or water. Other options offer, eat, drink and sell have no relevance.

95. (d) Alight means to come down, here, alight on the platform. Other words walk, run, wait, stand are not suitable.

96. (e) Journey. He remained hungry and thirsty throughout his journey. Other options days, compartment, life and train are insignificant.

97. (b) Submitted. You submit a written complaint and not write a written complaint. Similarly, alleged, withdrew and received are beside the point.

98. (a) No. Since the author is disgusted with the length of train, he appealed, no long distance train should ever have any last compartment.

99. (d) Avoided is the most appropriate word in the context of 'if at all, last compartment cannot be..., other options stopped, connected, attached and removed cannot fit here.

100. (c) Middle. Since the author doesn't want the last compartment to be outside the platform, he wants it to be placed somewhere in the middle. The options wagon, station, end and yard have no relevance.
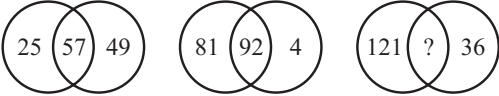
1. How many languages and dialects are spoken by people all over the world?
   - (a) 6,000
   - (b) 9,000
   - (c) 4,000
   - (d) 1,000

2. Approximately, how many people speak Chinese language?
   - (a) 1 billion
   - (b) 1 million
   - (c) 1 lakh
   - (d) 1 thousand

3. The language with the richest vocabulary is :
   - (a) Hindi
   - (b) French
   - (c) English
   - (d) German

4. English Language has more than ...... words.
   - (a) 4,50,000
   - (b) 45,000
   - (c) 4,500
   - (d) 450

5. The oldest Indian language is :
   - (a) Telugu
   - (b) Hindi
   - (c) Tamil
   - (d) Punjabi

6. Which book has been printed in the maximum number of languages and these scripts?
   - (a) The Bible
   - (b) Hiraka Sutra
   - (c) The Super Book
   - (d) None of these

7. The only religious book ever printed in a shorthand script is :
   - (a) The Ramayana
   - (b) The Mahabharata
   - (c) The Bible
   - (d) Guru Granth Sahib

8. The oldest printed work in the world, which dates back to AD 868 is :
   - (a) The Bible
   - (b) The Hirake Sutra
   - (c) The Ramayana
   - (d) The Mahabharata

9. The largest book, The Super Book, is .... × .... and its weight is ....
   - (a) 270 cm, 300 cm, 252 kg
   - (b) 100 cm, 110 cm, 100 kg
   - (c) 200 cm, 100 cm, 60 kg
   - (d) None of these

10. Les Hommes de bonne volonte is the :
    - (a) Longest novel ever published
    - (b) Shortest novel ever published
    - (c) The oldest novel
    - (d) None of these

11. The author of the play/book 'Ratnawali' is :
    - (a) Tulsidas
    - (b) Kalidas
    - (c) Harsha Vardhan
    - (d) Prem Chand

12. Which of the following in the book/play written in Maithili Sharan Gupt?
    - (a) Saket
    - (b) Satyartha Prakash
    - (c) Shakuntala
    - (d) Savitri

13. The book 'Satyartha Prakash' was written by :
    - (a) Swami Dayanand
    - (b) Swami Vivekanand
    - (c) Sarojini Naidu
    - (d) Kalidas

14. The play/book 'Shakuntala' was written by :
    - (a) Maithili Sharan Gupt
    - (b) Swami Dayanand
    - (c) Kalidas
    - (d) Tulsidas

15. Which of the following is the author of 'The Song of India' :
    - (a) Firdausi
    - (b) Sarojini Naidu
    - (c) Lala Lajpat Rai
    - (d) Sri Aurobindo Ghosh

16. The author of the book 'Time machine'
    (a) Lewis Carroll
    (b) Rober Louis Stevenson
    (c) Charles Lamb
    (d) H. G. Wells

17. Which of the following book was written by Tulsidas :
    (a) Vinay Patrika
    (b) Rmacharitmanas
    (c) Both (a) and (b)
    (d) Yashodhara

18. The book 'Vish Vriksha' was written by
    (a) Bankimchandra Chatterjee
    (b) Annie Besant
    (c) Tulsidas
    (d) Kalidas

19. The book 'We Indians' was written by
    (a) H. G. Wells   (b) Khushwant Singh
    (c) James Jeans   (d) Thomas Moore

20. Which of the following is the author of play/book 'Yashodhara'
    (a) Maithili Sharan Gupt
    (b) Khushwant Singh
    (c) Bankimchandra Chatterjee
    (d) Sarojini Naidu

21. Dhyan Chand was
    (a) A great hockey player
    (b) Captained the Indian hockey team which won a gold medal in 1936 Berlin Olympics
    (c) Scored 101 goals at the Olympic games and 300 goals in the international matches
    (d) All the statements are correct

22. Who developed the small pox vaccination?
    (a) Edward Jenner
    (b) Alexander Fleming
    (c) Albert Einstein
    (d) None of these

23. Euclid was :
    (a) Greek mathematician
    (b) Contributor to the use of deductive principles of logic as the basis of geometry
    (c) Propounded the geometrical theorems
    (d) All the statements are correct

24. Fa-hien was
    (a) The first Buddhist pilgrim of China to visit India during the reign of Chandragupta Vikramaditya
    (b) The discover of Puerto Rico and Jamaica
    (c) The first Buddhist pilgrim of India to visit China
    (d) None of these

25. Firdausi was
    (a) A persian poet
    (b) Well known for his epic 'Shahnama'
    (c) Both are correct
    (d) None of these

26. Who is also known as the 'Lady with the Lamp'?
    (a) Florence Nightingale
    (b) Sarojini Naidu
    (c) Rani Lakshmibai
    (d) Bachhendri Pal

27. Gabriel Daniel Fahrenheit was
    (a) A German Physicist
    (b) Developed the mercury thermometer in 1714
    (c) Devised temperature scale
    (d) All are correct

28. Galileo was an Italian astronomer who
    (a) Developed the telescope
    (b) Discovered 4 satellite of Jupiter
    (c) Discovered that the movement of the pendulum produces a regular time measurement
    (d) All are correct

29. Who is known as the father of English poetry?
    (a) Geoffrey Chaucer
    (b) John Milton
    (c) John Keats
    (d) None of these

30. The American General who led the revolt against the British and declared American independence was :
    (a) George Washington
    (b) Bill Clinton
    (c) George Bush
    (d) None of these

31. Marco Polo
    (a) Discovered Greenland
    (b) Travelled through China, India and other parts of Asia
    (c) Travelled round the Cape of Good Hope
    (d) Discovered Canada

32. Who landed on the mainland of South America for the First time?
    (a) Ferdinand Magelion
    (b) Columbus
    (c) William Janszoom
    (d) Jacques Carter

33. Who was first to sail round the strait, reached the Philippines and named the Pacific Ocean?
    (a) Ferdinand Magelion
    (b) Jacques Carter
    (c) William Janszoom
    (d) Vasco da Gama

34. Who discovered Australia?
    (a) Eric the Red
    (b) Leif Ericsson
    (c) William Janszoom
    (d) None of these

35. Who located the magnetic pole?
    (a) Sir James Clark   (b) Rear Admiral
    (c) Sir John Ross   (d) All of the above

36. Who was first to reach the South Pole?
    (a) Rear Admiral
    (b) Capt. Amundsen
    (c) Capt. R. E. Scott
    (d) Sir Edmund Hillary

37. Who was the first to cross the Antarctic?
    (a) Sir Vivian Fuchs & Sir Edmund Hillary
    (b) Maj. Yuri Gagarin and Maj. Gherman Titor
    (c) Capt. R. E. Scott
    (d) All of these

38. Who were the first to journey into space?
    (a) Maj. Yuri Gagarin and Maj. Gherman Titor from Russia
    (b) Comm. Grissom and Col. John Glenn from America
    (c) Both are correct
    (d) None of these

39. Who was the first man to 'Walk' in space?
    (a) Col. Leonor from Russia
    (b) Major White from America
    (c) Both of these
    (d) None of these

40. Who were the first to circle the moon?
    (a) Frank boreman, Bill Anders and Jim Lovell
    (b) Neil Armstrong and Edwin Aldrin
    (c) Charles Conrad and Alan Bean
    (d) None of these

41. 'Arena' is the special name for playground of :
    (a) Cricket   (b) Lawn Tennis
    (c) Wrestling   (d) Skating

42. The national sport of Canada is :
    (a) Tennis and Cricket
    (b) Lacrosse
    (c) Judo
    (d) Rugby and Football

43. Badminton is the national sport of
    (a) Malaysia
    (b) Scotland
    (c) China
    (d) Former Soviet Union

44. Where is the Vallabhai Patel stadium located?
    (a) Kolkata   (b) Mumbai
    (c) Chennai   (d) Delhi

45. Where is the sports stadium, Green Park, located?
    (a) Kanpur   (b) Jamshedpur
    (c) Cuttack   (d) Patiala

46. For which of the following disciplines in Noble Prize awarded?
    (a) Physics and Chemistry
    (b) Physiology or Medicine
    (c) Literature, Peace and Economics
    (d) All of the above

47. On which date is Nobel Prize awarded?
    (a) December 10   (b) January 10
    (c) April 10   (d) July 10

48. The Royal Swedish Academy of Sciences, awarded the Nobel Prize in
    (a) Physics   (b) Economics
    (c) Chemistry   (d) Both (a) and (c)

49. The committee of the Norwegian Parliament awards the prize for
    (a) Economics   (b) Peace
    (c) Medicine   (d) Literature

50. Dr. Linus Carl Pauling is the only person to have won two Nobel Prizes individually for
    (a) Chemistry in 1954, Peace prize in 1962
    (b) Peace prize in 1954, Chemistry in 1962
    (c) Physics in 1954, Medicine in 1962
    (d) Medicine in 1954, Physics in 1962

51. If $8y = 3x - 11$ then find the value of x
    (a) $\dfrac{8x+11}{3}$ (b) $\dfrac{11-8y}{3}$

    (c) $\dfrac{8y+11}{3}$ (d) $\dfrac{3x-11}{3}$

52. Find the next term of the series
    KPA   LQB   MRC   NSD   ?
    (a) OTF   (b) PTE
    (c) OTE   (d) TOE

53. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to the group?
    (a) Sand   (b) Cement
    (c) Building   (d) Bricks

54. Length of a rectangle is three times of its width. If width of the rectangle is 5 cm then area of the rectangle is :
    (a) 57 cm^2 (b) 20 cm^2
    (c) 100 cm^2 (d) 75 cm^2

55. The appropriate sign which will make the following statements correct is

    $(2 + 1) * 1 = 3, (14 + 1) * 7 = 105, (12 + 1) * 9 = 117$

    (a) +   (b) −
    (c) ×   (d) ÷

56. If P is taller only than R. Q is shorter than M. Who amongst them is the tallest?
    (a) R
    (b) M
    (c) Q
    (d) Can not be determined

57. Find the next term of the series
    656   432   320   264   236   ?
    (a) 222   (b) 229
    (c) 232   (d) 223

58. Which of the following number will come in the place of question mark?

    25 (57) 49   81 (92) 4   121 (?) 36

    (a) 116   (b) 93
    (c) 49   (d) 23

59. Find out the wrong number from the series
    7   9   16   25   41   68   107   173
    (a) 107   (b) 16
    (c) 41   (d) 68

60. The sum of squares of two numbers is 1700 and difference of their squares is 348. Find the numbers.
    (a) 26 & 32
    (b) 34 & 24
    (c) 16 & 28
    (d) None of these

61. A is father of D, C is daughter of B, D is sister of C, E is brother of A. How is E related with B?
    (a) Brother-in-law
    (b) Son-in-law
    (c) Husband
    (d) None of these

62. What would be the compound interest accrued on an amount of ₹45,000 at the end of two years at the rate of 15 p.c.p.a.?
    (a) ₹16411.5   (b) ₹14461.5
    (c) ₹16461.5   (d) ₹14512.5

63. 4×10^{-5} equals to
    (a) 40000   (b) 0.0004
    (c) 0.00004   (d) None of these

64. Find the length of the diagonal of a square whose area is 24200 sq. m.
    (a) 200 m   (b) 120 m
    (c) 210 m   (d) 220 m

65. If day after tomorrow will be Friday then third day of tomorrow is
    (a) Monday   (b) Saturday
    (c) Wednesday   (d) Sunday

66. $(\sqrt{9})^3 \times (\sqrt{81})^5 \div (\sqrt{27})^2 = (3)^?$

   (a) $\dfrac{25}{12}$ (b) $\dfrac{12}{25}$

   (c) $\dfrac{27}{16}$ (d) $\dfrac{16}{27}$

67. 18 men can do a piece of work in 12 days. How many men would be required to do the same work in 8 days?
   (a) 12   (b) 18
   (c) 24   (d) 27

68. If 'A' means '×', 'B' means '÷', 'C' means '–' and 'D' means '+' then
   4 D 16 A 5 B 8 C 5 = ?
   (a) 9   (b) 16
   (c) 13   (d) 12

69. Which name will be third in the telephone directory?
   (a) Randhir   (b) Randesh
   (c) Rana   (d) Ramesh

70. The sum of two digits of a number is 15. If 9 is added to the number the digits are reversed. The number is
   (a) 78   (b) 87
   (c) 69   (d) 96

71. In the attendance register Mala is 8th from starting and 37th from the last. Then how many students are there in that classroom.
   (a) 47   (b) 46
   (c) 45   (d) None of these

72. Present age of *A* and *B* is in the ratio of 3 : 1. After 15 years the age will be in the ratio of 2 : 1. Find the present age of *A* and *B*.
   (a) 15 years and 5 years
   (b) 45 years and 15 years
   (c) 54 years and 18 years
   (d) 30 years and 10 years

73. What will be 80% of a number whose 200% is 90?
   (a) 144
   (b) 72
   (c) 36
   (d) None of these

74. The product of two successive number is 9506. Which is the smaller of the two numbers?
   (a) 96   (b) 97
   (c) 98   (d) 99

75. Shalini walked 15 m. towards south, took a right turn and walked 3 m. She took a right turn again and walked 15 m. before stopping. Which direction did she face after stopping?
   (a) West   (b) South
   (c) East   (d) North

76. 84 mean build 21 metres wall in 34 days then how many men are required to build 119 metres wall in 28 days?
   (a) 578   (b) 392
   (c) 587   (d) None of these

77. Find the approximate value that should be filled up to make the following equation true :
   12% of 80 + 15% of 75 = ?
   (a) 21   (b) 20
   (c) 19   (d) 18

78. Pointing to Mukesh, Seema say "He is the only grandchild of my father." How is Seema related to Mukesh?
   (a) Mother   (b) Aunt
   (c) Grandmother   (d) None of these

79. Which of the following will come in the place of question mark?
   R   Z   J   K   S   C   D   ?
   (a) W   (b) K
   (c) L   (d) S

80. The average weight of 29 students is 28 kg. By the admission of a new student the average weight is reduced to 27.8 kg the weight of new student is :
   (a) 22 kg   (b) 21 kg
   (c) 22.4 kg   (d) 21.6 kg

81. What is 35% of 42% of $\dfrac{6}{7}$th of 500?
   (a) 36   (b) 44
   (c) 52   (d) 63

82. If 1st November 1997 was Monday then what was the day on 25th November of the same year?
   (a) Thursday   (b) Wednesday
   (c) Friday   (d) Saturday

83. Which option represent the meaningful order of the given words.
    1. windows   2. walls
    3. floor   4. foundation
    5. roof   6. rooms
    (a) 421536   (b) 435621
    (c) 453216   (d) 415623

84. Three of the following four are alike in a certain way and so form a group which is the one that **does not** belong to that group?
    (a) 29   (b) 85
    (c) 47   (d) 125

85. An amount doubles itself in 5 years with simple interest. What is the rate of interest p.c.p.a.?
    (a) 20   (b) 35
    (c) 25   (d) None of these

86. Calculate the value of $\dfrac{(45)^2 \times (24)^2}{(27)^2 - (23)^2}$
    (a) 4372   (b) 5832
    (c) 3250   (d) 4568

87. How much time will a man take to complete a race of 1500 m, if he runs at 20 km/hr?
    (a) 4 minutes   (b) $4\dfrac{1}{4}$ minutes
    (c) $4\dfrac{1}{3}$ minutes   (d) $4\dfrac{1}{2}$ minutes

88. Town R is towards East of town H and H is towards South of town K. Town K is towards which direction of twon R?
    (a) South-East   (b) South-West
    (c) North-West   (d) None of these

89. The smallest number by which 68600 must be multiplied to get a perfect cube is :
    (a) 8   (b) 12
    (c) 5   (d) 10

90. Which of the following is divisible by 12?
    (a) 495036   (b) 457558
    (c) 385365   (d) 361768

91. A number exceeds 20% of itself by 40. The number is
    (a) 50   (b) 60
    (c) 80   (d) 120

92. If '÷' means '+', '–' means '×', '+' means '–' and '×' means '÷' then what will be the value of $14 - 4 \times 7 \div 12 + 8$ is
    (a) 20   (b) 12
    (c) $5\dfrac{1}{11}$ (d) 8

93. *A, B, C* and *D* are four consecutive even numbers respectively and their average is 65. What is the product of *A* and *D*?
    (a) 3968   (b) 4216
    (c) 4092   (d) 4352

94. Which of the following has the same relationship as that of 'Money : Wealth'?
    (a) Pity : Kindness   (b) Cruel : Anger
    (c) Wise : Education (d) Pride : Humility

95. Choose the correct option to complete the given series of letters.
    __bcc__ac__aabb__ab__cc
    (a) bacab   (b) abaca
    (c) aabca   (d) bcaca

96. 'BF' is related to 'IM' in the same way HL is related to
    (a) PT   (b) NR
    (c) OR   (d) OS

97. 'Music' is related to 'Notes' in the same way as 'Language' is related to
    (a) Sentence   (b) Combination
    (c) Grammar   (d) Syntex

98. Find out the odd pair of the following
    (a) Chair - Furniture
    (b) Shirt - Cloth
    (c) Necklace - Ornament
    (d) Coach - Engine

99. Which of the following will come in place of the question mark?
    CBD   GFH   KJL   ?   SRT
    (a) ONP   (b) POQ
    (c) NOP   (d) None of these

100. Six friends are sitting around a circular table. 'B' is sitting between 'F' and 'C'. A is sitting between E and D. F is left to D then who is sitting between A and F?
    (a) C   (b) B
    (c) D   (d) E

HINTS & EXPLANATIONS

1. (b) According to Ethnologue, the biggest authority on languages, there are over 7,117 spoken languages in the world. And every language has multiple dialects or regional variations. Roughly 40% of languages are now endangered, often with less than 1,000 speakers remaining.

2. (a) According to Ethnologue, Chinese (and all of its varieties such as Mandarin and Wu) is by far the most spoken language across the world with 1.31 billion speakers. That's approximately 16 percent of the world's population.

3. (c) English is among the largest languages by word count. It has more than 500,000 words in its Dictionary.

4. (a) Steven Frank, the author of The Pen Commandments claims that English has 500,000 words with German having about 135,000 and French having fewer than 100,000.

5. (c) Indian Language Tamil is about 5000 years old and is the official language of Sri Lanka as well as Singapore. It is the part of the Dravidian family and is also the only language that has survived all the way to the modern world.

6. (a) The Bible remains the world's most translated book, with at least one book now available in a staggering 3,312 languages.

7. (c) The sacred book of Christians has been printed in the maximum number of languages and their scripts. It has been printed in Pitman shorthand, making it the only religious book ever printed in a shorthand script.

8. (b) The distinction of oldest dated printed book still in existence even today goes to The Diamond Sutra (Hirake Sutra), a Buddhist religious text. While the book dates back to the year 868 AD, it was found only in 1907.

9. (a) The Super Book, a huge visitor's book, produced in Colorado, U.S., in the 1970's is the largest existing book in the Americas. It measures 270cm by 300cm, and contains 300 pages and weighs just over 252kg.

10. (a) Les Hommes de bonne volonté is an epic roman-fleuve by French writer Jules Romains, published in 27 volumes between 1932 and 1946. It has been classified both as a novel cycle and a novel and, at two million words and 7,892 pages, has been cited as one of the longest novels ever written.

11. (c) Ratnavali is a Sanskrit drama about a beautiful princess named Ratnavali, and a great king named Udayana. It is attributed to the Indian emperor Harsha.

12. (a) Saket (1932), a famous Hindi epic poem by Maithili Sharan Gupt, a modern-version of Ramcharitmanas, which described an ideal Hindu society and Rama as an ideal man.

13. (a) Satyarth Prakash is an 1875 book written originally in Hindi by Dayananda Saraswati (Swami Dayanand), an influential religious and social reformer and the founder of Arya Samaj.

14. (c) Shakuntala is a Sanskrit play by the ancient Indian poet Kalidasa, dramatizing the story of Shakuntala told in the epic Mahabharata.

15. (b) 'The Song of India' is a wonderful collection of poetry, written by Indian poet and activist Sarojini Naidu, connected through the single theme of India.

16. (d) The Time Machine, first novel by H. G. Wells, published in book form in 1895. The novel is considered one of the earliest works of science fiction and the progenitor of the "time travel" subgenre.

17. (c) Tulsidas is best known as the author of the epic Ramcharitmanas, a retelling of the Sanskrit Ramayana based on Rama's life in the vernacular Awadhi. Vinaya Patrika is also composed by Goswami Tulsidas, containing hymns to different Hindu deities.

18. (a) Vishabriksha (The Poison Tree) is a 1873 novel of Bankim Chandra Chattopadhyay. Bishabriksha is set in Bankim Chandra's own time.

19. (b) Khushwant Singh was an Indian author, lawyer, diplomat, journalist and politician. His experience in the 1947 Partition of India inspired him to write Train to Pakistan in 1956, which became his most well-known novel. Book 'We Indians' is also written by him.

20. (a) Maithili Sharan Gupt was one of the most important modern Hindi poets. He is considered one among the pioneers of Khari Boli. His famous work 'Yashodhara' revolves around Yashodhara, the wife of Gautama Buddha.

21. (d) Major Dhyan Chand was an Indian field hockey player widely regarded as the greatest in the history of the sport. He was the Captained the Indian hockey team which won a gold medal in the 1936 Berlin Olympics. He scored 101 goals at the Olympic games and 300 goals in the international matches.

22. (a) Edward Jenner, FRS FRCPE was an English physician and scientist who pioneered the concept of vaccines including creating the smallpox vaccine, the world's first vaccine.

23. (d) Euclid, sometimes called Euclid of Alexandria was a Greek mathematician, often referred to as the "father of geometry". Euclid deduced the theorems of what is now called Euclidean geometry from a small set of axioms.

24. (a) Fa-hien, a Chinese pilgrim, visited India during the reign of Chandra Gupta Vikramaditya. His primary aim was to visit the Buddhist religious places and to take with him the copies of the Buddhist religious texts.

25. (b) Firdausi was a well known poet of Mahmud of Ghazni and wrote a book, Shahnama, which is about the history of Persia.

26. (a) Florence Nightingale was an English social reformer, statistician and the founder of modern nursing. Nightingale came to prominence while serving as a manager and trainer of nurses during the Crimean War where she got the title of "The Lady with the Lamp".

27. (d) Daniel Gabriel Fahrenheit was a physicist, inventor, and scientific instrument maker. He helped lay the foundations for the era of precision thermometry by inventing the mercury-in-glass thermometer (first widely used, practical, accurate thermometer) and Fahrenheit scale (first standardized temperature scale to be widely used).

28. (d) Galileo was an Italian astronomer, physicist and engineer often called as the "father of observational astronomy" and the "father of modern science". He discovered 4 satellites of Jupiter and observed the Saturn Ring. He also discovered that the movement of the pendulum produces a regular time measurement.

29. (a) Geoffrey Chaucer was an English poet and author. Widely considered the greatest English poet of the Middle Ages. He has been called the "father of English poetry".

30. (a) George Washington was an American political leader, military general, and Founding Father who served as the first president of the United States from 1789 to 1797. General George Washington led the American army to victory during the Revolutionary War.

31. (b) Marco Polo was a Venetian merchant, explorer, and writer who travelled through Asia along the Silk Road between 1271 and 1295.

32. (b) Explorer Christopher Columbus sets foot on the American mainland for the first time, at the Paria Peninsula in present-day Venezuela. Columbus was born in Genoa, Italy, in 1451.

33. (a) Ferdinand Magellan was a Portuguese explorer who organised the Spanish expedition to the East Indies, resulting in the first circumnavigation of the Earth. He made it through the Strait of Magellan into a body of water he named the "peaceful sea" (the modern Pacific Ocean).

34. (c) Willem Janszoon was a Dutch navigator and colonial governor. He is the first European known to have seen the coast of Australia during his voyage of 1605–1606.

35. (d) The English admiral and polar explorer Sir James Clark Ross and his nephew Sir John Ross are known for their discovery of the North magnetic pole and magnetic surveys of the Antarctic. Rear Admiral was an American naval officer and explorer who claimed to be the first to reach both the North Pole and the South Pole by air.

36. (b) The first expedition to reach the geographic South Pole was led by the Norwegian explorer Roald Amundsen. He and four others arrived at the pole on 14 December 1911.

37. (a) Vivian Fuchs was an English geologist and explorer who led the historic British Commonwealth Trans-Antarctic Expedition in 1957–58 with Edmund Hillary leading the support team of the expedition.

38. (a) On April 12, 1961, aboard the spacecraft Vostok 1, Soviet cosmonaut Yuri Alekseyevich Gagarin becomes the first human being to travel into space. John Glenn was the first U.S. astronaut to orbit Earth, completing three orbits in 1962.

39. (a) Alexei Arkhipovich Leonov was a Soviet and Russian cosmonaut, Air Force major general. On 18 March 1965, he became the first person to conduct a spacewalk, exiting the capsule during the Voskhod 2 mission for 12 minutes and 9 seconds.

40. (a) Astronauts Frank Borman, James A. Lovell, and William Anders become the first men to orbit the Moon. Flying in Apollo 8, the men perform 10 total lunar orbits and test many of the procedures that will be used in future lunar missions.

41. (c) Arena is the special name for the playground of Wrestling.

42. (b) In 1994, Canada's Parliament passed the National Sports of Canada Act, which declared two national sports. Ice hockey became the country's official winter sport, while lacrosse became the official summer sport.

43. (a) Sepak Takraw is the national sport of Malaysia. It is similar to volleyball or badminton except players cannot use their hands.

44. (b) The Sardar Vallabhbhai Patel Indoor Stadium is an indoor sports arena, in Mumbai, Maharashtra.

45. (a) Green Park cricket stadium is located in Kanpur, India. The stadium is under the control of the Sports Department Uttar Pradesh. It is an international cricket stadium in Uttar Pradesh.

46. (d) Image result for nobel prize is awarded for which of the following disciplines

Since 1901, the Nobel Prize has been awarded in the fields of physics, chemistry, physiology or medicine, literature and peace, while a memorial prize in economic sciences was added in 1968.

47. (a) Except for the Peace Prize, the Nobel Prizes are presented in Stockholm, Sweden, at the annual Prize Award Ceremony on 10 December, the anniversary of Alfred Nobel's death.

48. (d) The Royal Swedish Academy of Sciences is one of the royal academies of Sweden. Every year the academy awards the Nobel Prizes in physics and in chemistry.

49. (a) The Norwegian Nobel Committee selects the recipients of the Nobel Peace Prize each year on behalf of Swedish industrialist Alfred Nobel's estate, based on instructions of Nobel's will.

50. (a) One person, Linus Pauling, has been awarded two undivided Nobel Prizes. In 1954 he was awarded the Nobel Prize in Chemistry. Eight years later he was awarded the Nobel Peace Prize for his opposition to weapons of mass destruction.

51. (c) $8y = 3x - 11$
$$\Rightarrow 3x = 8y + 11$$
$$x = \frac{8y + 11}{3}$$

52. (c)

K P A   L Q B   M R C   N S D   O T E

53. (c) Sand, Cement and Bricks are building materials. So, term 'Building' is different among all.

54. (d) ATQ,

Width of the rectangle

= 5 cm

Length of the rectangle

= 3 × 5 = 15 cm

Area of the rectangle

= Length × Width

= 15 × 5 = 75 cm^2.

55. (c) After replacing (*) by 'multiplication (×)', we get

$(2 + 1) \times 1 = 3 \Rightarrow 3 \times 1 = 3$
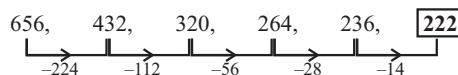
$(14 + 1) \times 7 = 105 \Rightarrow 15 \times 7 = 105$

$(12 + 1) \times 9 = 117 \Rightarrow 13 \times 9 = 117$

56. (b) As per the given data, the arrangement is like this

$$\underset{\text{(Tallest)}}{M} > Q > P > \underset{\text{(Shortest)}}{R}$$

Hence, M is tallest.

57. (a)

656,   432,   320,   264,   236,   **222**

−224   −112   −56   −28   −14

Hence, next term is 222.

58. (a)

25 57 49

$\sqrt{25} = 5$ $\sqrt{49} = 7$
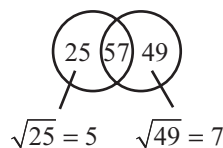
Now, common number have 5 and 7 as its two digits.

Similarly,

81 92 4

$\sqrt{81} = 9$ $\sqrt{4} = 2$
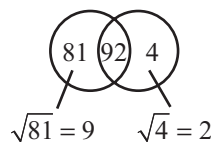
Common number = 92

and

121 ? 36

$\sqrt{121} = 11$ $\sqrt{36} = 6$
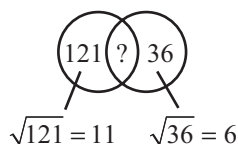
Common number = 116

59. (d) Given series pattern is follow the pattern

Third term = Sum of first and second term

Fourth term = Sum of second and third term

7, 9,　16,　　　25,　　　41,

$\qquad\qquad\uparrow\qquad\quad\uparrow\qquad\quad\uparrow$

$\qquad$ 16 = 7 + 9　25 = 9 + 16　41 = 16 + 25

$\qquad$ 68,　　107, 173

$\qquad\uparrow$

68 ≠ 25 + 41

Hence, wrong term is 68. In place of 68 it should be 66.

60. (a) Let two numbers are a and b.

ATQ,

$$a^2 + b^2 = 1700$$

and $\dfrac{a^2 - b^2 = 348}{2a^2 \quad = 2048}$

$$\therefore a = \sqrt{\dfrac{2048}{2}} = 32$$

and $b = \sqrt{(32)^2 - 348} = 26$

Hence, two number $(a, b) = (32, 26)$.

61. (a)

$$(+)\,E \;\underset{\text{Brother}}{\underline{\qquad}}\; (+)\,A \;\overset{\text{Spouse}}{\Longleftrightarrow}\; B\,(-)$$

$$\big|$$

$$(-)\,D \;\underset{\text{Sister}}{\underline{\qquad}}\; C\,(-)$$

Hence, E is brother-in-law of B.

62. (d) Amount $(P) = ₹45,000$

Rate $(r) = 15\%$

Time $(t) = 2$ years

Compound interest (C.I.)

$$= P\left[\left(1 + \frac{r}{100}\right)^t - 1\right]$$

$$= 45000\left[\left(1 + \frac{15}{100}\right)^2 - 1\right]$$

$$= 45000\left[(1.15)^2 - 1\right] = 45000[0.3225]$$

$$= ₹14512.5$$

63. (c) $4 \times 10^{-5} = 4 \times \dfrac{1}{100000} = 0.00004.$

64. (d) Area of the square = (Side)²

$\therefore$ Side = $\sqrt{\text{Area}}$

and Diagonal of the square

$= \sqrt{2} \times \text{Side}$

$= \sqrt{2} \times \sqrt{\text{Area}}$

$= \sqrt{2 \times 24200} = 220$ m

65. (d) Day after tomorrow is Friday.

Then three day after tomorrow will be Sunday.

66. (a) $(\sqrt{9})^3 \times (\sqrt{81})^5 \div (\sqrt{27})^2 = (3)^?$

$\Rightarrow (3)^3 \times (3^2)^5 \div (3^{\frac{3}{2}})^2 = (3)^?$

$\Rightarrow 3^{3+10} \div 3^3 = (3)^?$

$\Rightarrow 3^{13-3} = (3)^? \Rightarrow 3^{10} = (3)^?$

$\therefore ? = 10.$

67. (d) From $m_1 \cdot D_1 = m_2 \cdot D_2$

$\Rightarrow 18 \times 12 = m_2 \times 8$

$\therefore m_2 = \dfrac{18 \times 12}{8} = 27$ men.

68. (a) 4 D 16 A 5 B 8 C 5

$= 4 + 16 \times 5 \div 8 - 5$

$= 4 + 10 - 5 = 9.$

69. (b) Arrangement according to Directory :

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70. (a) Let two digits are x and y.

ATQ,

$x + y = 15$ 　　　　...(i)

$(10x + y) + 9 = (10y + x)$

$9y - 9x = 9$

$y - x = 1$ 　　...(ii)