OBJECTIVE(MCQ) TYPE TEST

UG - 2017

DATE : 11/06/2017   **TIME : 10.00 AM**

(Do not open this QUESTION BOOKLET until you are asked to do so)

Maximum Marks : 150   Duration of Test : 2.30 Hours

(Use Ball point Pen to fill up this cover page of the Question Booklet)

Name of the Candidate :.. Roll No. :.............................

Date of Examination : ....

Signature of the Candidate : ....

IMPORTANT INSTRUCTIONS

Candidates should read the following instructions carefully and fill all the required particulars before answering the questions:

1) The Question Booklet is paper sealed. Candidates should open the question booklet only when they are asked to do so by the Invigilator.

2) Immediately after breaking the seal the candidates must check that Question Booklet has 150 questions with multiple choice answers. **If there is any discrepancy, immediately report to the Invigilator, for change of Booklet.**

3) Each Question Booklet has a Booklet Series A, B, C and D (printed at the Right Top Corner of the page) mentioned on it, which every candidate must carefully fill in the respective place provided for this in the OMR Answer Sheet. Failing to copy this series code in the OMR Answer Sheet will be liable to rejection of the OMR Answer Sheet.

4) Candidate must write his/her Name, Roll No., Date and then Sign on the front page of the Question Booklet at the appropriate places marked for this purpose.

5) Answers will have to be given on the Special OMR Answer Sheet supplied for this purpose. Question numbers progress from 1 to 150 with alternative answers shown as A, B, C and D.

7) Answer Sheets will be processed by electronic means. Hence, invalidation of Answer Sheet resulting due to folding or putting stray marks on it or any damage to the answer sheet as well as incomplete / incorrect filling of the answer sheet, will be the sole responsibility of the Candidate.

8) Please use **only blue or black ball point pen** to mark your answers.

9) While answering, choose only the Correct Alternative Answer from the four choices given alongwith the question and respond the same by shading the corresponding *OVAL* in the OMR Answer Sheet only. **Answers without any response, shall be awarded zero mark. There will be negative marking and 1/4th marks will be deducted for every wrong answer.**

10) Darken completely only one *OVAL* which you think is correct as shown in the figure below :

Correct Method   Wrong Method

11) Mark the answers only in the space provided. Please do not make any stray marks on the answer sheet. Rough work must be done on the pages (Space for Rough Work) given at the end of the Question Booklet and/or inside the Question Booklet.

12) **Please hand over the OMR Answer Sheet to the Invigilator before leaving the Test/Examination Hall. You can keep the Question Booklet**

13) Use of any electronic Device like Mobile, Calculator etc. is strictly prohibited, if found in possession, your candidature will be cancelled.

GENERAL ENGLISH

Direction for question nos. 1 to 5:
Read the following passage carefully and answer the questions given below it. Certain words/phrases are given in the bold to help you to locate them while answering some of the questions.

When we talk of education in our present age, we think largely in terms of schools and colleges. The man who is well-to-do spends money in sending his son to foreign lands, in the belief that some wonderful process will take place there **transforming a dull fellow into a genius**. Yet the products of expensive schools and universities often **fail to make good**. On the other hand, the poor man who has **struggled against adversity** often earns the highest honor. The fact is that the true background of early education is the home. The home, the influence of the mother, the inspiring examples that are held before the child at an age while he is impressionable, are the true groundwork of character.

1. According to the passage, who helps in the character-building?
    A) a foreign university
    B) a well-to-do man
    C) examples that inspire
    D) a man who has earned honor

2. The proper background of early education is:
    A) a school
    B) a college
    C) a religious institution
    D) the home

3. From the passage, we get an impression that the highest honor is earned by:
    A) a man who has received education in a foreign country
    B) a man who has struggled against adversity
    C) a man who has seen prosperity alone
    D) the son of a prosperous man

4. A well-to-do man sends his son of foreign lands:
    A) because it is the fashion of the day
    B) in the belief that his dull son will be transformed into a genius
    C) so that the son may learn the customs of those countries
    D) in order to make his son familiar with the persons and places of those countries

5. The expression "the products of expensive schools and universities often fail to make good" means:
    A) they fail to make a mark in life
    B) they fail to become intelligent
    C) they fail to earn proper living
    D) they do not earn good reputation

Direction for question nos. 6 to 10:
Read the sentences and fill in the blanks with the most suitable option.

6. The band played _____ five hours continuously.
    A) across
    B) for
    C) alongside
    D) since

7. The infant _____ a lot last night.
    A) cried
    B) cries
    C) cry
    D) crying

8. I don't have _____ cash with me.
    A) many
    B) a few
    C) much
    D) little

9. _____ Sharmas are originally from Mumbai.
    A) A
    B) An
    C) The
    D) No error

10. _____ the First World War, many people lost their lives.
    A) In   B) During   C) Within   D) Since

Direction for question nos. 11 to 13 :
In the following questions choose the word which best expresses the meaning of the given word.

11. **Contrary**
    A) Conflicting   B) Similar   C) Alike   D) Marvellous

12. **Ecstasy**
    A) Despair   B) Depression   C) Delight   D) Decent

13. **Pertinent**
    A) Comfort   B) Frank   C) Contradictory   D) Appropriate

Direction for question nos. 14 & 15 :
In the following questions choose the word opposite in meaning of the given word.

14. **Candid**
    A) Brutal   B) Fortune   C) Dishonest   D) Fair

15. **Wicked**
    A) Friendly   B) Clean   C) Victory   D) Vicious

Direction for question nos. 16 & 17:
Identify the type of nouns as per the instructions in the following sentences.

16. Identify the Proper Noun.
    He never goes anywhere without Shiv.
    A) He   B) goes   C) anywhere   D) Shiv

17. Identify the Collective Noun.
    The board believes in its CEO.
    A) board   B) CEO   C) believes   D) in

Direction for question nos. 18 to 20 :
In the following questions, the sentences have been given in Direct/Indirect Speech. Out of four alternatives suggested select the one which best expresses the given sentence in Indirect/Direct Speech.

18. He says, "I didn't finish my homework."
    A) He says that he had not finish his homework.   B) He says that he did not finish his homework.
    C) He says that he was not finished his homework.   D) He says that he had not been finish his homework.

19. He said, "Come here, boys."
    A) He says, "Come here, boys."   B) He said to boys "Come here."
    C) "Come here, boys" was said by him.   D) He called the boys.

20. "We wish we didn't have to take exams," said the students.
    A) No exams was wished by students.
    B) "We don't want exams," was wished by the students.
    C) The students said they wished they didn't have to take exams.
    D) The students wished and spoke about removal of exams.

Direction for question nos. 21 to 23 :
Select the alternative which best suggests the meaning of the following idioms/phrases.

21. **At one's fingertips**
    A) To take revenge   B) Winner   C) Complete knowledge   D) To fall ill

22. **At sea**
    A) Confused   B) In the middle of nowhere
    C) To swim   D) Very sad

23. **Apple pie order**
    A) In random order   B) Selecting the best   C) Best fruit packing   D) Neatness

Direction for question nos. 24 & 25 :
Identify the word spelt correctly.

24. A) Abeyense   B) Abayance   C) Abeyence   D) Abeyance

25. A) Adversety   B) Advercety   C) Adversity   D) Advercity

Direction for question nos. 26 to 30 :
Identify the error in each sentence and select the option which best defines the error. Ignore errors of punctuations, if any.

26. I accused her with stealing my wallet but she insisted about her innocence.
    A) I accused her with   B) Insisted about her innocence
    C) All of the above   D) None of the above

27. Crocodiles are found in the rivers of Australia. Some of they are very large.
    A) Crocodiles are found   B) In the rivers of Australia
    C) Some of they   D) Are very large

28. The capital of France is situating 4100 meters above the sea level.
    A) The capital of France   B) Is situating   C) 4100 meters above   D) No Error

29. The cattle grazing in the field belongs to the farmer.
    A) The cattle   B) Grazing in the field   C) Belongs to the farmer   D) No error

30. The man begun doing his work as soon as he finished eating.
    A) The man begun   B) Doing his work
    C) As soon as he finished eating   D) No error

In the following questions, some parts of the sentence/paragraph have been jumbled up. You are required to rearrange these parts which are labeled P, Q, R and S to produce the correct sentence/paragraph. Choose the option with proper sequence.

31. P. full of noble ideas
    R. one can wish for

    Q. it is the biggest asset
    S. mind of a student is

    A) PSRQ   B) SPQR   C) SQRP   D) PQRS

32. P. living beings and the environment.
    R. environment consists of both

    Q. there is a relationship between
    S. living and non-living things that surround us

    A) QPRS   B) RPQS   C) RSQP   D) QSRP

33. P. there are many reasons behind
    R. global warming is the

    Q. rise in average surface temperature of the earth globally
    S. increasing global warming

    A) RQPS   B) PQRS   C) PSRQ   D) RSPQ

34. P. on an average, it weights more than 4000 kg
    R. it is quite huge in size

    Q. elephants are vegetarians
    S. an elephant is the biggest living animal on land

    A) QRPS   B) QSRP   C) SQRP   D) SRPQ

35. P. stars and planets are a part of it
    R. galaxies consist of different types of matter

    Q. the number of stars is uncountable
    S. sun is also a star

    A) QSRP   B) QRPS   C) RPQS   D) PQRS

Direction for question nos. 36 to 40 :

In the following passage, there are blanks, each of which has been numbered. Against each, four words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Once upon a time, ...36... was a very lazy man who would always look for an easier way to feed himself. One day while he was searching for something to eat, he saw ...37... fruit farm. He looked ...38... and didn't see anyone guarding the fruits on the tree, so he quickly ...39... to steal some fruits. But as soon as he walked into the farm and started to climb the tree, the farmer ...40... him and started coming at him to catch him.

36. A) their   B) there   C) he   D) she

37. A) a   B) an   C) the   D) None of the above

38. A) carefully   B) up   C) around   D) throughout

39. A) decided   B) jumped   C) exercised   D) measured

40. A) followed   B) surveyed   C) prescribed   D) saw

41. Which movement was started by Mahatma Gandhi on March 12, 1930?
    A) Khilafat movement
    B) Noncooperation Co-operation
    C) Civil Disobedience Movement
    D) Quit India Movement

42. The Lakshadweep and the Andaman & Nicobar Islands in India are classified as?
    A) States
    B) Districts
    C) Capitals
    D) Union Territories

43. Brahmaputra River is also known as?
    A) Burlung-Buthur
    B) Tsangpo-Brahmaputra
    C) Yarlung Tsangpo
    D) All of Above

44. Which of the following countries share the longest land boundary with India?
    A) Bangladesh
    B) Nepal
    C) Bhutan
    D) None of Above

45. Mount Everest is located in which country?
    A) India
    B) China
    C) Bangladesh
    D) Nepal

46. Who is the Chief Minister of Madhya Pradesh?
    A) Siddaramaiah
    B) Shivraj Singh Chouhan
    C) Devendra Fadnavis
    D) K. Chandrashekar Rao

47. Who is the president of China?
    A) Shinzo Abe
    B) Barack Obama
    C) François Hollande
    D) Xi Jinping

48. Which country will host FIFA World Cup, 2018?
    A) Germany
    B) Italy
    C) Russia
    D) France

49. When was UNO founded?
    A) October 24th, 1945
    B) August 9th, 1991
    C) January 1st, 1957
    D) July 15th, 1950

50. What does "G" stand for in 4G?
    A) Generation
    B) Ground
    C) Game
    D) Giga Bites

51. Who was the inventor of airplanes?
    A) Albert Einstein
    B) Wright Brothers
    C) Isaac Newton
    D) Thomas Alva Edison

52. "Garba" is a dance associated with which state?
    A) Rajasthan
    B) Manipur
    C) Gujarat
    D) Punjab

53. Who won the Women's Singles Wimbledon Championship, 2016?
    A) Saina Nehwal
    B) Serena Williams
    C) Sania Mirza
    D) Maria Sharapova

54. Thames River flows though which country?
    A) United Kingdom
    B) USA
    C) China
    D) Australia

55. What is the capital of Germany?
    A) Berlin
    B) Athens
    C) Frankfurt
    D) Perth

56. Who was known as the "Iron Man of India"?
   A) Mahatma Gandhi   B) Jawahar Lal Nehru   C) Subhash Chandra Bose   D) Sardar Vallabhbhai Patel

57. "Washing Soda" is the common name for?
   A) Calcium bicarbonate   B) Sodium Carbonate   C) Table sugar   D) Ammonium

58. When is "World Population Day" celebrated?
   A) 16th October   B) 2nd June   C) 7th December   D) 11th July

59. Who was the first Prime Minister of India?
   A) Jawahar Lal Nehru   B) Bal Gangadhar Tilak   C) Rajendra Prasad   D) Sarvepalli Radhakrishnan

60. "Anemia" is caused due to the deficiency of?
   A) Iron   B) Zinc   C) Vitamin D   D) Vitamin C

61. The National Song of India was composed by
   A) Rabindranath Tagore   B) Jai Shankar Prasad   C) Bankim Chandra Chattarjee   D) Iqbal

62. Which of the following companies is owned by Flipkart?
   A) Myntra   B) Jabong   C) eBay India   D) All of the above

63. The filament of electric bulb is made of _____.
   A) Copper   B) Aluminum   C) Lead   D) Tungsten

64. An astronaut in outer space will observe sky as?
   A) White   B) Blue   C) Black   D) Red

65. Which of the following is the longest bone in human body?
   A) Ribs   B) Femur   C) Skull   D) Pelvis

66. "Dronacharya Award" is given to?
   A) Lawyers   B) Actors   C) Sports coaches   D) Doctors

67. The Ultraviolet Rays from the sunlight cause?
   A) Blood Cancer   B) Bone Cancer   C) Lung Cancer   D) Skin Cancer

68. Census in India is held after every_____ years.
   A) 15   B) 8   C) 5   D) 10

69. Which of the following has the highest calorific value?
   A) Carbohydrates   B) Fats   C) Proteins   D) Vitamins

70. Who invented the telephone?
   A) Alexander Graham Bell   B) Thomas Alva Edison
   C) Galileo   D) Marie Curie

71. The study of plants is knows as?
   A) Psychology   B) Aeronautics   C) Biology   D) Botany

72. "Bishop, Rook, Castling" are terms associated with which sport?
   A) Chess   B) Billiards   C) Boxing   D) Horse racing

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73. "Think Different" is the tagline of which Company?
   A) LG   B) Samsung   C) Apple   D) Sony

74. Who was Aryabhatta"?
   A) Doctor   B) Philosopher   C) Astronomer   D) Poet

75. "The Colosseum", one of the Seven Wonders of the World, is located in which country?
   A) Mexico   B) France   C) Italy   D) Egypt

76. "Elephant" is a symbol of which of the following political parties in India?
   A) Samajwadi Party (SP)   B) Bahujan Samaj Party (BSP)
   C) Congress   D) None of the above

77. "Ruble" is the currency of which of the following countries?
   A) France   B) Australia   C) Thailand   D) Russia

78. Who is the author of the book "Gulliver's Travels"?
   A) Jonathan Swift   B) Jeffrey Archer   C) Rudyard Kipling   D) William Shakespeare

79. Who is the First Lady of USA currently?
   A) Karen Pence   B) Michelle Obama   C) Ivanka Trump   D) Melania Trump

80. Who amongst the following is not an economist?
   A) Raghuram Rajan   B) Kailash Satyarthi   C) Manmohan Singh   D) Amartya Sen

REASONING

Direction for question nos. 81 to 85:

Study the given information carefully and answer the following questions:
Five persons are sitting around dining table. - K, L, M, N and O - K is the mother of M, who is the wife of O. N is the brother of K and L is the husband of K.

81. How is L related to O?
   A) Father
   B) Mother-in-law
   C) Brother-in-law
   D) Father-in-law

82. How is K related to O?
   A) Sister
   B) Mother-in-law
   C) Brother-in-law
   D) Mother

83. How is N related to L?
   A) Uncle
   B) Son
   C) Brother-in-law
   D) Brother

84. How is M related to L?
   A) Daughter
   B) Aunt
   C) Niece
   D) Daughter-in-law

85. How is N related to M?
   A) Brother
   B) Father-in-law
   C) Brother-in-law
   D) Uncle

Direction for question nos. 86 to 90:

In the following questions, three classes are given. Out of the four figures that follow, you have to indicate which figure will best represent the relationship amongst the three classes.

(1)   (2)   (3)   (4)
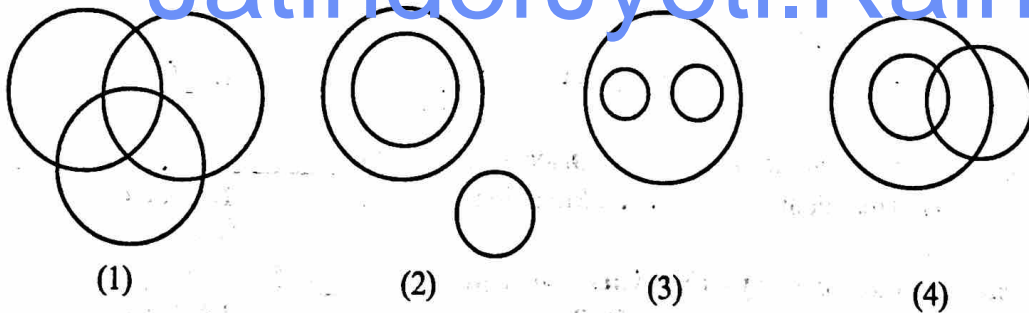
86. Women, Mothers, Widows
   A) (1)
   B) (2)
   C) (3)
   D) (4)

87. Authors, Teachers, Men
   A) (1)
   B) (2)
   C) (3)
   D) (4)

88. Sparrows, Birds, Mice
   A) (1)
   B) (2)
   C) (3)
   D) (4)

89. Tea, Coffee, Beverages
   A) (1)
   B) (2)
   C) (3)
   D) (4)

90. Boys, Students, Athletes
   A) (1)
   B) (2)
   C) (3)
   D) (4)

Direction for question nos. 91 to 95:
  If in a certain language, CHARCOAL is coded as 45164913 and MORALE is coded as 296137, then state the correct code for each of the given words.

91. **REAL**
   A) 8519   B) 6713   C) 6513   D) 6719

92. **ARCHER**
   A) 193859   B) 163546   C) 164576   D) 193476

93. **HEARL**
   A) 57163   B) 75163   C) 75198   D) 57193

94. **COACH**
   A) 38137   B) 49148   C) 48246   D) 49145

95. **ALLOCHRE**
   A) 19943785   B) 13394567   C) 16693895   D) 13396875

Direction for question nos. 96 to 98:
  Identify the missing term in the series.

96. BDF, CFI, DHL, ?
   A) CJM   B) EIM   C) EMI   D) EJO

97. Z, X, V, T, R, ?
   A) M   B) N   C) P   D) Q

98. 2, 6, 12, 20, 30, ?
   A) 42   B) 38   C) 44   D) 40

99. **Accident** is related to **Carefulness** in the same way as **Disease** is related to _____?
   A) Sanitation   B) Treatment   C) Medicine   D) Doctor

100. **Dancer** is related to **Stage** in the same way as **Minister** is related to _____?
   A) Podium   B) Assembly   C) Parliament   D) State

Direction for question nos. 101 to 103:
  Answer the questions based on the following information.
  Seven persons – P, Q, R, S, T, U and V, who are of different ages, are comparing their ages. We know the following information.

  i. P is younger than R, who is not older than S.
  ii. S is younger than only two persons
  iii. Q is not the oldest but older than fourth youngest person.
  iv. T is older than only U.

101. Who is the oldest?
   A) S   B) T   C) U   D) V

102. Who is the third youngest?
   A) V   B) P   C) R   D) S

1473_17 (A)
10

103. Who is the fourth eldest?
A) R　　　　　　　　B) P　　　　　　　　C) S　　　　　　　　D) V

104. Which of the following is true?
A) S is younger than R　　B) Q is older than P　　C) P is older than Q　　D) T is the fourth youngest

105. If there is one more person named D, who is younger than R and older than T. Then, which of the following statement is false?
A) D is older than U　　B) D is younger than S　　C) D is younger than P　　D) None of the above
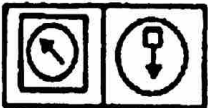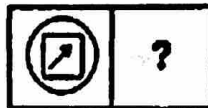
Direction for question nos. 106 to 110:
Study the given information carefully and answer the following questions:
Six people: C, D, E, F, G and H are standing in a straight line facing North not necessarily in the same order. D is standing second to the right of F. C is standing fourth to the left of H and H is not standing on the extreme end of the line. E is standing second the right of D.
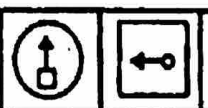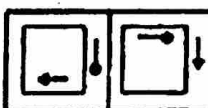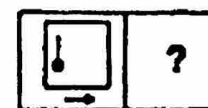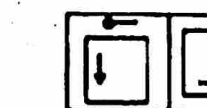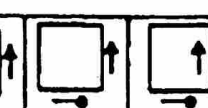
106. What is the position of G with respect to E?
A) Immediate left　　B) Second to the left　　C) Third to the left　　D) None of these

107. Which of the following pairs represents the people standing at the extreme ends of the line?
A) FH　　　　　　B) CE　　　　　　C) DE　　　　　　D) CH

108. Who is standing second to the right of C?
A) F　　　　　　B) D　　　　　　C) G　　　　　　D) E

109. If all the people are asked to stand in an alphabetical order from left to right, the positions of how many will remain unchanged?
A) 1　　　　　　B) 2　　　　　　C) 5　　　　　　D) None of these

110. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which of the following does not belong to the group?
A) CG　　　　　　B) GE　　　　　　C) DE　　　　　　D) GH

Direction for question nos. 111 & 112:
In the below questions, figure A and B are related to each other in a certain way. Similarly, figure C and D are also related to each other in the same way as A and B are related to each other. However, figure D is missing in each of the questions. You are required to find the missing D figure from the options given as 1, 2, 3, 4 and 5.

111.

A) 2　　　　　　B) 3　　　　　　C) 4　　　　　　D) None of these

112.

A) 1　　　　　　B) 5　　　　　　C) 3　　　　　　D) None of these

113. A, B, C and D play four different games among Baseball, Cricket, Kabaddi and Volleyball. A does not play Baseball or Cricket. B does not play Kabaddi or Volleyball. C plays Volleyball and D plays either Baseball or Volleyball. Who plays Cricket?
A) A   B) B   C) C   D) D

Direction for question nos. 114 & 115:
Each of the following questions consists of a statement followed by two arguments - I and II. You have to decide if the argument is strong or weak.

114. **Statement:** Should foreign films be banned in India?
Arguments:
I. Yes. They depict an alien culture which adversely affects our values.
II. No. Foreign films are of a high artistic standard.
A) If only argument I is strong   B) If only argument II is strong
C) Both I and II arguments are strong   D) Neither I nor II is strong

115. **Statement:** Should young entrepreneurs be encouraged?
Arguments:
I. Yes. They will help in industrial development of the country.
II. Yes. They will reduce the burden on employment market.
A) If only argument I is strong   B) If only argument II is strong
C) Both I and II arguments are strong   D) Neither I nor II is strong

116. My school is to the East of my house. My father's office is to the South-West of my school. A park is to the South of my school. In which direction is my house located with respect to the park?
A) East   B) North-West   C) South-East   D) North-East

117. How many degrees will the minute-hand move in the same time in which the second hand moves 300°?
A) 6°   B) 5°   C) 4°   D) 10°

Direction for question nos. 118 to 120:
Identify the odd one out.

118. A – Milk;   B – Ghee;   C – Paneer;   D – Butter
A) A   B) B   C) C   D) D

119. A – Piano;   B – Guitar;   C – Tabla;   D – Whistle
A) A   B) B   C) C   D) D

120. A – Google;   B – Firefox;   C – Internet Explorer;   D – Safari
A) A   B) B   C) C   D) D

121. Two numbers are respectively 20% and 50% more than the third number. What % is the first of the second?
A) 90%   B) 80%   C) 70%   D) 85%

122. If the annual increase in the population of town is 4% and the present number of people is 15,625, what will the population be in 3 years?
A) 17,476   B) 17,576   C) 18,576   D) 17,586

123. A merchant sold his goods for Rs. 75 at a profit % equal to the cost price. Find the cost price?
A) Rs. 60   B) Rs. 30   C) Rs. 40   D) Rs. 50

124. If the remainder obtained when 4S is divided by 7 is 3 then a possible value of S where S is a positive integer is?
A) 4   B) 5   C) 6   D) 7

125. Find the eighth term of an arithmetic progression whose first term is 7 and common difference is 5:
A) 42   B) 37   C) 32   D) Cannot be determined

126. Manu takes twice as much time as Anju and thrice as much time as Amit to finish a piece of work. Together they finish the work in one day. What is the time taken by Manu to finish the work?
A) 3 days   B) 2 days   C) 6 days   D) None of these

127. Find the roots of $x^2 + 2x - 15 = 0$.
A) −5, +3   B) 3, 5   C) −3, 5   D) −3, −5

128. How many times does the hour hand overlap with the minute hand in a day?
A) 24   B) 22   C) 20   D) 18

129. The ratio of the number of boys to the number of girls in a class is 3 : 5. If the average weights of the boys and the girls in the class are 20 kg and 16 kg respectively, find the average weight of the total students in the class (in kg).
A) 18   B) 17   C) 17.5   D) Cannot be determined

130. The present ages of two persons are in the ratio 7 : 8. Twenty years ago the ratio of their ages was 9 : 11. Find the present age of the older person (in years).
A) 40 years   B) 56 years   C) 72 years   D) 64 years

131. In a 200 m race, A gives B a start of 10 m and beats him by 10 m. Find the ratio of the speeds of A and B.
A) 10 : 9   B) 3 : 5   C) 5 : 3   D) 9 : 10

132. A and B started a business with investments of Rs. 20,000 each. A left after eight months and B stayed for a year. If the annual profit for that year is Rs. 2000. A's share in it is _____ (in Rs.)
A) 800   B) 400   C) 600   D) 1000

133. Given that LCM of two numbers is 608 and the product of the numbers is 2432. Find the HCF of the two numbers:
A) 12   B) 16   C) 18   D) 4

134. The cost of two pens and three erasers is Rs. 46. The cost of pen and two erasers is Rs. 26. Find the cost of four pens and four erasers.
A) 80   B) 100   C) 70   D) 60

135. If a man travelled at 3/4th of his usual speed, then the time taken in this case is how many times the usual time?
A) 3/4　　　　　B) 4/3　　　　　C) 3/5　　　　　D) Cannot be determined

136. The perimeters of similar triangles ABC and PQR are 32 cm and 40 cm respectively. Find the area of triangle ABC, if the area of triangle PQR = 100 sq. cm
A) 49 sq. cm　　　B) 25 sq. cm　　　C) 64 sq. cm　　　D) None of these

137. $N = 2^{25} \times 3^{15} \times 5^{16}$. Find the number of factors of N which are perfect cubes.
A) 310　　　　　B) 250　　　　　C) 200　　　　　D) 324

138. The breadth and height of a cuboid are 4 cm and 2 cm respectively. If the total surface area of the cuboid is 88 sq. cm, find the length of the cuboid (in cm).
A) 6　　　　　B) 5　　　　　C) 7　　　　　D) 8

139. The sum of the first 61 terms of an arithmetic progression is 0. Which of the following terms is necessarily 0?
A) 15th　　　　B) 30th　　　　C) 31st　　　　D) None of these

140. The compound interests earned in the third and the fourth years on a certain sum of money are Rs. 576 and Rs. 691.2. Find the sum.
A) 2000　　　　B) 1000　　　　C) 1200　　　　D) 1400

141. Adam can read a book in 'k' minutes. What part of the book can he read in 10 minutes? (k > 10)
A) 10 + k　　　　B) k/10　　　　C) 10/k　　　　D) (K-10)/k

142. The greatest angle in a triangle is opposite to the_____.
A) Smallest side　　B) Greatest side　　C) Either (A) or (B)　　D) Neither (A) nor (B)

143. A vessel contains 20 litres of a mixture of milk and water containing 60% milk. 5 litres of pure milk is added to it. Find the percentage of milk in the new mixture.
A) 50%　　　　B) 60%　　　　C) 62%　　　　D) 68%

144. Find the distance between the points A (2, 5) and B (7, −7)?
A) 13　　　　　B) 10　　　　　C) 11　　　　　D) 7

145. Karan takes 4 hours to row his boat 30 km in a river downstream and 8 hours to return. Find the ratio of the speed of his boat in still water and the speed of the stream.
A) 3 : 1　　　　B) 2 : 1　　　　C) 5 : 1　　　　D) Cannot be determine

14

Study the following graph carefully and answer the questions given below it.

PRODUCTION OF FOODGRAIN OVER THE YEARS (1000 TONNES)
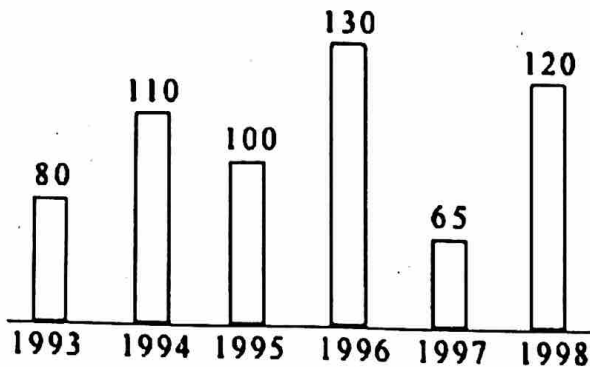
146. In the case of how many years was the production below the average production of the given years?
  A) 1   B) 2   C) 3   D) 4

147. What was the percentage drop in production from 1996 to 1997?
  A) 100   B) 50   C) 65   D) 40

148. In which year was the production 50% of the total production in 1993 and 1998 together?
  A) 1994   B) 1995   C) 1996   D) 1997

149. If the production in 1999 will be above the average production of the given years, which of the following could be the minimum production for 1999?
  A) 1,00,900 tonnes   B) 1,30,000 tonnes   C) 1,05,000 tonnes   D) 1,20,000 tonnes

150. What was the approximate percentage increase in production from 1993 to 1994?
  A) 60%   B) 110%   C) 40%   D) 30%

1473_17 (A)