

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

23-0001-AB

TEST BOOKLET

Time Allowed: Two hours

**PAPER – II
APTITUDE TEST**

Maximum Marks: 200

INSTRUCTIONS TO CANDIDATES

Read the instructions carefully before answering the questions: -

1. This Test Booklet consists of **24 (twenty four) pages** and has **100 (hundred) items (questions)**.
2. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
3. **Please note that it is the candidate's responsibility to fill in the Roll Number and other required details carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the OMR Answer Sheet liable for rejection.**
4. Do not write anything else on the OMR Answer Sheet except the required information. Before you proceed to mark in the OMR Answer Sheet, please ensure that you have filled in the required particulars as per given instructions.
5. Use **only Black Ball Point Pen** to fill the OMR Answer Sheet.
6. Each item (question) comprises of 04 (four) responses (answers). You are required to select the response which you want to mark on the OMR Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
7. You must mark all your responses **ONLY** on the separate OMR Answer Sheet provided to you. See directions on the OMR Answer Sheet.
8. *All items carry equal marks.*
9. **Candidates belonging to Persons with Benchmark Disability (only blindness and low-vision sub-category candidates who are availing help of a scribe to write answers for them) should not attempt questions where data interpretation (charts, graphs, tables, data sufficiency etc.) is required. Question numbers of such questions are highlighted in the Paper (e.g., if Question No. 1 is a highlighted question, it would look like **1.**). Marks of these questions will be distributed equally amongst the remaining questions for such candidates.**
10. After you have completed filling in all your responses on the OMR Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the OMR Answer Sheet**. You are permitted to take the Test Booklet with you.
11. **Penalty for wrong answers:**
THERE WILL BE **PENALTY** FOR WRONG ANSWERS MARKED BY A CANDIDATE.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to the question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to the question.
 - (iii) If a question is left blank. i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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Instruction for Question No. 1 to 4: Read the following passages and answer the questions that follow. Your answers to these questions should be based on the passages only.

Passage - 1

Every society, from the beginning of human history, has had some way of preparing young people for adult life. Many communities have regarded education as training for work. In many traditional societies, children still help the older members of the family in their work and so grow up to do the same job as their parents. Elsewhere, young boys used to be sent away for several years as apprentices to a craftsman to learn his trade. In the modern world, however, the main aim of education is to stimulate the child's mind and enable him to develop his personality and abilities to his limits.

1. The writer emphasizes that throughout history, in some way or another _____.
 - (a) Young people have chosen different ways of life from those of their parents
 - (b) Boys have managed to avoid work requiring a lot of physical effort
 - (c) Children have been forced to learn different crafts
 - (d) Children have been given education to equip them for future
2. The passage gives the idea that in the past, education _____.
 - (a) Was offered only to adults
 - (b) Was generally understood as a means of learning a skill
 - (c) Was strictly confined to the family and environment
 - (d) Did not relate at all to a person's working life
3. One can conclude from the given passage that modern education _____.
 - (a) Is a clear continuation of the practices of earlier times
 - (b) Is more interested in practical skills than mental development
 - (c) Gives more stress on the development of child's mind and character than it used to
 - (d) Puts too much pressure on a child

Passage- 2

The man who is perpetually hesitating for which of the two things he will do first, will do neither. The man who resolves, but suffers his resolution to be changed by the first counter-suggestion of a friend, who fluctuates from opinion to opinion and veers from plan to plan can never accomplish anything. He will at best be stationary and probably retrograde in all. It is only the man who first consults wisely, then resolves firmly and then executes his purpose with inflexible perseverance, undismayed by those petty difficulties which daunt a weaker spirit-that can advance to eminence in any line.

4. The keynote that seems to be emerging from the passage is that
 - (a) We should first consult wisely and then resolve firmly
 - (b) We should reject suggestions from friends
 - (c) We should always remain broadminded
 - (d) We should be resolute and achievement-oriented

5. Sonam takes casual leave on the first working day of every month. The office has weekly off on Saturday & Sunday. In a month of 30 days, the first working day happened to be Tuesday. What will be the day for his next casual leave?
- Tuesday
 - Wednesday
 - Thursday
 - Friday
6. If a clock takes 22 seconds to strike 12, how much time will it take to strike 6?
- 10
 - 11
 - 12
 - None of these
7. The numbers 7655 and 11284, when divided by a certain number of three digit, leave the same remainder. The three-digit number is:
- 179
 - 191
 - 201
 - 259
8. The word formed by using the 1st, 2nd, 6th and 9th letters of the word REVITALIZE means all of the following except:
- Create
 - Demolish
 - Topple
 - Level
9. The product of first fifty prime integers is always:
- an even number
 - an odd number
 - a prime number
 - a number ending with 1

Instruction for Question No. 10 to 12: Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

In the entire history of man's exploitation of nature, there can be few more depressing stories than the widespread destruction of whales. Whales have not only suffered untold cruelty but now face total extermination. Already entire population has been wiped out and the only reason why no species has yet been finished off is due to the vastness and inaccessibility of the oceans. Hence, a few have always managed to escape, but how much longer can this go on?

10. The author points out that of all the animals in nature, it is probably the whales that ____.
- Have aroused most sympathy among ordinary people
 - Have attracted the least scientific attention
 - Alone can survive man's hunting instincts
 - Have suffered most from man's cruelty

11. According to the passage, if whales have so far survived, it is because ____.
- (a) They have taken refuge in the vast expanses of the ocean
 - (b) They breed fast and are difficult to catch
 - (c) Modern man has recognized the need to preserve them
 - (d) Various measures have been taken to save them from total extermination
12. In the passage, the author expresses his doubts about whether ____.
- (a) Many species of whales ought to be preserved
 - (b) The exploitation of nature can be justified
 - (c) Whales can actually survive in future
 - (d) There is no point in preserving all the species of animals
13. What day of the week was the first day of the twenty first century?
- (a) Sunday
 - (b) Monday
 - (c) Tuesday
 - (d) Saturday
14. On dividing a natural number by the numbers 13 and 21, the remainders are 3 and 11 respectively. If the number lies between 500 and 550, then the remainder on dividing the number by 19 is:
- (a) 11
 - (b) 13
 - (c) 9
 - (d) 4
15. Find the odd pair from the given alternatives:
- (a) Horse: Mare
 - (b) Dog: Bitch
 - (c) Stallion: Colt
 - (d) Drake: Duck
16. The six-digit number 375375 is always divisible by
- (a) 7
 - (b) 11
 - (c) 1001
 - (d) All of these
17. The LCM of two numbers is 72 times their HCF. The sum of LCM and HCF is 584. If one of the numbers is 72, then the other number is:
- (a) 48
 - (b) 60
 - (c) 64
 - (d) 78

Instruction for Question No. 18: Read the following passage and answer the question that follow. Your answer to the question should be based on the passage only.

The world's GDP has increased by 50%, in the last two decades whereas inclusive wealth has increased by mere 6%. In recent decades, GDP-driven economic performance has only harmed inclusive wealth like human capital; and natural capital like forests, land and water. While the world's human capital which stands at 57% of total inclusive wealth grew by only 8%, the natural capital which is 23% of total inclusive wealth declined by 30% worldwide in the last two decades.

18. Which of the following is the most crucial inference from the above passage?
 - (a) More emphasis should be laid on the development of natural capital
 - (b) The growth driven GDP is neither desirable nor sustainable
 - (c) The economic performance of the countries of the world is not satisfactory
 - (d) The world needs more human capital under the present circumstances
19. How many pairs of letters are there in the word PRISON which has as many letters between them as in the alphabet?
 - (a) NIL
 - (b) 1
 - (c) 3
 - (d) more than 3
20. *Rahul maintains friendly and pleasant relations with you, whether you agree with him or not. Good communicators command your response and goodwill. You are willing to work with him again despite his differences.* Match this statement with one of the following:
 - (a) Precision
 - (b) Credibility
 - (c) Congeniality
 - (d) Control
21. If a dog is called 'Lion', a lion is called 'Bison', a bison is called "Snake", a snake is called 'Mongoose', and a mongoose is called 'Crocodile' then which one is reared as a pet?
 - (a) Lion
 - (b) Bison
 - (c) Snake
 - (d) Mongoose

Instruction for Question No. 22: Read the following passage and answer the question that follow. Your answer to the question should be based on the passage only.

Scientific knowledge has its dangers, but so has every great thing. Over and beyond the dangers with which it threatens the present, it opens up as nothing else can build the vision of a happy world; a world without poverty, without war, with little illness. Science, whatever unpleasant consequences it may have by the way, is in its very nature a liberator.

22. Which one of the following is the most important implication of the passage?
 - (a) A happy world is a dream of science
 - (b) Science can only build a happy world but it is also the only major threat
 - (c) A happy world is not possible without science
 - (d) A happy world is not possible with or without science

23. The sum of the squares of two positive numbers is 146. If the square of their difference is 36, then the numbers are:
 (a) 12, 6
 (b) 11, 5
 (c) 10, 4
 (d) 13, 7
24. The difference of a two-digit number and the number formed by interchanging its digits is 45. If the sum of its digits is 11, then the original number is:
 (a) 83
 (b) 74
 (c) 65
 (d) 92

Instruction for Question No 25: Given below are six statements followed by four sets of combination of three. Choose the set of three statements which make a logical sequence.

- A. All apes have hair
 B. All gorillas have hair
 C. All apes are gorillas
 D. All primates have hair
 E. All apes are primates
 F. All gorillas are grey
25.
 (a) DBE
 (b) CAB
 (c) ABC
 (d) DEA

Instruction for Questions No. 26 to 28: Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Dolphins are regarded as the friendliest creatures in the sea and stories of them helping drowning sailors have been common since Roman times. The more we learn about dolphins, the more we realize that their society is more complex than people previously imagined. They look after other dolphins when they are ill, care for pregnant mothers and protect the weakest in the community, as we do. Some scientists have suggested that dolphins have a language but it is much more probable that they communicate with each other without needing words. Could any of these mammals be more intelligent than man? Certainly, the most common argument in favour of man's superiority over them that we can kill them more easily than they can kill us is the least satisfactory. On the contrary, the more we discover about these remarkable creatures, the less we appear superior when we destroy them.

26. It is clear from the passage that dolphins ____.
- (a) Don't want to be with us as much as we want to be with them
 (b) Are proven to be less intelligent than once thought
 (c) Have a reputation of being friendly to humans
 (d) Are capable of learning a language and communicating with humans

27. The fact that the writer thinks that we can kill dolphins more easily than they can kill us-
- (a) Means that they are better adapted to their environment than we are
 - (b) Shows that dolphins have a very sophisticated form of communication
 - (c) Proves that dolphins are not the most intelligent species at sea
 - (d) Does not mean we are superior to them
28. One can infer from the reading that-
- (a) Communication is the most fascinating aspect of the dolphins
 - (b) Dolphins' have some social traits that are similar to those of humans
 - (c) Dolphins are quite abundant in some areas of the world
 - (d) Dolphins have skills that no other creatures have such as ability to think

Instruction for Question No. 29 to 33: Read the following information to answer the questions that follow.

Five professors, residing at five different cities teach five different subjects.

Mr. A does not stay either at Bangalore or Lucknow. He teaches Philosophy.

Mr. B does not stay either at Hyderabad or Lucknow. He teaches Mathematics.

Mr. D stays at Jaipur.

Mr. E does not stay either at Bangalore or Delhi. He teaches Geography.

Mr. C does not teach History and he stays at Delhi.

29. Who stays at Bangalore?
- (a) Mr. A
 - (b) Mr. B
 - (c) Mr. C
 - (d) Mr. D
30. Which of the following subjects does Mr. C teach?
- (a) Philosophy
 - (b) Mathematics
 - (c) History
 - (d) Economics
31. In which of the following places does Mr. E stay?
- (a) Bangalore
 - (b) Hyderabad
 - (c) Lucknow
 - (d) Delhi
32. Which of the following subjects does Mr. D teach?
- (a) Mathematics
 - (b) Philosophy
 - (c) Economics
 - (d) History
33. Which of the following combinations is wrong?
- (a) Mr. A - Hyderabad
 - (b) Mr. B - Geography
 - (c) Mr. C - Delhi
 - (d) Mr. D - History

Instruction for Question No. 34 to 37: Read the following statement and answer the questions that follow.

A cube is painted red, yellow and green on pairs of opposite cases. The cube is then cut into 64 smaller cubes.

34. How many small cubes are there whose faces are not colored?
 - (a) 4
 - (b) 0
 - (c) 8
 - (d) 16
35. How many small cubes are there whose only one face is colored?
 - (a) 32
 - (b) 16
 - (c) 8
 - (d) 24
36. How many small cubes are there whose at the most two faces are colored?
 - (a) 24
 - (b) 28
 - (c) 48
 - (d) 8
37. How many small cubes are there where one face is green and other one is either red or yellow?
 - (a) 8
 - (b) 16
 - (c) 24
 - (d) 28

Instruction for Question No. 38 to 43: Read the following passages and answer the questions that follow. Your answers to these questions should be based on the passages only.

Passage - 1

Recently, a study was made on the popularity of TV programmes and viewer's perception about their quality. The study of athletes towards prime- time television programmes showed that programmes with identical ratings in terms of numbers of people watching received highly divergent marks for quality from their viewers. This additional piece of information could prove valuable for advertisers who might be well advised to spend their advertising money for programmes that viewers feel are of high quality.

38. Which of the following inferences can be drawn from the above passage?
 - (a) The number of viewers decided the quality of the programmes
 - (b) The viewer's perception about the quality of programmes is significant for advertisers
 - (c) The poor quality of programmes has very few viewers
 - (d) Advertisers can derive benefit from the information about viewer's perception of quality of programmes

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39. Which of the following is/are the finding/findings of the study?
- 1) The viewers decide the prime-time television programmes
 - 2) The attitudes of viewers cannot be reliably assessed
 - 3) The advertisers were benefitted from good quality of programmes
- (a) Only 1
(b) Only 2
(c) Only 1 and 3
(d) None of the above
40. Which of the following can be inferred from the contents of the passage?
- 1) The advertisements can have some effect on the viewer's buying habits
 - 2) Money spent on advertising with high quality programmes yield more profits
 - 3) Different programmes with equal number of viewers can be rated differently as far as quality is concerned
- (a) Only 1
(b) Only 2 and 3
(c) Only 1 and 3
(d) Only 2

Passage – 2

Opera refers to a dramatic art form, originating in Europe, in which the emotional content is conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. By contrast, in musical theatre an actor's dramatic performance is primary, and the music plays a lesser role. The drama in opera is presented using the primary elements of theatre such as scenery, costumes and acting. However, the words of the opera, or libretto, are sung rather than spoken. The singers are accompanied by a musical ensemble ranging from a small musical ensemble to a full symphonic orchestra.

41. It is pointed out in the passage that opera
- (a) Has developed under the influence of musical theatre
 - (b) Is a drama sung with the accompaniment of an orchestra
 - (c) Is not a high budget production
 - (d) Is the most complex of all the performing arts
42. We can understand from the passage that
- (a) People are captivated by opera than the music
 - (b) Drama in opera is more important than music
 - (c) Orchestras in opera can vary considerably in size
 - (d) There is an argument over whether the music is important or the words in opera
43. We can infer from the passage that
- (a) Acting and costumes are secondary to music in musical theater
 - (b) Many people find musical theater more captivating than opera
 - (c) Music in musical theater is not as important as it is in opera
 - (d) An opera requires a huge orchestra as well as a large choir

44. A is two times as efficient as B and can complete a work in 30 days less time than B. Both A and B together can complete the work in:
- (a) 12 days
 - (b) 15 days
 - (c) 18 days
 - (d) 20 days
45. Some students are divided into two groups A and B. If 10 students are sent from group A to group B, the number of students in each group is same. But if 20 students are sent from B to A, the number of students in group A is twice the number of students in group B. The number of students in group A and B respectively are:
- (a) 100, 80
 - (b) 80, 100
 - (c) 110, 70
 - (d) 70, 110
46. Choose the word which is least like the other in the group:
- (a) Borneo
 - (b) Cambodia
 - (c) Rhodes
 - (d) Madagascar
47. The unit digit of the number $(2497)^{248} \times (323)^{726}$ is:
- (a) 1
 - (b) 3
 - (c) 7
 - (d) 9
48. Which number should come next in the series of 7, 10, 8, 11, 9, 12?
- (a) 7
 - (b) 12
 - (c) 10
 - (d) 13
49. Among the following fractions, _____ is greater than $\frac{1}{2}$
- (a) $\frac{4}{7}$
 - (b) $\frac{2}{5}$
 - (c) $\frac{4}{9}$
 - (d) $\frac{5}{11}$
50. How many feet does an object travelling at 6 feet per second travel in one hour?
- (a) 30
 - (b) 300
 - (c) 18000
 - (d) 720

Instruction for Question No. 51 to 54: Read the following passages and answer the questions that follow. Your answers to these questions should be based on the passages only.

Passage – 1

In a democratic state, where high degree of political maturity of the people obtains, the conflict between the will of the sovereign law-making body and the organized will of the people seldom occurs.

51. What does the passage imply?

- (a) In a democracy, force is the main phenomenon in the actual exercise of sovereignty
- (b) In a mature democracy, force to a great extent is the main phenomenon in the actual exercise of sovereignty
- (c) In a mature democracy, use of force is irrelevant in the actual exercise of sovereignty
- (d) In a mature democracy, force is narrowed down to a marginal phenomenon in the actual exercise of sovereignty

Passage – 2

Physiologically women may be more sensitive to environmental facts such as stress, seasonal changes and social rank. This responsiveness might help explain the high rates of depression among them. The symptoms of depression range from uncomfortable to debilitating: sleep disturbances, hopelessness and feeling of worthlessness, difficulty in concentrating, exhaustion and sometimes even delusions. Few people realize just how common depression is and how severe it can be or that it is most prevalent among women. Today 20% of the female population in the developed world suffers from depression.

52. The main thought of the text is

- (a) Why women are more affected by changes in the environment
- (b) Most people do not know how common depression is
- (c) The symptoms of depression and why women suffer more from it
- (d) The symptoms of depression vary between a feeling of uneasiness and exhaustion

53. Which of the following is not an indication of depression?

- (a) Feeling exhausted
- (b) Hallucination
- (c) Lack of sleep
- (d) Lack of self esteem

54. In accordance with the text-

- (a) A woman suffering from depression cannot focus her attention on anything for a long time
- (b) The percentage of men who suffer from depression is almost nil in developing countries
- (c) only women are affected with seasonal changes
- (d) at present 20% of the female population in the world suffer from depression

55. If a secret message HOTEL has been coded as 375. What will be the code for BOOK?
- (a) 260
 - (b) 172
 - (c) 215
 - (d) 86

56. Pointing to a person a man said to a woman, "His mother is the only daughter of your father". How was the woman related to the person?
- (a) Sister
 - (b) Wife
 - (c) Mother
 - (d) Daughter

57. Which letter will be 6th to the right to the 14th letter from the right end of the English alphabets?
- (a) R
 - (b) S
 - (c) G
 - (d) F

Instruction for Question No. 58: Read the statements given below and choose the correct option/options needed to find Choden's rank in the class.

58. **Statement (I)** : There are 60 students in the class.
Statement (II) : There are 20 students who scored less than Choden.
- (a) Statement (I) alone is sufficient but statement (II) is not sufficient.
 - (b) Either statement (I) or statement (II) is sufficient.
 - (c) Statement (II) alone is sufficient but statement (I) alone is not sufficient.
 - (d) Both the statements (I) and (II) are needed to find Choden's rank.

59. What is the solution of the equation $x-y=2$ and $x+y=4$

- (a) 3 and 1
- (b) 4 and 3
- (c) 5 and 1
- (d) -1 and -2

60. In a row of boys P is sitting 16th from left while Q is sitting 9th from right. If there are four boys between P and Q. How many boys are there in the row?
- (a) 27
 - (b) 28
 - (c) 19
 - (d) None of these.

Instruction for Question 61 and 62: Study the graph and the table given below carefully and answer the questions that follow.

Line graph showing the number of calculators sold out of total calculators in five different shops:

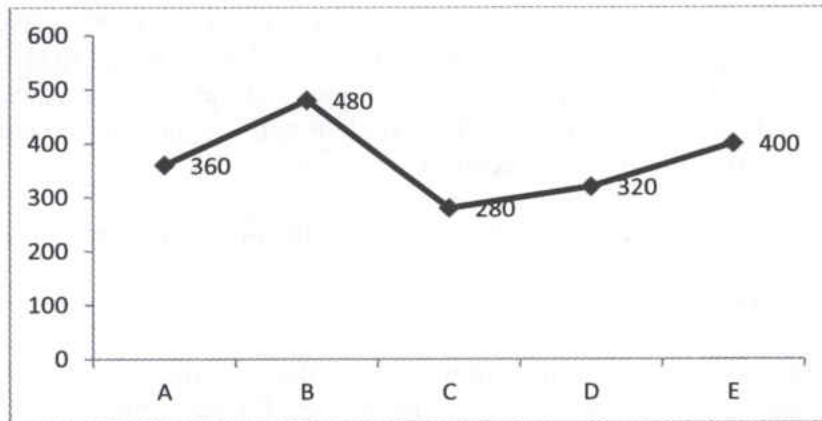


Table showing the percentage of unsold calculators out of the total number of calculators in five different shops:

Shop	% of unsold calculators
A	10%
B	20%
C	30%
D	20%
E	20%

61. The average number of unsold calculators in all the shops altogether is:

- (a) 88
- (b) 90
- (c) 92
- (d) 94

62. The number of unsold calculators in a shop F is the average number of the sold calculators in shops C and E. If the ratio of the number of sold calculators in shop F to A is 7 : 9, then the total number of calculators in shop F is:

- (a) 580
- (b) 600
- (c) 610
- (d) 620

63. A piece of tin is in the form of a rectangle having length 12cm and width 8cm. This is used to construct a closed cube. The side of the cube is:

- (a) 2cm
- (b) 3cm
- (c) 4cm
- (d) 6cm

Instruction for Question No. 64 to 67: Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passages only.

There is a modicum of truth in the assertion that “a working knowledge of ancient history is necessary to the intelligent interpretation of current events”. But the sage who uttered these words of wisdom might well have added something on the benefits of studying, particularly, the famous battles of history for the lessons they contain for those of us who lead or aspire to leadership. Such a study will reveal certain qualities and attributes which enabled the winners to win and certain deficiencies which caused the losers to lose. And the student will see that the same patterns recur consistently again and again, throughout the centuries.

64. According to the passage what can a person learn from the history of battles if one aspires to lead?
- What led the previous leaders to win a battle
 - What made them lose a battle
 - The qualities and deficiencies of commanders of these battles
 - The strategies that they have evolved in the course of these battles
65. In the context ‘intellectual interpretation of current event’ means
- Rational explanation of events
 - Appropriate understanding of events
 - Intellectual outlook on events
 - Skillful interpretation of events
66. The expression ‘more than a modicum of truth’ means
- Some truth
 - Much truth
 - More than a small amount of truth
 - Nothing but truth
67. According to the writer, a study of famous battles of history would
- Be beneficial to wise men
 - Provide food to modern leaders for reflection
 - Be more useful than a general knowledge of ancient history
 - Help us to understand the art of modern warfare
68. If the number $N = 1650$ be expressed as the product of prime factors, then the sum of all the factors of N is:
- 2016
 - 2808
 - 4464
 - 5068
69. A college starts at 10.00 am and continues till 1.30 pm. In this duration there are 5 periods. If 5 minutes are provided before each period to leave the room and enter the other, then what is the duration of each period?
- 41
 - 38
 - 40
 - 42

70. If we change the shape of an object from a sphere to a cylinder, then the volume of cylinder will—

- (a) Increase
- (b) Decrease
- (c) Double
- (d) Remain unchanged

Instruction for Question No. 71 to 73: Read the following passage and answer the question that follow. Your answers to the question should be based on the passages only.

Vacations were once the prerogative of the privileged few, even as late as the nineteenth century. Now they are considered the right of all. They are more necessary now than before because the average life is well rounded and has become increasingly departmentalized. The idea of vacations, as we conceive it, must be incomprehensible to primitive people. Rest of some kind has of course always been a part of the rhythm of human life. But earlier ages did not find it necessary to organize it in the way that modern man has done. Holidays, feast days were sufficient. But with the modern man's increasing tensions, with the useless quality of so much of his work, this break in the year's routine became steadily more necessary. Vacations became necessary for the purpose of renewal and repair.

71. The author's main purpose in the passage is to

- (a) Explore the history of vacations
- (b) Tell why vacations have become a part of modern man's life
- (c) Contrast holiday and festive occasion with vacation
- (d) Demonstrate that vacations are not really necessary

72. It is implied in the passage that our lives are very

- (a) Habitual
- (b) Patriotic
- (c) Independent
- (d) Varied

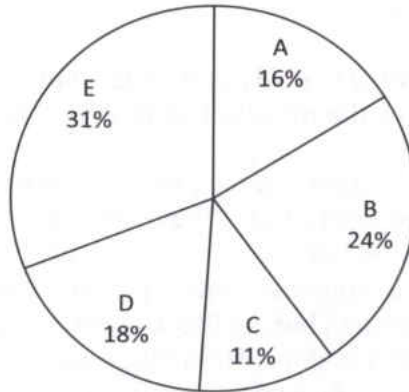
73. The contemporary attitude towards vacation is best expressed by which of the following proverbs?

- (a) A penny saved is a penny earned
- (b) The devil finds work for idle hand
- (c) All work and no play make Jack a dull boy
- (d) Many hands make light work

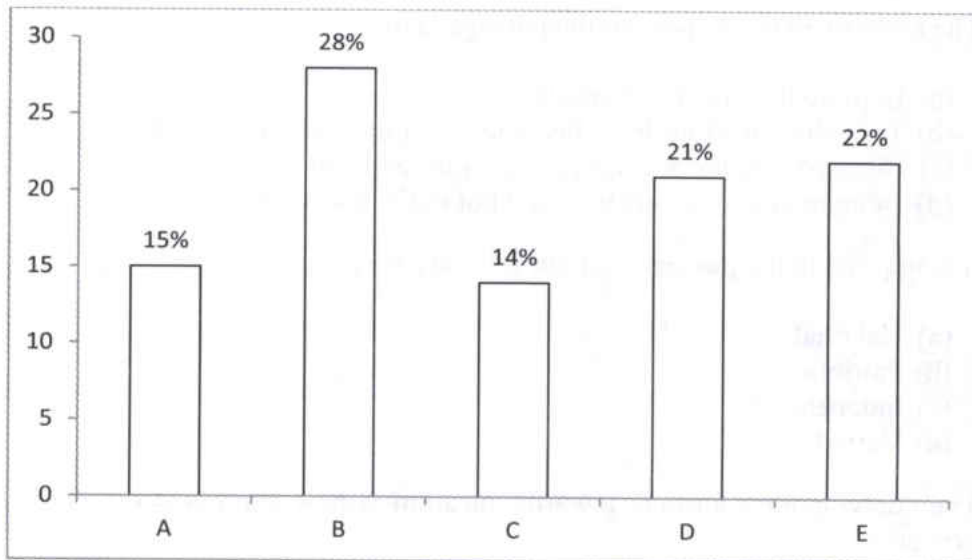
PAPER-II

Instruction for Question No. 74 and 75: Given below is a pie chart showing the percentage breakup of the number of people living in five different cities A, B, C, D and E and a bar graph showing the percentage breakup of the number of people going for work to other cities from their own cities. Study them carefully and answer the questions that follow.

Pie Chart for total number of people = 56000



Bar graph for total number of people going for work to other cities = 34000



- 74.** The total number of people not going for work from cities B and C together is:
- 5820
 - 5620
 - 5420
 - 5320

- 75.** The ratio of the total number of people in cities C and D to the number of people who are going for work from cities C and D to other cities is:
- 24 : 17
 - 22 : 17
 - 21 : 17
 - 28 : 19

PAPER-II

76. 'A+B' means A is father of B. 'A-B' means A is wife of B. 'A X B' means 'A is brother of B'. 'A/B' means A is daughter of B. If S/T+U+Z which of the following is true?

- (a) S is the daughter of Z
- (b) Z is the aunt of S
- (c) S is the aunt of Z
- (d) S is the mother of Z

77. Re-arrange the jumbled letters in their natural sequence and find the odd one out:

- (a) PTRMCOUE
- (b) PPLOAT
- (c) BELTTA
- (d) NKLCAECE

78. When a number is divided by 44 the remainder is 27. If the same number is divided by 11, then the remainder is:

- (a) 5
- (b) 7
- (c) 8
- (d) 9

79. If CAR is coded as 19 and TRUCK as 68. What will be the code for TAXI?

- (a) 60
- (b) 63
- (c) 50
- (d) 56

Instruction for Question No. 80 to 82: In the following questions you will find a part of an argument followed by four sentences. One of the four sentences complete the argument logically.

Find the correct sentences which complete the argument.

80. This man cannot succeed because he is not truthful.

- (a) Successful people are not truthful.
- (b) Successful people are truthful.
- (c) All truthful people are successful.
- (d) Some successful people are not truthful.

81. He will not fail in the examination because he has worked hard.

- (a) All who work hard fail in the examination.
- (b) Some who work hard fail in the examination.
- (c) No one who work hard fail in the examination.
- (d) Some of those who fail in the examination do not work hard.

82. He is a scientist so he cannot write good poems.
 (a) Most of the scientist cannot write poems.
 (b) Some persons who cannot write good poems are not scientist.
 (c) All persons who cannot write good poems are scientist
 (d) No scientist can write good poems.
83. Three farmers have 490 kg, 588 kg and 882 kg of rice respectively. Find the maximum capacity of a bag that the rice can be packed in exact number of bags?
 (a) 108 kg
 (b) 98 kg
 (c) 200 kg
 (d) 350 kg
84. Harish can row downstream 20 km in 2 hours and upstream 4 km in 2 hours. His speed of rowing in still water and the speed of the current is
 (a) 6 km/hour and 3 km/hour
 (b) 7 km/hour and 4 km/hour
 (c) 6 km/hour and 4 km/hour
 (d) 10 km/hour and 6 km/hour

Instruction for Question No. 85 to 86: There are two given statements followed by four conclusions I, II, III, IV. You have to take the given statement to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusion logically follows from the given statements.

85. **Statement:** Some parrots are crows
 No crows are bats.

Conclusion: (I) No bats are parrots.
 (II) All bats are parrots.
 (III) Some bats are parrots.
 (IV) Some bats are not parrots

- (a) Either I or II and either III or IV follows
 (b) Either I or III follows
 (c) Either II or IV follows
 (d) Either I or III and either II or IV follows

86. **Statement:** All stars are planets.
 All planets are trees.

Conclusion: (I) All planets are stars.
 (II) All stars are trees.
 (III) All trees are planets.
 (IV) Some trees are stars.

- (a) II, III & IV follow
 (b) I and III follows
 (c) All follow
 (d) II and IV follows

87. If Pema's monthly income is reduced by 15%, by what percentage must her monthly income be increased so that it is again equal to her original monthly income?

- (a) 6.6%
- (b) 15.6%
- (c) 14.6%
- (d) 17.6%

88. Which among the following does not belong with the others?

- (a) Guitar
- (b) Flute
- (c) Violin
- (d) Cello

89. When an individual acts in a manner that lacks consistency, regularity and uniformity is termed as *Erratic Behavior*. Which situation below is the best example of Erratic Behavior?

- (a) Jane cannot contain her anger whenever the subject of local politics is discussed.
- (b) Mark has just been told that he is expelled from school. Before leaving the Principal's office, he punches a hole in the door.
- (c) Dia has visited the dealership several times, but she cannot decide which car to buy.
- (d) In the past month, Jai, who has been a model employee for three years, has repeatedly called in sick, forgotten important meetings and been verbally abusive to colleagues.

90. $(6+5\sqrt{3}) - (4-3\sqrt{3})$ is

- (a) A rational number
- (b) An irrational number
- (c) A natural number
- (d) An integer

91. Rearrange the following sentences in the correct sequence:

P: to protect vegetables from cold
 Q: in view of the prevailing weather conditions
 R: farmers to smoke their fields during the night
 S: agricultural experts have advised

- (a) PRQS
- (b) QSRP
- (c) RPSQ
- (d) SPQR

92. If the first three letters of the word 'COMPREHENSION' are reversed and the last three letters are added to it and then the remaining letters are reversed and added, which letter will be fourth to the right of the mid letter?

- (a) E
- (b) C
- (c) I
- (d) H

93. Taking the turns R R L R L L L LR L L (R-Right, L-Left) what will be the last direction of a man going in the south direction?

- (a) East
- (b) West
- (c) North
- (d) South

94. How many times will the hands of a clock be in a straight line in one day?

- (a) 44
- (b) 48
- (c) 22
- (d) 24

95. Kamala was born in 27 BC; how old will she be on the same day in 32AD?

- (a) 57
- (b) 58
- (c) 59
- (d) 60

Instruction for Question No. 96 and 97: Given below are six statements followed by four sets of combination of three Choose the set in which the statements are logically related.

96.

- A. No school boy studies hard
- B. All school boys go to school
- C. Some school boys are good at games
- D. All school girls study hard
- E. No school girl is a school boy
- F. All school girls are children

- (a) ABC
- (b) BCD
- (c) ADE
- (d) DEF

97.

- A. All lions are brave
- B. All lions are regal
- C. All animals are lions
- D. All lions need food
- E. All animals need food
- F. All animals need rest

- (a) CDE
- (b) ABC
- (c) BCD
- (d) CEF

98. Rearrange the given sentence in the correct sequence:

- A. to relieve teachers and particularly children
- B. from facing undue stress and strain
- C. a continuous and comprehensive
- D. evaluation system must be introduced

- (a) BACD
- (b) CDAB
- (c) DACB
- (d) DBCA

99. How many four lettered words can be formed from the odd numbered letters of the word "BIOLUMINESCENCE"?

- (a) 3
- (b) 2 or less
- (c) 6 or more
- (d) 4

Instruction for Question No. 100: Read the following passage and answer the question that follow. Your answer to the question should be based on the passage only.

The enjoyment of physical possession of things would seem to be one of the prerogatives of wealth which has been little impaired. Presumably nothing has happened to keep the man who can afford them from enjoying his Picasso and his homegrown orchids. But enjoyment of things has always been associated with the third prerogative of wealth which is the distinct it confers. In a world where nearly everyone was poor, the distinction was very great. It was the natural consequence of rarity.

100. According to the passage the enjoyment of physical possession of things

- (a) Is one of the privileges of wealth which has not been changed
 - (b) Is one of the privileges of wealth which should be curtailed
 - (c) Has little to do with the prerogatives of wealth
 - (d) Is a prerogative of wealth which cannot be disputed
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PAPER-II

SPACE FOR ROUGH WORK

PAPER-II

SPACE FOR ROUGH WORK

PAPER-II

SPACE FOR ROUGH WORK