## 02283

## OPENMAT-XLIV

## Entrance Test for Management Programmes 2018 December, 2018

- All questions are compulsory.
- Use of calculator is not allowed. Rough work may be done in the space provided at the end of the Test Booklet.
- The Test Booklet has the following four tests:

| Test-I | General Awareness | No. of Questions 30 |
| :--- | :--- | :--- |
| Test-II | English Language | No. of Questions 50 |
| Test-III | Quantitative Aptitude | No. of Questions 50 |
| Test-IV | Reasoning | No. of Questions 70 |

Read the instructions given on the OMR Response Sheet carefully before you start.

## How to fill up the information on the OMR Response Sheet (Examination Answer Sheet)

1. Write your complete Enrolment No. in 9 digits. This should correspond to the enrolment number indicated by you on the OMR Response Sheet. Also write your correct name, address with pin code in the space provided. Put your signatures on the OMR Response Sheet with date. Ensure that the Invigilator in your examination hall also puts his signatures with date on the OMR Response Sheet at the space provided.
2. On the OMR Response Sheet student's particulars are to be filled in by pen. However use HB pencil for writing the Enrolment No. and Examination Centre Code as well as for blackening the circle bearing the correct answer number against the serial number of the question.
3. Do not make any stray remarks on this sheet.
4. Write correct information in numerical digits in Enrolment No. and Examination Centre Code Columns. The corresponding circle should be dark enough and should be filled in completely.
5. Each question is followed by four probable answers which are numbered 1,2,3 and 4. You should select and show only one answer to each question considered by you as the most appropriate or the correct answer. Select the most appropriate answer. Then by using HB pencil, blacken the circle bearing the correct answer number against the serial number of the question. If you find that answer to any question is none of the four alternatives given under the question, you should darken the circle with ' 0 '.
6. If you wish to change your answer, ERASE completely the already darkened circle by using a good quality eraser and then blacken the circle bearing your revised answer number. If incorrect answer is not erased completely, smudges will be left on the erased circle and the question will be read as having two answers and will be ignored for giving any credit.
7. No credit will be given if more than one answer is given for one question. Therefore, you should select the most appropriate answer.
8. You should not spend too much time on any one question. If you find any particular question difficult, leave it and go to the next. If you have time left after answering all the questions, you may go back to the unanswered ones.
9. There is no negative marking for wrong answers.

## GENERAL INSTRUCTIONS

1. No cell phones, calculators, books, slide-rules, notebooks or written notes, etc. will be allowed inside the examination hall.
2. You should follow the instructions given by the Centre Superintendent and by the Invigilator at the examination venue. If you violate the instructions, you will be disqualified.
3. Any candidate found copying or receiving or giving assistance in the examination will be disqualified.
4. The Test Booklet and the OMR Response Sheet (Answer Sheet) would be supplied to you by the Invigilators. After the examination is over, you should hand over the OMR Response Sheet to the Invigilator before leaving the examination hall. Any candidate who does not return the OMR Response Sheet will be disqualified and the University may take further action against him/her.
5. All rough work is to be done on the test booklet itself and not on any other paper. Scrap paper is not permitted. For arriving at answers you may work in the margins, make some markings or underline in the test booklet itself.
6. The University reserves the right to cancel scores of any candidate who impersonates or uses/adopts other malpractices or uses any unfair means. The examination is conducted under uniform conditions. The University would also follow a procedure to verify the validity of scores of all examinees uniformly. If there is substantial indication that your performance is not genuine, the University may cancel your score.
7. In the event of your qualifying the Entrance Test, the hall ticket should be enclosed with your admission form (on-line at the time of registration) while submitting it to the University for seeking admission in Management Programmes along with your testimonials and programme fee. Admission forms received without hall ticket in original will be summarily rejected.

## TEST I

## GENERAL AWARENESS

1. Peak Mount Kamet of Himalaya is located in which state?
(1) J \& K
(2) Himachal Pradesh
(3) Uttarakhand
(4) Sikkim
2. Wild Ass sanctuary is located in which state ?
(1) J \& K
(2) Rajasthan
(3) Gujarat
(4) None of these
3. Ibn Batuta visited India during whose reign ?
(1) Mohammad-bin-Tughlaq
(2) Ibrahim Lodi
(3) Shershah Suri
(4) Shahjahan
4. Where was the Headquarter/Capital of French East India Company ?
(1) Goa
(2) Madras
(3) Hugli
(4) Surat
5. What is the Indian name of constellations Ursa Major (Great Bear) ?
(1) Mriga
(2) Saptarishi
(3) Kaleya
(4) Dhruva Matsya
6. First Olympiad started in Greece in :
(1) 767 B. C.
(2) 776 B. C.
(3) 677 B. C.
(4) 676 В. C.
7. A Judge of the High Court can hold office until the age of :
(1) 60 years
(2) 62 years
(3) 65 years
(4) 70 years
8. Wing Commander of Indian Air Force is equivalent of which Army rank ?
(1) Brigadier
(2) Lt. Colonel
(3) Major
(4) Colonel
9. What is the name of the Massive Open Online Course (MOOC) platform of HRD Ministry?
(1) Swayam
(2) Khudse
(3) Sarva Siksha
(4) None of these
10. Which Indian State city has became the first "Kerosene free State" ?
(1) Delhi
(2) Surat
(3) Mumbai
(4) Chandigarh
11. In which country Indian Govt. organized 1st Yoga Championship ?
(1) France
(2) Germany
(3) U.S.A.
(4) Egypt
12. Which is the 1 st country of the world to put a ban on Deforestation?
(1) Somalia
(2) Kiribati
(3) Turkey
(4) Norway
13. Who among the following headed the 7th Pay Commission?
(1) A. K. Mathur
(2) Vivek Rae
(3) Ratin Roy
(4) Meena Agarwal
14. In which city of India's first Water Metro Project that was recently launched ?
(1) Kochi
(2) Kolkata
(3) Hyderabad
(4) Chennai
15. When is Constitution Day celebrated in India to spread awareness about Constitution?
(1) 30 th November
(2) 25 th November
(3) 26th November
(4) 28th November
16. Dailong Village has been declared as a biodiversity heritage site, is in which state ?
(1) Assam
(2) Uttarakhand
(3) Sikkim
(4) Manipur
17. Which country has decided to pull out of Paris Climate agreement ?
(1) Russia
(2) U.S.
(3) China
(4) North Korea
18. Nuclear Capable Prithvi-II missile has been developed by :
(1) DRDO and ISRO
(2) DRDO and Bharat Dynamics
(3) ISRO and BEL
(4) Bharat Dynamics and BE
19. World Environment Day is celebrated on which Day ?
(1) Srd June
(2) 5th June
(3) 5 th July
(4) 3rd July
20. Which of the following is the official language in Argentina?
(1) Portuguese
(2) French
(3) Spanish
(4) Dutch
21. The dispute over Shatt-al-Arab region gave way to which of the following wars in modern world history?
(1) Arab-Israeli conflict
(2) Iran-Iraq war
(3) Russo-Persian war
(4) Gulf war
22. Which of the following was formed after nationalisation of Imperial Bank of India in 1955 ?
(1) Oudh Commercial Bank
(2) Punjab National Bank
(3) Bank of India
(4) State Bank of India
23. Which of the following is not a pillar of Basel III ?
(1) Minimum Capital standards
(2) Supervisory review
(3) Market discipline
(4) Consolidation of assets
24. Who among the following has been honored with the 2017 Mother Teresa Memorial Award for Social Justice?
(1) Nicole Kidman
(2) Emma Watson
(3) Angelina Jolie
(4) Priyanka Chopra
25. The joint naval exercise 'Sea Breeze' was held between India Navy with the naval force of which country?
(1) Saudi Arabia
(2) Turkey
(3) Iraq
(4) Oman
26. Who among the following has broken all the past records to become the fastest sailor in the world for sailling solo around the world ?
(1) Francois Gabart
(2) Thomas Loville
(3) Francis Joyon
(4) Robin Lee Graham
27. The 3rd edition of Raisina Dialogue, 2018 was held in which city ?
(1) Mumbai
(2) Gandhinagar
(3) New Delhi
(4) Jaipur
28. Who has been elected as the new President of Sahitya Academy ?
(1) Chandra Shekhar Kambar
(2) Madhav Koushik
(3) Pratibha Roy
(4) Manoj Das
29. The Bansagar dam is built on which river in Madhya Pradesh ?
(1) Narmada river
(2) Chambal river
(3) Tapti river
(4) Son river
30. Which Indian shuttler has won the 2018 Swedish Open Junior International Series?
(1) Parupalli Kashyap
(2) B. Sai Praneeth
(3) Kidambi Srikanth
(4) Siddhartha Pratap Singh

## ENGLISH LANGUAGE

Directions for Question Number 31 to 45 : Read the following passages and answer the questions below them.

## Passage I

Read the following passage and answer the questions below it:
Ideas about instanity have varied greatly during different periods of human history.

Scholars have speculated that early humans believed in prehistory that the voices characteristically heard by schizophrenics came from gods or spirits. One scholar even suggested that the first human being to have an identifiable thought experienced it as an internal voice and was terrified by it, and that the human brain evolved as bicameral in order to control such "voices". If so, the voices in schizophrenia might be a throwback to an earlier stage of humanity.

The ancient Greeks generally believed that mental illness was caused when angry gods took people's minds away, but, Hippocrates and his followers held that mental disorders, like physical disorders, had natural causes; and Plato thought of intanity as an imbalance where one part of the mind dominates the others.

The Middle Ages abandoned the naturalistic approach substituting instead demonic possession, so exorcists were hired to drive out demons. Insane people were sometimes confined on a ship ("ship of fools") which sailed from port to port, taking on food and water but never allowing its human cargo to disembark.

During the fifteenth century, belief intensified in demonic possession and witch hunts began. Persecution of witchcraft did not end until the eighteenth century, and throughout this period many mentally ill people were treated as witches. However, one historically famous institution for mental patients, Bethlehem Royal Hospital in London, was established in the sixteenth century; actually, it had been founded much earlier as a religious organization and had housed a few mental patients then. Bethlehem Hospitalwhose name is the origin of the term bedlam-had more patients than it could handle, though, and simply released many of them to wander as beggars.
Serious concern for the mentally ill developed in the eighteenth century, as fervor against witchcraft diminished and the concept of natural causes of disease took hold. An important figure was the French physician Philippe Pinel (1745-1826), who became
head of the Bicêtre Hospital for the Insane in Paris. Patients at Bicêtre had been kept chained, but Pinel insisted on unchanging many of them, with dramatically therapeutic results.

In the nineteenth century, approaches to mental illness were mixed. Some Philadelphians, for example, paid admission to mental hospitals, where they gawked at mental patients in chains and prided themselves on their own normality. More enlightened treatment was provided by the Society of Friends, who saw God (not Satan) in the insane. Early in the century, Quaker institutions practiced "moral treatment", allowing patients to roam the grounds freely and work in gardens. This moral treatment also included trying to create a homelike atmosphere for patients while isolating them from the conditions that were thought to have brought on their insanity, such as marital and financial problems.

In the twentieth century, treatments based on modern psychiatry have been developed; there has also been a new emphasis on patients' rights, and on the molecular-biological-chemical causes of insanity.
31. The title of the passage could be:
(1), Insanity : An unwanted disease
(2) Ancient approaches to treating insanity
(3) Cause and effect of treating insanity
(4) Looking at instanity through the ages
32. The primary focus of the passage is:
(1) Differential treatment of the insane
(2) A historical overview of treating the insane
(3) The inhuman treatment of the insane
(4) Cause and effect of insanity
33. All the ideas are mentioned in the passage except one :
(1) During the middle ages the mentally sick sometimes spent their entire life on the sea
(2) In the nineteenth century, some people treated insanity as a form of entertainment
4.(3) Ancient people were terrified of their thoughts
(4) Insanity was a defence mechanism àgainst marital and financial stress
34. The phrase "dramatically therapeutic results" suggests:
(1) the treatment improved suddenly
(2) there was considerable improvement in patients
(3) Dr. Pinel followed a good therapy
(4) the therapy worked miraculously
35. From the tone of the passage we can infer that the author is of the view that:
(1) there is no understanding of the mentally sick
(2) the mentally sick were ill-treated through the ages
(3) mental sickness can never be totally understood
(4) understanding and treatment of mental sickness is evolving
36. The Quaker institutions were "morally right" in comparison to others because they :
(1) treated patients in a relatively free and stress free environment
(2) felt that God not devil possessed the insane
(3) gave rights to the mentally sick
(4) viewed insanity as a moral problem
37. The style of the passage is:
(1) Persuasive
(2) Argumentative
(3) Creative
(4) Factual
38. The line most likely to follow this passage is:
(1) The twentieth century approach to patients' rights initially came about as an alternative to commitment in a mental institution
(2) In the 1960s and 1970s, views clashed about mental patients
(3) On the other side, many psychiatrists agreed that psychiatry was benevolent
(4) Other factors also contributed to deinstitutionalization

## Passage II

## Read the passage given below and answer the questions that follow:

The Potentially harmful effects of loneliness and social isolation on health and longevity, especially among older adults, are well established. For example, in 2013 it was reported after research that loneliness can impair health by raising levels of stress hormones and inflammation, which in turn can increase the risk of heart disease, arthritis, Type 2 diabetes, dementia and even suicide attempts.

Among older people who reported they felt left out, isolated or lacked companionship, the ability to perform daily activities like bathing, grooming and preparing meals declined and deaths increased over a six-year study period relative to people who reported none of these feelings.

Writing for The New York Times' department The Upshot last December, Dr. Dhruv Khullar, a physician and researcher at Weill Cornell Medicine in New York, cited evidence for disrupted sleep, abnormal immune responses and accelerated cognitive decline among socially isolated individuals, which he called "a growing epidemic".

As research moves forward on these topics, scientists are gaining a more refined understanding of the effects of loneliness and isolation on health. They are also looking into factors such as who is likely to be most seriously affected, and what kinds of interventions may reduce the associated riks.

There are some surprising findings. First, though equivalent in risk, loneliness and social isolation don't necessarily go hand-in-hand, Julianne Holt-Lunstad and Timothy B. Smith, psychologist-researchers at Brigham Young University, have ponited out.
"Social isolation denotes few social connections or interactions, whereas loneliness involves the subjective perception of isolation-the discrepancy between one's desired and actually level of social connection", they wrote in the journal Heart last year.

In other words, people can be socially isolated and not feel lonely; they simply prefer a more hermetic existence. Likewise, people can feel lonely even when surrounded by lots of people, especially if the relationships are not emotionally rewarding. In fact, Dr. Carla Perissinotto and colleagues at the Uniersity of California at San Francisco reported in 2012 that most lonely individuals are married, live with others and are not clinically depressed.
"Being unmarried is a significant risk", Holt-Lunstad said, "but not all marriages are happy ones. We have to consider the quality of relationships, not simply their existence or quantity".

As Dr. Nancy J. Donovan, a geriatric psychiatrist and researcher in neurology at Brigham and Women's Hospital in Boston, said in an interview, "There is a correlation between loneliness and social interaction, but not in everyone. It may be simplistic to suggest to people who are lonely that they should try to interact more with others."

Perhaps equally surprising is the finding that older adults are not necessarily the loneliest among us. Although most studies of the effects of loneliness have looked only at older people, Dr. Holt-Lunstad, who with colleagues has analysed 70 studies
encompassing 3.4 million people, said that the prevalence of loneliness peaks in adolescents and young adults, then also in the old.

According to Lousie Hawkley, senior research scientist at the National Opinion Research Center at the University of Chicago, "If anything, the intensity of loneliness decreases from young adulthood through middle age and doesn't become intense again until the oldest old age." Only 30 per cent of older adults feel lonely fairly often, according to data from the National Social Life, Health and Aging Project.
39. The primary focus of the article is:
(1) to discuss the role of loneliness and social isolation in old age
(2) understanding loneliness in society
(3) to understand the difference between social interaction and loneliness
(4) to combat loneliness
40. According to the passage loneliness is most acute :
(1) among young adults
(2) amongst children
(3) in middle age
(4) among the old
41. All the ideas are mentioned in the passage except one :
(1) loneliness effects the health of older people
(2) scientists are looking for ways to reduce the stress of loneliness
(3) loneliness may have a pathological effect on the brain
(4) most lonely people are married and are not clinically depressed
42. The phrase "they simply prefer a more hermetic existence" means:
(1) prefer to live a sparse life
(2) prefer to live a godly life
(3) prefer to be isolated
(4) prefer to abandon civilization
43. The phrase "loneliness and social isolation don't necessarily go hand-in-hand" suggests in the light of the passage :
(1) that people may be perfectly happy even if not interacting with others
(2) people who are surrounded by other people are always happier
(3) married people are happier
(4) we are lonely when other people perceive us as isolated
44. The appropriate title of this passage should be:
(1) Loneliness through the ages
(2) Loneliness and old age
(3) Lonely people are not always alone
(4) Loneliness and its effect on health
45. The line most likely to follow the passage is:
(1) Equally intriguing is a recent finding suggesting that loneliness may be a preclinical sign for Alzheimer's disease.
(2) In this study, loneliness was not associated with the extent of people's social network or social activity or even with their socio-economic status.
(3) "We have found stronger risks for those under 65 then for those over 65 ", HoltLunstad said.
(4) Suggestions for lonely or socially isolated adults have included taking a class, getting a dog, doing volunteer work and joining a senior centre.

Directions for Question Numbers 46 to 50 : Each of these questions consists of a word in capital letters followed by four alternative words or phrases. From among the alternatives, choose the word/phrase most nearly similar in meaning to the word in capital letters in each case :
46. PLAUDITS
(1) fits of anger
(2) suggestions
(3) praise
(4) arguments
47. RAVAGE
(1) destroy
(2) break
(3) abolish
(4) demolish
48. SAPIENT
(1) foolish
(2) sacred
(3) wise
(4) sallow
49. WALLOW
(1) cringe
(2) indulge
(3) coax
(4) ambish
50. TURPITUDE
(1) in action
(2) temporary
(3) lucid
(4) depravity

Directions for Question Numbers 51 to 55 : Each of those questions consists of a word is capital letters followed by four alternative words or phrases. From among the alternatives, choose the word/phrase most nearly opposite in meaning to the word in capital letters in each case :
51. VIRILE
(1) effeminate
(2) synthetic
(3) malignant
(4) robust
52. DEMUR
(1) concur
(2) disagree
(3) dissipate
(4) consume
53. BIAS
(1) unfairness
(2) subjective
(3) absoluteness
(4) objectivity
54. ABORTIVE
(1) successful
(2) defeated
(3) unfruitful
(4) fixed
55. FOOLHARDY
(1) quick
(2) sensative
(3) futile
(4) wise

Directions for Question Numbers 56 to 60 Choose the word or phrase that best completes each sentence:
56. After working for the foreign office, ordinary clerical work seemed rather $\qquad$
(1) exciting
(2) heavenly
(3) fascinating
(4) mundane
57. My job is so enjoyable and generously paid that I have little ........... to look for promotion elsewhere.
(1) incitement
(2) influence
(3) incentive
(4) instigation
58. As a $\qquad$ President, his views are treated with respect when he is interviewed.
(1) prior
(2) previous
(3) late
(4) former
59. His jokes seemed to $\qquad$ very well with his audience, if their laughter was any indication.
(1) go off
(2) go down
(3) go along
(4) go by
60. I think my fear of spiders must $\qquad$ from a horror film which I saw as a child.
(1) stem
(2) rise
(3) start
(4) begin

## Directions for Question Numbers 61 to 65 : Identify that part of the sentence which is

 incorrect :61. (1) The Government of India (2) has provided a lot of money (3) of the education (4) of backward communities.
62. (1) Most of the children (2) in the school I taught (3) some years ago (4) are coming from very backward families.
63. (1) If you look (2) at the map of the world (3) you find that hot deserts (4) are always almost on the western margins of land masses.
64. (1) The incidence of malaria (2) the number of people effected by the disease
(3) depends on the number of (4) mosquitoes infected.
65. (1) Human beings has always tried to (2) suppress weeds (3) and to prevent their propagation (4) and to eliminate harmful animals.

## Directions for Question Numbers 66 to 68 : Fill in the blanks with the correct options :

66. You won't be allowed into the club $\qquad$ you wear a suit and tie.
(1) if
(2) unless
(3) whether
(4) apart
67. $\qquad$ different cuisines from all over the world in Delhi.
(1) There are a lot of
(2) There's loads of
(3) There's much
(4) There is a lots of
68. How many times $\qquad$ not to do that?
(1) haven't I told you
(2) have I told
(3) I told you
(4) have I told you

## D. Directions for Question Numbers 69 and $70 \times$ Each question has a group of sentences marked $A, B, C, D$ and $E$. Arrrange these to form a logical sequence :

69. (A) That means, not many companies, individuals or housewives are in any hurry to reinstate the budget they cut during slowdown.
(B) Corporate boardrooms to kitchen cabinets, a New Normal rules the roost.
arte
(C) Though slowdown is last years story, a majority find comfort in this new regime and intend to stay with it.
ssis (D) Downturn taught enterprises and families alike to do more with less.
(E) For, the cut did not hamper the quality of life or productivity at work.
(1) BDCAE
(2) AEBDC
(3) EDCAB
(4) BADEC
70. (A) A compromise agreement may be reached.
(B) However, sometimes one of the sides decides to take industrial action.
(C) Where there is disagreement, bargaining or negotiating will take place.
(D) The management can 'lock out' the employees and prevent them from coming to work, which used to be quite common, but is rarely used today.
(E) Where this is not possible, the sides can go to arbitration and bring in a third party from outside to say what they think should happen.
(1) EBDCA
(2) BDCAE
(3) CAEBD
(4) DACBE

Directions for Question Numbers 71 to 75 : In all these questions, either a part or whole of the sentence is underlined. The sentence is followed by four ways of writing the underlined part. Select the alternative which represents the correct way of writing the underlined part as per Standard English :
71. After viewing both movies, John agreed that the first one was the best of the two.
(1) John agreed that the first was the best of the two.
(2) John agreed that the first one was the better of the two.
(3) John agreed that of the two the better was the first.
(4) John agreed that the best of the two was the first.
72. She seldom ever wants to try and face the true facts.
(1) seldom ever wants to try and face the facts.
(2) seldom ever wants to try to face the facts.
(3) seldom wants to try and face the facts.
(4) seldom wants to try to face the facts.
73. Ritu wanted to have gone to the movies.
(1) had wanted to have gone
(2) wanted to go
(3) wanted to have went
(4) had wanted to have went
74. Since we are living in India for ten years, we are reluctant to move to another country.
(1) Being that we are living
(2) Being that we have been living
(3) Since we have been living ${ }^{\circ}$
(4) Since we were living
75. Fame as well as fortune were his goals in life.
(1) Fame as well as fortune was his goals
(2) Fame as well as fortune was his goal
(3) Fame and fortune were his goals
(4) Fame also fortune were his goals

Directions for Question Numbers 76 to 80 : Each of these questions consists of an idiom, followed by four alternative words or phrases. Select the word or phrase which gives the correct meaning of the idiom :
76. Keep your shirt on :
(1) have courage
(2) don't lose your temper
(3) don't show off
(4) don't lose hope
77. A sight for sore eyes:
(1) very pleased to see someone
(2) eyes swollen because of a quarrel
(3) swollen eyes due to sleeplessness
(4) really unhappy to see someone
78. A close shave :
(1) a lucky escape
(2) a difficult task
(3) . a well guarded secret
(4) to abandon a task
79. To take up the Gauntlet:
(1) to accept defeat
(2) to accept a challenge
(3) to accept the honour
(4) to seriously take up the issue
80. To play ducks and drakes:
(1) to squander money recklessly
(2) to do hard work
(3) to be sly
(4) to fight with people

## TEST III

## QAUANTITATIVE APTITUDE

81. The average of 8 numbers is 21 . If each of the numbers is multiplied by 8 , the average of the new set of numbers is :
(1) 8
(2) 21
(3) 29
(4) 168
82. The aveage of odd numbers upto 100 is:
(1) 51
(2) 50
(3) 49.5
(4) 49
83. The average expenditure of a man for the first five months is ₹ 120 and for the next seven months it is ₹ 130 . If he saves ₹ 290 in that year, his monthly average income is:
(1) ₹ 140
(2) ₹ 150
(3) ₹ 160
(4) ₹ 170
84. In a class, there are 20 boys whose average age is decreased by 2 months, when one boy aged 18 years is replaced by a new boy. The age of the new boy is :
(1) 14 years 8 months
(2) 15 years
(3) 16 years 4 months
(4) 17 years 10 months
85. Laxman has to cover a distance of 6 km in 45 minutes. If he covers one half of the distance in 2/3rd time, what should be his speed to cover the remaining distance in the remaining time?
(1) $12 \mathrm{~km} / \mathrm{hr}$.
(2) $16 \mathrm{~km} / \mathrm{hr}$.
(3) $3 \mathrm{~km} / \mathrm{hr}$.
(4) $8 \mathrm{~km} / \mathrm{hr}$.
86. A speed of $30.6 \mathrm{~km} / \mathrm{hr}$. is the same as :
(1) $5.1 \mathrm{~m} / \mathrm{sec}$
(2) $8.5 \mathrm{~m} / \mathrm{sec}$
(3) $110.16 \mathrm{~m} / \mathrm{sec}$
(4) $1.7 \mathrm{~m} / \mathrm{sec}$
87. The ratio between the rates of walking of $A$ and $B$ is $2: 3$. If the time taken by $B$ to cover a certain distance is 36 minutes, the time taken by $A$ to cover that much distance is:
(1) 24 min .
(2) 54 min .
(3) 48 min .
(4) 21.6 min .
88. The length of a rectangle is doubled while its breadth is halved. What is the percentage change in area?
(1) 50
(2) 75
(3) No change
(4) 65
89. The cost of carpeting a room 15 metres long with a carpet 75 cm wide at 30 paise per metre is ₹ 36 . The breadth of the room is:
(1) 6 metres
(2) 8 metres
(3) 9 metres
(4) 12 metres
90. The area of an equilateral triangle whose side is 8 cm is :
(1) 64 sq. cm
(2) $21.3 \mathrm{sq} . \mathrm{cm}$
(3) $4 \sqrt{3}$ sq. cm
(4) $16 \sqrt{3}$ sq. cm
91. $9998 \times 999=$ ?
(1) 9997001
(2) 9988002
(3) 9987012
(4) 9898012
92. $\left(1-\frac{1}{3}\right)\left(1-\frac{1}{4}\right)\left(1-\frac{1}{5}\right) \cdots \cdots\left(1-\frac{1}{n}\right)=$ ?
(1) $\frac{1}{n}$
(2) $\frac{2}{n}$
(3) $\frac{2(n-1)}{n}$
(4) $\frac{2}{n(n+1)}$
93. What least number must be added to 1056 to get a number exactly divisible by 23 ?
(1) 21
(2) 25
(3) 3
(4) 2
94. A number is as much greater than 31 as is less than 55 . The number is:
(1) 47
(2) 52
(3) 39
(4) 43
95. The sum of squares of two numbers is 80 and the square of their difference is 36 . The product of the two numbers is:
(1) 22
(2) 44
(3) 58
(4) 116
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96. If the two digits of the age of Mr. Manoj are reversed, then the new age so obtained is the age of his wife. $\frac{1}{11}$ of the sum of their ages is equal to the difference between their ages. If Mr. Manoj is elder than his wife, then find the difference between their ages:
(1) Cannot be determined
(2) 10 years
(3) 8 years
(4) 9 years
97. $13.065 \times 13.065-3.065 \times 3.065=$ ?
(1) 161.3
(2) 159.5
(3) 141.6
(4) 100
98. What decimal fraction is 40 ml of a litre ?
(1) 0.4
(2) 0.04
(3) 0.05
(4) 0.005
99. 357 mangoes cost $₹ 1,517.25$, then what is the approximate cost of 49 dozen of mangoes ?
(1) ₹ 2,500
(2) ₹ 2,600
(3) ₹ 3,000
(4) ₹ 2,200
100. $\sqrt{\frac{0.324 \times 0.081 \times 4.624}{1.5625 \times 0.0289 \times 72.9 \times 64}}=$ ?
(1) 24
(2) 2.4
(3) 0.24
(4) 0.024
101. A group of students decided to collect as many paise from each member of group as is the number of members. If the total collection amounts to $₹ 22.09$, the number of members in the group is:
(1) 37
(2) 47
(3) 107
(4) 43
102. $10-[9-\{8-(7-6)\}]-5$ is equal to :
(1) -5
(2) 1
(3) 3
(4) 9
103. In a family, the father took $1 / 4$ of the cake and he had 3 times as much as others had. The total number of family members is :
(1) 3
(2) 7
(3) 10
(4) 12
104. The monthly salary of $A, B, C$ is in the proportion of $2: 3: 5$. If C's mothly salary is ₹ 1,200 more than that of A, then B's annual salary is :
(1) ₹ 14,400
(2) ₹ 24,000
(3) ₹ 1,200
(4) ₹ 2,000
105. Vinay got thrice as many marks in Maths as in English. The proportion of this marks in Maths and History is $4: 3$. If his total marks in Maths, English and History are 250, what are his marks in English?
(1) 120
(2) 90
(3) 40
(4) 80
106. 21 mango trees, 42 apple trees and 56 orange trees have to be planted in rows such that each row contains the same number of trees one variety only. Minimum number of rows in which the above trees may be planted is:
(1) 15
(2) 17
(3) 3
(4) 20
107. The measuring rods are $64 \mathrm{~cm}, 80 \mathrm{~cm}$ and 96 cm in length. The least length of cloth that can be measured exact number of times using any one of the above rods is:
(1) 0.96 m
(2) 19.20 m
(3) 9.60 m
(4) 96.00 m
108. In how many different ways can the letters of word JUDGE be arranged so that the vowels always come together?
(1) 48
(2) 24
(3) 120
(4) 60
109. The number of ways in which 5 boys and 5 girls can sit in a ring is :
(1) 10 !
(2) 9 !
(3) 5 !
(4) 6 !
110. ₹ 800 amounts to ₹ 920 in 3 years at simple interest. If the interest rate is increased by $3 \%$, it would amount to how much?
(1) ₹ 1,056
(2) ₹ 1,112
(3) ₹ 1,182
(4) ₹ 992
111. A trees increases annually by $1 / 8$ th of its height. What will be its height after 2 years, if it stands today 64 cm high ?
(1) 72 cm
(2) 74 cm
(3) 75 cm
(4) 81 cm
112. The age of a man is 4 times that of his son. Five years ago, the man was nine times as old as his son was at that time. The present age of the man is:
(1) 24 years
(2) 32 years
(3) 40 years
(4) 44 years
113. Pradeep spends 40 percent of his monthly income on food items and 50 percent of the remaining on clothes and conveyance. He saves one-third of the remaining amount after spending on food, clothes and conveyance. If he saves ₹ 19,200 every year, what is his monthly income?
(1) ₹ 24,000
(2) ₹ 12,000
(3) ₹ 16,000
(4) ₹ 20,000
114. The income of a broker remains unchanged though the rate of commission is increased from $4 \%$ to $5 \%$. The percentage of slump in business is:
(1) $8 \%$
(2) $1 \%$
(3) $20 \%$
(4) $80 \%$
115. In an examination it is required to get $36 \%$ of maximum marks to pass. A student got 113 marks and declared failed by 85 marks. The maximum marks are :
(1) 500
(2) 550
(3). 640
(4) 1008
116. What percent of selling price would be $34 \%$ of cost price if gross profit is $26 \%$ of the selling price?
(1) 17.16
(2) 74.00
(3) 25.16
(4) 88.40
117. When the price of a toy was increased by $20 \%$, the number of toys sold was decreased by $15 \%$. What was the effect on the sales of the shop?
(1) $4 \%$ increase
(2) 4\% decrease
(3) $2 \%$ increase
(4) $2 \%$ decrease
118. The marked price of an article is ₹ 480 . The shopkeeper allows a discount of $10 \%$ and gains $8 \%$. If no discount is allowed, his gain percent would be :
(1) $18 \%$
(2) $20 \%$
(3) $18.5 \%$
(4) $20.5 \%$
119. $\frac{1}{1000}=$ ?
(1) 0.0100
(2) 0.0010
(3) 0.1000
(4) 0.0001
120. A card is drawn at random from a pack of 100 cards numbered 1 to 100 . The probability drawing a number which is a square is :
(1) $1 / 5$
(2) $2 / 5$
(3) $1 / 10$
(4) . $3 / 10$
121. If each side of a cube is doubled, then its volume :
(1) is doubled
(2) becomes 4 times
(3) becomes 6 times
(4) becomes 8 times
122. If 3 persons weave 168 shawls in 14 days, how many shawls will 8 persons weave in 5 days?
(1) 90
(2) 105
(3) 126
(4) 160
123. If a man rows at $5 \mathrm{~km} / \mathrm{hr}$. in still water and $3.5 \mathrm{~km} / \mathrm{hr}$. against the current his rate along the current is :
(1) $8.5 \mathrm{~km} / \mathrm{hr}$.
(2) $6.5 \mathrm{~km} / \mathrm{hr}$.
(3) $6 \mathrm{~km} / \mathrm{hr}$.
(4) $4.25 \mathrm{~km} / \mathrm{hr}$.
124. A train 270 metres long is moving at a speed of 25 kmph . It will cross a man coming from the opposite direction at a speed of 2 km per hour in:
(1) 36 seconds
(2) 32 seconds
(3) 28 seconds
(4) 24 seconds
125. Two pipes $X$ and $Y$ can fill a cistern in 24 min . and 32 min . respectively. If both the pipes are opened together, then after how much time $Y$ should be closed so that the tank is full in 18 minutes?
(1) 6 min .
(2) 8 min .
(3) 10 min .
(4) 12 min .

Directions for Question Numbers 126 to 130 : Circle graph given below shows the expenditure incurred in bringing out a book, by a publisher. Study the graph carefully and answer the questions given below it:

126. What should be the central angle of the sector for the cost of the paper ?
(1) $22.5^{\circ}$
(2) $16^{\circ}$
(3) $54.8^{\circ}$
(4) $57.6^{\circ}$
127. If the cost of printing is $₹ 17,500$, the royalty is :
(1) ₹ 8,750
(2) ₹ 7,500
(3) ₹ 3,150
(4) ₹ 6,300
128. If the miscellaneous charges are $₹ 6,000$, the advertisement charges are :
(1) ₹ 90,000
(2) ₹ $1,333.33$
(3) ₹ 27,000
(4) ₹ 12,000
129. If 5500 copies are published, miscellaneous expenditures amount to $₹ 1,848$ and publisher's profit is $25 \%$, then marked price of each copy is :
(1) ₹ 8.40
(2) ₹ 12.50
(3) ₹ 10.50
(4) ₹ 10
130. Royalty on the book is less than the advertisement charges by:
(1) $3 \%$
(2) $20 \%$
(3) $16 \frac{2}{3} \%$
(4) $18 \%$.
P. T. O.

## REASONING

Directions for Question Numbers 131 to 133 : Select the related wordlletters from the given alternatives :
131. QPRS : TUWV : : JIKL
(1) MNOP
(2) MNPO
(3) NMOP
(4) NMPO
132. DIC : 493 : : FAH : ?
(1) 442
(2) 431
(3) 681
(4) 618
133. CIRCLE is related to RICELC in the same way as SQUARE is related to $\qquad$ ?
(1) QSUERA
(2) QUSERA
(3) UQSAER
(4) UQSERA
134. Choose similar number to the numbers in the given set. Given set $524,257,863,635,299,466$ :
(1) 523
(2) 444
(3) 723
(4) 785

Directions for Question Numbers 135 and 136 : Three of the following four are alike in certain way and so form a group. Which is the one that does not belong to the group?
135. (1) 93751
(2) 51379
(3) 99573
(4) 78526
136. (1) 71
(2) 77
(3) 61
(4) 73

Directions for Question Numbers 137 to 139 : Find the missing term in each of the following series :
187. 1, 4, 27, 16, ? , 36, 343
(1) 25
(2) 87
(3) 120
(4) 125
138. $0,2,3,5,8,10,15,17,24,26$, ?
(1) 28
(2) 30
(3) 32
(4) 35
139. 2, 15, 4, 12, 6, 7, ? ?
(1) 8,8
(2) 8,0
(3) 3,8
(4) 4,2
140. In the following series of numbers find out how many times 1,3 and 7 have appeared together, 7 being in the middle and 1 and 3 on either side of 7./2931737771331738571377173906:
(1) 3
(2) 4
(3) 5
(4) 6
141. How many even numbers are there in the following sequence of numbers each of which is immediately followed by an odd number as well as immediately preceded by an even number?

86768932753422355228119
(1) One
(2) Three
(3) Five
(4) Four
142. How many such pairs of letters are there in the word 'EXAMINATION' each of which has as many letters between them in the word as they have in the English alphabet?
(1) None
(2) One
(3) . Two
(4) Three
143. If the letters of the word 'TRANSFORM' are arranged as they appear in the English alphabet, the position of how many letters will remain unchanged after such rearrangement?
(1) None
(2) One
(3) Two
(4) Three
144. The position of how many letters in the word 'WONDERFUL' will remain unchanged when the letters within the word are arranged alphabetically?
(1) None
(2) One
(3) Two
(4) Three

Directions for Question Numbers 145 and 146 : Each question is based on the following alphabet series :

## ABCDEFGHIJKLMNOPQRSTUVWXYZ

145. If every alternate letter starting from $A$ is removed from the alphabet series, which letter among the remaining letters. would be third to the right of the fifth letter from the right?
(1) X
(2) V
(3) L
(4) J
146. If $A$ and $B$ are written as $B$ and $A, C$ and $D$ as $D$ and $C$ and so on till the end of alphabet series, what would be the position of M from your right?
(1) 11 th
(2) 12 th
(3) 13 th
(4) 14 th
147. Pankaj is taller than Vinod who is shorter than Pramod. Usha is taller than Priyanka but shorter than Vinod. Pramod is shorter than Pankaj. Who is the tallest?
(1) Priyanka
(2) Vinod
(3) Pramod
(4) Pankaj
148. Sameer is older than Milan but not as old as Anju. Priyanka is older than Shan but not as old as Milan. Who among them is the oldest?
(1) Milan
(2) Sameer
(3) Priyanka
(4) Anju
149. Prashant and Santosh are ranked eighth and twelfth respectively from the top in a class of 42 students. What would be their respective ranks from the bottom in the class ?
(1) 34th and 30th
(2) 31st and 35th
(3) 36th and 32nd
(4) 35th and 31st
150. In a row of children facing North, Sonam is shifted to her right by four places becomes eighteenth from the right end of the row. Anjuman, who is fifteenth from the left end of row is fifth to the left of Sonam. How many children are there in the row?
(1) 39
(2) 40
(3) 41
(4) 42
151. In a queue of children, Lovely is fifth from the left and Riya is sixth from the right. When they interchange their positions Lovely becomes thirteenth from the left, then what will be Riya's position from the right?
(1) 15 th
(2) 14 th
(3) 9 th
(4) 8 th
152., In a certain code MOUSE is written as PRUQC. How is SHIFT written in that code?
(1) VJIDR
(2) VKIDR
(3) VIKRD
(4) RKIVD
152. In a certain code KINGDOM is written as JMCLJHP. How is QUANTUM written in that code?
(1) VOLVPZS
(2) SZPLOVV
(3) RVBOUVN
(4) PZSLVOV
153. In a certain code language 'nu muk pic' means grave and concern, 'ill dic so' means every body else and 'tur muk so' means body and soul. Which of the following means 'every concern'?
(1) dic pic
(2) ill nu
(3) pic niu
(4) can't be determined
154. In a certain code 'Pick and Choose' is written as 'ko ho po' and 'Pick up and Come' is written as 'to no ko po'. How is 'Pick' written in that code ?
(1) Ko
(2) Po
(3) Either Ko or Po
(4) Can't be determined
155. If 'tree' means 'mountain', 'mountain' means 'water', 'water' means 'jungle', 'jungle' means 'bus', 'bus' means 'truck' and 'truck' means 'house', then where do fish live?
(1) Water
(2) Jungle
(3) Mountain
(4) Bus
156. If 'blue' is called 'red', 'red' is called 'green', 'green' is called 'black' and 'black' is called 'white', what is the colour of grass?
(1) red
(2) black
(3) white
(4) green

Directions for Question Numbers 158 to 160 : Each of the following questions has a circle with question mark. Replace the question mark by choosing the correct response from amongst the alternatives given :
158.

(1) 148
(2) 208
(3) 213
(4) 233
159. 1

(1) 21
(2) 25
(3) 27
(4) 29
160.

(1) 26
(2) 1
(3) 50
(4) 39
161. If ' + ' means ' - ', ' - ' means ' - ', $\div$ ' means ' $x^{\prime}$ and ' $x^{\prime}$ means ' + ', what is the value of $125-5 \times 10 \div 13+28$ ?
(1) 129
(2) 127
(3) 149.15
(4) 150
162. If ' P ' means 'divide by', ' $R$ ' means 'multiply by', ' T ' means 'ádd to' and ' $W$ ' means subtract from; then 60T48P8W6R9 =
(1) : 12
(2) $61 \frac{1}{23}$
(3) $-40 \frac{1}{2}$
(4) 24
163. A total of 324 coins of 20 paise and 25 paise makes a sum of 71 . The number of 25 paise coins is :
(1) 120
(2) 124
(3) 144
(4) 200
164. One-fourth of a herd of cows is in the forest. Twice the square root of the herd has gone to mountains and the remaining 15 are on the banks of river. The total number of cows is:
(1) 6
(2) 100
(3) 63
(4) 36
165. The following diagram shows 10 matchsticks forming three squares. What is the minimum number of extra matches to form five squares?

(1) 5
(2) 9
(3) 3
(4) 2
166. Father is 5 years older than mother and mother's age now is thrich that of the daughter. The daughter is now 10 years old. What was the father's age when the daughter was born?
(1) 30 years
(2) 20 years
(3) 15 years
(4) 25 years
167. A frog fell inte 30 metres deep well and tries to get out. It goes 3 metres up and falls 2 metres every day. Calculate the number of days it takes to get out:
(1) 30 days
(2) 28 days
(3) 29 days
(4) 27 days
168. Standing on a bridge, Prakash said that Patna is more than 3 km but less than 8 km from there. Prashant said that it was more than 6 km but less than 10 km from there. If both of them are correct, how far is Patna from the bridge?
(1) 8 km
(2) 7 km
(3) 6 km
(4) Can't be determined
169. A thief stole some diamonds from a jewellery shop. On the way out he met three strangers one by one and gave $\frac{1}{2}$ of the diamonds he had then and 2 more besides. He escaped with one diamond. How many diamonds he steal originally?
(1) 40
(2) 36
(3) 32
(4) 25
170. In a tournament 14 teams play league matches. If each team plays against every other team once only, then how many matches are played?
(1) 105
(2) 91
(3) 85
(4) 78

Directions for Question Numbers 171 to 174 : In each of the following questions, there are tivo statements labelled as Assertion ( $A$ ) and Reason ( $R$ ). Mark your answer as :
(1) If both $(A)$ and $(R)$ are true but $(R)$ is the correct explanation of $(A)$.
(2) If both (A) and (R) are true but (R) is not the correct explanation of (A).
(3) If (A) is true but (R) is false.
(4) If $(A)$ is false, but (R) is true.
171. Assertion $(A)$ : The length of day at equator is always 12 hours.

Reason ( $R$ ) : The angle of incidence of the Sun's rays at the equator is always constant.
172. Assertion (A) : China is the most populous country of the world.

Reason ( $R$ ) : It's density of population is much lower than that of India.
173. Assertion (A) : There are disparities in regional development on a global scale and within each country too.
Reason ( $R$ ) : Such disparities are mainly due to the lack of adequate skilled labour.
174. Assertion (A) : Plants are called primary producers.

Reason ( $R$ ) : Plants producer their food themselves through the process of photosynthesis.
175. Which year will have the same calendar as that of 2009 ?
(1) 2012
(2) 2016
(3) 2020
(4) 2015
176. What day of the week will 1st January, 2020 be, given that 1st January, 2009 is Sunday?
(1) Thursday
(2) Saturday
(3) Monday
(4) Friday
177. Which among the following years is a leap year?
(1) 1700
(2) 2300
(3) 3800
(4) 3200
178. What is the angle between the minutes hand and the hour hand of a clock at 9 hours 45 minutes?
(1) $45^{\circ}$
(2) $22 \frac{1}{2}^{\circ}$
(3) $45 \frac{1}{2}^{\circ}$
(4) $22^{\circ}$
179. How many degrees does the minutes hand cover in the same time in which the seconds hand covers $180^{\circ}$ ?
(1) $18^{\circ}$
(2) $6^{\circ}$
(3) $10^{\circ}$
(4) $3^{\circ}$
180. The time shown by the clock when seen in mirror is 9 hours 30 minutes. What is the actual time shown on the clock?
(1) 5 hours 30 minutes
(2) 2 hours 30 minutes
(3) 4 hours 20 minutes
(4) 3 hours 20 minutes
181. A bus for Sagar leaves every forty five minutes from a bus stand. An enquiry clerk told a passenger that the bus had already left ten minutes ago and the next bus will leave at $11.55 \mathrm{a} . \mathrm{m}$. At what time did the enquiry clerk give this information to the passenger?
(1) $11.05 \mathrm{a} . \mathrm{m}$.
(2) $10.35 \mathrm{a} . \mathrm{m}$.
(3) $11.25 \mathrm{a} . \mathrm{m}$.
(4) $11.20 \mathrm{a} . \mathrm{m}$.
182. Roshni walks a distance of 600 metres towards east, turns left and moves 500 metres, then turns left again and moves 500 metres and halfs. At what distance is she from the starting point?
(1) 600 metres
(2) 500 metres
(3) 0 metre
(4) 2200 metres
183. Vikas is facing towards west and turns $45^{\circ}$ clockwise, again $180^{\circ}$ clockwise and then turns through $270^{\circ}$ anticlockwise. In which direction is he facing now?
(1) West
(2) North West
(3) South
(4) South West

Directions for Question Numbers 184 to 186 : Study the information given below and answer the questions that follow:
$\mathrm{A}, \mathrm{B}, \mathrm{C}, \mathrm{D}, \mathrm{E}, \mathrm{F}, \mathrm{G}, \mathrm{H}$ and I are nine houses. C is 2 km east of B . A is 1 km north of $B$ and H 2 km south of $A$. G is 1 km west of $H$ while $D$ is 3 km east of $G$ and $F$ is 2 km north of $G$. I is just in middle of $B$ and $C$ while $E$ is just in middle of $H$ and $D$.
184. Distance between E and G is:
(1) 1 km
(2) 1.5 km
(3) 2 km
(4) 5 km
185. Distance between E and I is :
(1) 1 km
(2) 2 km
(3) 3 km
(4) 4 km
186. Distance between A and F is:
(1) 1 km
(2) 1.41 km
(3) 2 km
(4) 3 km
187. Introducing Geeta, Seema said, "She is the only daughter of my father's only daughter". How is Seema related to Gita?
(1) Niece
(2) Cousin
(3) Data Inadequate
(4) None of these

Directions for Question Numbers 188 to 190 : Read the following information and then answer the questions given below it :
$A+B$ means $A$ is the father of $B$
$A-B$ means $A$ is the wife of $B$
$A \times B$ means $A$ is the broher of $B$
$A \div B$ means $A$ is the daughter of $B$
188. If $P+R \div Q$, which of the following is true ?
(1) $P$ is the husband of $Q$
(2) $P$ is the brother of $Q$
(3) $P$ is the son of $Q$
(4) $P$ is the father of $Q$
189. If $P \times R-Q$, which of the following is true ?
(1) $P$ is the brother of $Q$
(2) $P$ is the father of $Q$
(3) P is the brother-in-law of Q
(4) $P$ is the uncle of $Q$
190. If $P-R \times Q$, which of the following is true ?
(1) $P$ is the brother of $Q$
(2) $P$ is the son of $Q$
(3) $Q$ is the husband of $P$
(4) $P$ is the sister-in-law of $Q$

Directions for Question Numbers 191 to 195 : Study the following information and answer the questions that follow :

Six lectures-A, B, C, D, E and F are to be delivered from Monday to Sunday, one lecture everyday
(i) Lecture C cannot be delivered on Friday.
(ii) Lecture A is delivered immediately after lecture D .
(iii) There should be a gap of 2 days between the lectures B and F.
(iv) There is one holiday except Saturday. Lecture F is delivered on the next day of holiday.
(v) Lecture E is delivered on Wednesday and it is not immediately followed by Lecture F .
191. On which day was lecture D delivered ?
(1) Friday
(2) Saturday
(3) Sunday
(4) Thursday
192. On which day was holiday?
(1) Thursday
(2) Sunday
(3) Monday
(4) None of these
193. How many lectures were delivered between F and D ?
(1) None
(2) One
(3) Two
(4) Three
194. Which of the following was last lecture ?
(1) A
(2) C
(3) B
(4) Cannot be determined
195. Which of the following statements is not necessary to determine the order of lectures?
(1) (i)
(2) (ii)
(3) (v)
(4) (i) and (ii)

Directions for Question Numbers 196 to 200 : Study the following information and answer the questions that follow :
$P, Q, R, S, T, V$ and $W$ are sitting around a circle facing the centre. $V$ is second to the left of P and second to the right of $\mathrm{W} . \mathrm{T}$ is third to the right of Q and is not an immediate neighbour of $V, S$ is third to the right of $R$.
196. Who is second to the right of $Q$ ?
(1) $\mathrm{R}^{-}$
(2) W
(3) T
(4) S
197. Who is to the immediate left of $S$ ?
(1) V
(2) T
(3) Q
(4) W
198. Who is to the immediate right of $R$ ?
(1) W
(2) T
(3) P
(4) Data inadequate
199. In which of the following groups is the first person sitting between the second and the third person?
(1) RPQ
(2) TWS
(3) QPR
(4) None of these
200. Who is third to the left of V ?
(1) $T$
(2) S
(3) W
(4) R

