

DO NOT BREAK THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

QUESTION BOOKLET**SERIES IV****Subject : General English, General Knowledge & Aptitude, Arithmetic****BOOKLET SERIAL NO.****51824****Marks : 350****Time : 3 (three) hours**

Read the following instructions carefully before you
begin to answer the questions.

INSTRUCTIONS TO CANDIDATES

1. This booklet contains **175 questions** to be answered in a separate OMR Answer Sheet using Black Ball Pen in following three parts.

Part-A-General English : 50 questions, Part-B-General Knowledge & Aptitude : 75 questions and Part-C-Arithmetic : 50 questions.
2. All Questions are compulsory.
3. You will be supplied the Answer sheet separately by the invigilator. You must complete the details of particulars asked for.
4. Answers must be shown by completely blackening the corresponding circles in the Answer Sheet against the relevant question number by Black Ball Pen. OMR Answer Sheet without marking series/ double series marking shall not be evaluated.

Example :

Supposing the following question is asked :-

The Capital of Meghalaya is-

- A. Guwahati
- B. Kohima
- C. Shillong
- D. Delhi

You will have four alternatives in the Answer Sheet for your response corresponding to each question of the Question Booklet as below :-

(A) (B) (C) (D)

In the above illustration, if your chosen response is alternative C i.e. Shillong, then the same should be marked on the Answer Sheet by blackening the relevant circle with a Black Ball Point Pen only as below :-

(A) (B) (C) (D)

WHICH IS THE ONLY CORRECT METHOD OF ANSWERING :

5. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any one question.
6. There will NOT be any negative marking for wrong answers.
7. The Answer Sheet must be handed over to the invigilator before you leave the Examination Hall.
8. No rough work is to be done on the Answer Sheet. Space for rough work has been provided in the question booklet.

PART - A - GENERAL ENGLISH

Marks :100

Each Question carry 2 marks

Directions : (Q.No.1 to 5) In these questions, some of the sentences have errors and some have none. Find out which part of a sentence A, B, C, D has an error and select that part as an answer. If there is no error, then (D) is the answer.

1. A month (A) / has passed (B) / since he came here (C) / No error (D)
2. He both (A) / obtained (B) / a prize and a scholarship (C) / No error (D)
3. She prevented (A) / me in visiting (B) / my mother (C) / No error (D)
4. We warned her (A) / of the danger (B) / by pickpockets (C) / No error (D)
5. I impressed (A) / on her the value (B) / of cleanliness (C) / No error (D)

Directions : (Q.No.6-15) In the following questions, sentences are given with blanks to be filled in with an appropriate and suitable word. Four alternatives are suggested for each question. Choose the correct alternative out of the four.

6. I _____ written the letter yet.
a) did not b) have not
c) will not d) have
7. The train _____ before we reached the station.
a) left b) had left
c) will leave d) has left
8. I shall have finished my work before he _____.
a) comes b) had come
c) came d) will come

9. The rain had stopped when _____.
a) we came out
b) we had come out
c) we would come out
d) we shall come out

10. The king, with all his ministers, _____ killed.
a) were b) was
c) are d) is

11. Mathematics _____ an interesting subject.
a) is b) are
c) was d) were

12. I shall rest after I _____ my work.
a) have finished b) will finish
c) was finishing d) have finish

13. _____ you worked harder, you would have passed the examination.
a) Should b) Have
c) Had d) Shall

14. Bread and butter _____ his favourite food.
a) is b) are
c) were d) none of the above

15. Neither John _____ his brother was present there.
a) or b) and
c) but d) nor

Directions : (Q.No.16-25) In these questions, out of the four alternatives given, choose the one which best expresses the meaning of the underlined word :

16. She wanted to mitigate his burdens.
a) lessen b) increase
c) postpone d) leave
17. He was last seen with the local hoodlums.
a) criminals b) devotees

c) workers

d) scholars

18. He is a sycophant who tries to win over politicians

a) a flatterer

b) an expert

c) an amateur

d) a teacher

19. He is negligent in doing his duty.

a) neglectful

b) disregardful

c) careless

d) all of the above

20. Some people have great aptitude for business.

a) natural ability

b) disregard

c) influence

d) none of the above

21. I have waived my claims in her favour.

a) given up

b) rejected

c) demanded

d) none of the above

22. He is a very conscientious worker.

a) scrupulous

b) dishonest

c) unethical

d) none of the above

23. The Government has proscribed this book.

a) prohibited

b) recommended

c) designated

d) none of the above

24. He is an ingenious mechanic.

a) stupid

b) absent-minded

c) clever

d) evil

25. He is a zealous worker in the cause of children's welfare.

a) disinterested

b) enthusiastic

c) indifferent

d) none of the above

Directions : (Q.No.26 to 35) Fill in the blanks with the appropriate preposition from the options given :

26. I apologise _____ her for my mistake.

a) from

b) with

c) to

d) by

27. All of us were shocked _____ her behavior.

a) in

b) with

c) by

d) at

28. You are prohibited _____ entering the class.

a) in

b) for

c) by

d) from

29. We warned her of the danger, _____ pick-pockets.

a) against

b) in

c) by

d) over

30. We must wrestle bravely _____ difficulties.

a) to

b) by

c) with

d) over

31. We hindered her _____ going there.

a) from

b) against

c) in

d) over

32. We furnished her _____ a copy of the letter.

a) in

b) over

c) with

d) for

33. The king ruled _____ a vast empire.

a) over

b) within

c) in

d) above

34. I insisted _____ her leaving this place at once.

a) on

b) over

c) with

d) against

35. Young people nowadays are not fond _____ reading books.

a) with

b) of

c) in

d) over

Directions : (Q.No.36 to 45) In these questions, four alternatives are given for the given idiom / phrase. Choose the alternative which best expresses the meaning of the given idiom / phrase.

36. Zero hour

a) a time when something important is about to begin

- b) GMT hour
- c) midnight hour
- d) none of the above

37. He has gone off the rails means
 a) the person's train has derailed
 b) the person has lost track of reality
 c) the person got off the railway track
 d) none of these

38. I am in the dark about his move means
 a) I am ignorant about his move
 b) I am not sure about his move
 c) I am in darkness when he moved
 d) none of the above

39. To be in a fix means
 a) to be able to repair something
 b) to be unable to move
 c) to be in a troublesome situation
 d) none of the above

40. To bark at the wrong tree means
 a) to look at the wrong place
 b) to accuse the wrong person
 c) all of the above
 d) none of the above

41. To burn the midnight oil means
 a) to waste precious resources
 b) to make every possible effort
 c) to stay up late
 d) none of the above

42. To move heaven and earth
 a) to pray earnestly
 b) to make every possible effort
 c) to sing beautifully
 d) none of the above

43. To jump the gun means
 a) to do something without finishing it
 b) to try and harm someone
 c) to do something before the appropriate time
 d) none of the above

44. To keep up with the Joneses means
 a) to be friendly

- b) to compete with others materially
- c) to try and get someone's attention
- d) none of the above

45. Out and out means
 a) spent
 b) unhappy
 c) bored
 d) none of the above

Directions : (Q.No.46-50) In these questions, out of the four alternatives given, choose the one which is opposite in meaning to the underlined word :

46. I find his views repugnant.
 a) indecent
 b) inoffensive
 c) ridiculous
 d) humourous

47. I will put your mettle to the test.
 a) cowardice
 b) fearlessness
 c) innocence
 d) simplicity

48. I am still dubious about that plan.
 a) certain
 b) unsure
 c) happy
 d) excited

49. He is an eminent doctor.
 a) unknown
 b) well-known
 c) distinguished
 d) careless

50. His report of the incident is credible.
 a) foolish
 b) unbelievable
 c) trustworthy
 d) shocking

PART - B - General Knowledge & Aptitude

Marks :150

Each question carry 2 marks :

51. "The length of its day and the tilt of its axis are almost identical to those of the earth". This is true of

- a) Uranus b) Neptune
- c) Saturn d) Mars

52. Of the landmarks in medical history given below, which one was the first to happen ?

- a) Bypass surgery b) Plastic Surgery
- c) Organ transplant d) Test-tube baby

53. Who wrote the General Theory of Employment, Interest and Money ?

- a) Brahmananda b) I. G. Patel
- c) J. K. Galbraith d) J. M. Keynes

54. Trojan Horses and Logic Bombs are associated with

- a) Agent Orange b) Internet Hacking
- c) Computer games d) Golden Triangle

55. Pedology refers to the study of

- a) fossils b) soils
- c) rocks d) caves

56. Which part of the human body would be affected by a Cutaneous disease ?

- a) Lungs b) Skin
- c) Kidney d) Brain

57. The largest and the most massive planet is

- a) Mercury b) Pluto
- c) Earth d) Jupiter

58. In eye donation, which one of the following parts of the donor's eye is utilised ?

- a) Iris b) Lens
- c) Cornea d) Retina

59. Plants obtain nutrients through their roots by

- a) buoyancy b) capillary action
- c) pressure of earth d) surface tension

60. Sugar in milk is

- a) Fructose b) Lactose
- c) Sucrose d) glucose

61. Which one of the following is known as hunter's paradise ?

- a) Monsoon region
- b) Equatorial region
- c) Savanna region
- d) Temperate region

62. Which one of the following is known as the "Coffee Port" of the world ?

- a) Sao Paulo b) Santos
- c) Buenos Aires d) Rio de Janeiro

63. Majuli, the largest river island in the World, lies in

- a) Uttaranchal b) Uttar Pradesh
- c) Assam d) West Bengal

64. Which among the following states is strategically situated between the river valleys of Myanmar and Bangladesh and encircled on three sides by Bangladesh ?

- a) Mizoram b) Nagaland
- c) Meghalaya d) Tripura

65. The Asiatic Society of Bengal was founded by

- a) Warren Hastings
- b) Robert Clive
- c) Sir William Jones
- d) R. N. Tagore

66. Who among the following, first put forward the Concept of Swaraj ?

- a) C. Rajagopalachari
- b) M. K. Gandhi
- c) Jawaharlal Nehru
- d) B. G. Tilak

67. Sponge is a / an

- a) animal b) plant

c) neither

d) both

68. Which of the following planets is known as the Earth's twin ?

a) Venus

b) Mars

c) Saturn

d) Uranus

69. Asia's largest brackish water lagoon, the Chilka lake, lies in

a) Maharashtra

b) Gujarat

c) Orissa

d) Rajasthan

70. Ebola is a fatal disease. It refers to

a) Blood Cancer

b) Haemophilia

c) Aids

d) a deadly Virus that causes haemorrhagic fever leading to death.

71. Which disease derives its name from the Greek Word for 'Crab' ?

a) Cystitis

b) Cancer

c) T. B.

d) Poliomyelitis

72. A distinguished son / daughter of India has composed the National Anthem of a neighbouring nation. The composer and the neighbour are

a) Sarojini Naidu ; Pakistan

b) Md Iqbal ; Burma (Myanmar)

c) Rabindranath Tagore ; Bangladesh

d) Subramania Bharati ; Nepal

73. The main raw material used in the manufacture of Cement is

a) Caustic Soda

b) fly ash

c) Limestone

d) Sulphate / Phosphates

74. The national song, Vande Mataram was composed by Bankim Chandra Chatterji in

a) Bengali

b) Hindi

c) Sanskrit

d) Assamese

75. The Chief ingredient of the mosquito repellent cream is derived from

a) Rice bran

b) Tulsi

c) Neem

d) Lemon

76. "Paradise Lost" was written by

a) Dr. Samuel Johnson

b) John Milton

c) William Shakespeare

d) Daniel Defoe

77. 'Chipko' movement is concerned with

a) Environmental protection

b) Human Rights

c) Women's welfare

d) Child Welfare

78. Which of the following countries is fully dependent on imported raw materials for its iron and steel industries ?

a) Japan

b) England

c) India

d) Germany

79. The largest inland sea in the world is the

a) Black Sea

b) Mediterranean Sea

c) Caspian Sea

d) North Sea

80. "Bonsai" refers to the

a) National game of Japan

b) Art of growing trees in small pots

c) Art of doing embroidery on cloth

d) Art of flower arrangement

81. Which of the following states is referred to as the "Spice garden of India" ?

a) West Bengal

b) Karnataka

c) Tamil Nadu

d) Kerala

82. The term 'Fourth Estate' refers to

a) property dealers

b) hoteliers

c) the press

d) the film industry

83. 'Late Blight' is a disease that affects

a) Cotton

b) Maize

c) Potato

d) Sugarcane

84. 'Triple Antigen' administered to children does not provide immunity against

a) Typhoid

b) Diphtheria

c) Tetanus

d) Whooping Cough

85. Who is considered as the architect of India's missile development technology?

- a) Dr. V. S. Arunachalam
- b) Dr. A. P. J. Abdul Kalam
- c) Dr. M. G. K. Menon
- d) Dr. Raja Ramanna

86. Arunachal Pradesh shares international boundaries with

- a) Nepal, Bhutan, Tibet and China
- b) Myanmar, China, Tibet and Bangladesh
- c) Bhutan, China, Tibet and Bangladesh
- d) Myanmar, China, Tibet and Bhutan

87. One of the youngest sciences which deals with production, control and application of very low temperature is

- a) Cryptography
- b) Cryogenics
- c) Acarology
- d) Crystallography

88. Pogonophobia refers to fear of

- a) Bees
- b) Blood
- c) Beard
- d) Bridges

89. Which one of the following ranks with New York and London as a member of the "Big Three" financial markets in the world?

- a) Mumbai
- b) Hong Kong
- c) Singapore
- d) Tokyo

90. The gas used in the artificial ripening of fruits is

- a) Methane
- b) acetylene
- c) ethane
- d) butane

91. 'Yellow Cake' an item of smuggling across borders, refers to

- a) a crude form of cocaine
- b) a crude form of heroin
- c) uranium oxide
- d) unrefined gold

92. Who among the following was the first Indian to win the title of "Miss Universe"?

- a) Aishwarya Rai
- b) Sushmita Sen
- c) Manpreet Brar
- d) Madhu Sapre

93. "Long Walk to Freedom" is the autobiog-

raphy of

- a) Martin Luther King
- b) Nelson Mandela
- c) Mrs Indira Gandhi
- d) Aung San Sui Kyi

94. The author of the famous book "The wealth of Nations" is

- a) Voltaire
- b) Malthus
- c) Karl Marx
- d) Adam Smith

95. In which of the following countries / continents do 90% of the malaria cases occur?

- a) Africa
- b) Mexico
- c) South America
- d) Russia

96. Indian beer is made essentially from

- a) barley
- b) sugarcane
- c) potato
- d) beetroot

97. Common salt is obtained from sea water by the process of

- a) filtration
- b) crystallisation
- c) sublimation
- d) evaporation

98. According to the World Health Organisation, the disease which causes the death of the largest number of people today, is

- a) Aids
- b) T B
- c) Malaria
- d) Ebola

99. The principal process involved in the manufacture of beer is

- a) blending
- b) distillation
- c) Fermentation
- d) all the three above

100. The motto of the Asian games is

- a) Put your best foot forward
- b) Ever Onward
- c) Looking out for the best of Asia
- d) From Darkness to light

Each question carry 2 marks :

101. If the statement "Some students are intelligent" is true, which of the following statements can be false?

- 1. All students are intelligent

2. No students are intelligent
3. Some students are not intelligent

Select the correct answer from the codes given below:

- | | |
|------------|---------------|
| a) 2 only | b) 3 only |
| c) 1 and 2 | d) 1, 2 and 3 |

102. Consider the following statements

1. All Children are inquisitive
2. Some Children are inquisitive
3. No Children are inquisitive
4. Some Children are not inquisitive

Which of the about statements cannot both be true and both be false? Select the correct answer from the codes given below ::

- | | |
|------------|------------|
| a) 2 and 4 | b) 1 and 4 |
| c) 3 and 4 | d) 1 and 2 |

103. Given the proposition 'No Indians are Europeans' is true. Which of the following propositions can be inferred as doubtful?

1. All Indians are Europeans
2. Some Indians are Europeans
3. Some Indians are not Europeans

Select the correct answer from the codes given below codes:

- | | |
|------------|-----------|
| a) 1 and 2 | b) 2 only |
| c) 3 only | d) None |

104. Three women are going together. Two of them are mothers, while two of them are daughters. How is the oldest related to the youngest of the three?

- | | |
|------------------|----------------|
| a) mother | b) daughter |
| c) granddaughter | d) grandmother |

105. Consider the following statements :

1. All machines make noise
2. Some machines make noise
3. No machines makes noise
4. Some machines do not make noise

Among the above four statements the two statements which cannot be either true or false would be

- | | |
|------------|------------|
| a) 3 and 4 | b) 1 and 4 |
| c) 1 and 2 | d) 2 and 4 |

106. If 'HKUJ' means 'FISH' what does

'UVCD' mean?

- | | |
|---------|---------|
| a) STAR | b) STAB |
| c) STAL | d) STAK |

107. If 'GOLD' is written as 'IQNF' in a code, how will 'WIND' be written in the code?

- | | |
|---------|---------|
| a) YKPF | b) XJOE |
| c) VHMC | d) DNIW |

108. If 'ENGLAND' is written as '1234526' and 'FRANCE' as '785291' how will 'GREECE' be written in this coding scheme?

- | | |
|-----------|-----------|
| a) 381191 | b) 381911 |
| c) 394132 | d) 381119 |

109. In a certain code 'STATION' is written as 'URCRKMP'. How will 'RAILWAY' be coded?

- | | |
|------------|------------|
| a) TWKJAYY | b) TZKJYZB |
| c) TYKJYYA | d) TCKYCYA |

110. In a certain code,

'Ces ski pir' means 'Nice tasty biscuits'

'Pir con kal' means 'Coffee is tasty'

'Ces pul pab' means 'Biscuits are crisp'

Which of the code represents 'nice'?

- | | |
|--------|--------|
| a) Ces | b) Ski |
| c) Pir | d) Pab |

111. In a certain code

'Sky is blue' is coded as '314', 'New blue skirt' is coded as '532' and 'This book is new' is coded as '1267'. What does the number '4' represent?

- | | |
|---------|--------|
| a) blue | b) is |
| c) sky | d) new |

112. If the statement "All men are liars" is false, which of the following statements can be true?

1. Some men are liars
2. Some men are not liars
3. No men are liars.

Select the correct answer from the following codes :

- | | |
|-----------|------------|
| a) 1 only | b) 2 only |
| c) 3 only | d) 1 and 3 |

113. Out of 50 players in a college, 10 play all the three games and 22 play two games. Equal numbers of players play only one game. 9 play cricket and hockey, 5 play hockey and volleyball. How many in all play cricket ?

- a) 31 b) 33
c) 36 d) 29

114. Find the next number in the series 3, 12, 27, 48, 75, 108,

- a) 147 b) 186
c) 192 d) 129

115. Ramesh bought some apples. On the first day his family ate one apple and one-fourth of the remaining apples. The next day they ate 2 apples and one fourth of the remaining on the third and final day they ate the remaining 3 apples. The total number of apples that Ramesh purchased was

- a) 21 b) 17
c) 9 d) 13

116. In an examination, Suresh ranks fifth from the top. Dinesh is 7 ranks ahead of Ramesh and four ranks behind Suresh. Kailash who is fifth from the bottom is 20 ranks behind Ramesh. How many students are there in the class ?

- a) 40 b) 39
c) 41 d) 42

117. The series of letters given here follow a definite order. Study the series and select the letter that will continue the given series

PQURQVRSRWTST

- a) Q b) U
c) W d) X

118. If the third monday in a month is 17th, which of the following days will occur five times in that month

- a) Tuesday b) Thursday
c) Friday d) Saturday

119. In a certain code language

'Pab bab rab' means 'rose is red'

'rab tab sab' means 'sky is blue'

'bab Yab gab' means 'red thick blood'

The code word for 'thick blood' is

- a) gab yab b) sab gab
c) tab pab d) bab gab

120. Among five boys, Vasant is taller than Manohar, but not as tall as Raju. Jayant is taller than Dutta, but shorter than Manohar. Who is the tallest in the group ?

- a) Raju b) Manohar
c) Vasant d) Cannot be determined

121. The boys and girls of one family are playing in the playground of a school. How many children are playing if each boy has the same number of brothers and sisters while each girl has three times as many brothers as sisters ?

- a) 5 b) 6
c) 8 d) 10

122. In a certain language, "TRIANGLE" is coded as "RSGBLHJF", what word will be coded as "DFYTR" ?

- a) BEAST b) FEAST
c) BOAST d) COAST

123. If $A + B$ means 'A is the brother of B', $A \div B$ means 'A is the father of B', $A \times B$ means 'A is the sister of B', then which one of the following shows that S is the uncle of R ?

- a) $R \div P \times S$ b) $T \times R \div S$
c) $T + Q \div P + R$ d) $S + A \div B \times R$

124. If the product of two numbers is 320 and their ratio 4 : 5, what is the difference between the squares of these two numbers ?

- a) 18 b) 144
c) 16 d) 324

125. In a row of boys, if Mahesh who is tenth from the left and Vivek who is ninth from the right interchange their places, Mahesh becomes fifteenth from the left. How many boys are there in a row ?

- a) 23 b) 22
c) 24 d) 21

PART - C - Arithmetic

Marks :100

Each question carries 2 marks :

126. If $\triangle ABC$ and $\triangle PQR$ are similar triangles in which angle $A = 47^\circ$ and angle $Q = 83^\circ$, then angle C is

- a) 50°
- b) 70°
- c) 60°
- d) 80°

127. The angle of elevation of the sun, when the length of the shadow of a tree $\sqrt{3}$ times the

height of the tree is

- a) 30°
- b) 45°
- c) 60°
- d) 90°

128. Find the compound interest on Rs.1000 at the rate of 20 % per annum for 18 month when interest is compounded half yearly.

- a) Rs.331
- b) Rs.1331
- c) Rs.320
- d) Rs.325

129. 1.14 expressed as a per cent of 1.9 is

- a) 6 %
- b) 10 %
- c) 60 %
- d) 90 %

130. 66 cubic centimetres of silver is drawn into a wire 1 mm in diameter. The length of the wire in metres will be

- a) 90
- b) 84
- c) 168
- d) 336

131. The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 13 and

14. The larger of the two numbers is

- a) 276
- b) 299
- c) 322
- d) 345

132. The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is

- a) Rs.3500
- b) Rs.3750

c) Rs.3840

d) Rs.3900

133. If A and B are in the ratio 3 : 4, and B and C in the ratio 12 : 13, then A and C will be in the ratio

- a) 3 : 13
- b) 9 : 13
- c) 36 : 13
- d) 13 : 9

134. A runs twice as fast as B and B runs thrice as fast as C. The distance covered by C in 72 minutes, will be covered by A in

- a) 18 minutes
- b) 24 minutes
- c) 16 minutes
- d) 12 minutes

135. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child ?

- a) 4 years
- b) 8 years
- c) 10 years
- d) None of these

136. An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon ?

- a) 144°
- b) 150°
- c) 168°
- d) 180°

137. If $\left(\frac{a}{b}\right)^{(x-1)} = \left(\frac{b}{a}\right)^{(x-3)}$ then the value of x is ?

- a) $1/2$
- b) 1
- c) 2
- d) $7/2$

138. $(256)^{0.16} \times (256)^{0.09} =$

- a) 4
- b) 16
- c) 64
- d) 256.25

139. The difference between the length and the breadth of a rectangle is 33 m. If its perimeter is 134 m, then its area is

- a) 800 m^2
- b) 850 m^2
- c) 900 m^2
- d) 950 m^2

140. The value of $\frac{\log \sqrt{8}}{\log 8}$ is

- a) $1/6$
c) $1/2$

- b) $1/4$
d) $1/8$

141. If $\log\left(\frac{a}{b}\right) + \log\left(\frac{b}{a}\right) = \log(a+b)$, then

- a) $a + b = 1$
c) $a = b$

- b) $a - b = 1$
d) $a^2 + b^2 = 1$

142. The average of the first five multiples of 9 is

- a) 20
c) 28

- b) 27
d) 30

143. Three numbers are in ratio 1 : 2 : 3 and HCF is 12. The numbers are

- a) 12, 24, 32
c) 12, 24, 36

- b) 11, 22, 33
d) 5, 10, 15

144. Two numbers are in the ratio 3 : 4. If their LCM is 240, the smaller of two number is

- a) 100
c) 60

- b) 80
d) 50

145. A train running at the speed of 60 km / hr crosses a pole in 9 seconds. What is the length of the train ?

- a) 120 metres
c) 324 metres

- b) 180 metres
d) 150 metres

146. The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq.cm, what is the length of the rectangle ?

- a) 16 cm
c) 24 cm

- b) 18 cm
d) Data inadequate

147. A towel, when bleached, was found to have lost 20 % of its length and 10 % of its breadth. The percentage of decrease in area is

- a) 10 %
c) 20 %

- b) 10.08 %
d) 28 %

148. By selling a bicycle for Rs.2,850, a shop-keeper gains 14 %. If the profit is reduced to 8 %, then the selling price will be

- a) Rs. 2,600
c) Rs. 2,800

- b) Rs. 2,700
d) Rs. 3000

149. The marked price of a radio is 20 % more than its cost price. If a discount of 10 % is given on the marked price, the gain per cent is

- a) 15
c) 10

- b) 12
d) 8

150. The last digit of number $11^{123} + 5$ is

- a) 6
c) 8

- b) 7
d) 1

151. Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs.73. What are the fares for cities B and C from A ?

- a) Rs. 4, Rs. 23
c) Rs. 15, Rs. 14

- b) Rs. 13, Rs. 17
d) Rs. 17, Rs. 13

152. The cube root of .000216 is

- a) .6
c) 77

- b) .06
d) 87

153. How many cubes of 3 cm edge can be cut out of a cube of 18 cm edge ?

- a) 36
c) 216

- b) 232
d) 484

154. What nearest approximate decimal of an hour is a second ?

- a) 0.0025
c) 0.00027

- b) 0.0256
d) 0.000126

155. When 0.232323 is converted into a fraction, then the result is

- a) $1/5$
c) $23/99$

- b) $2/9$
d) $23/100$

156. If $a - b = 3$ and $a^2 + b^2 = 29$, find the value of ab .

- a) 10
c) 15

- b) 12
d) 18

157. The value of $[(10)^{150} \div (10)^{146}]$

- a) 1000
c) 100000

- b) 10000
d) 10^6

158. The angle between the minute hand and the hour hand of a clock when the time is 4.00,

is

- a) 100° b) 120°
c) 140° d) 150°

159. The average temperature for Wednesday, Thursday and Friday was 40°C . The average for Thursday, Friday and Saturday was 41°C . If temperature on Saturday was 42°C , what was the temperature on Wednesday?

- a) 39°C b) 44°C
c) 38°C d) 41°C

160. The average marks of four subjects is 120. If 33 was misread as 13 during the calculation, what will be the correct average?

- a) 122 b) 120
c) 125 d) 121

161. Today is Monday. After 61 days, it will be:

- a) Wednesday b) Saturday
c) Tuesday d) Thursday

162. A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five women enter. Now, number of men and women is equal. In the beginning, how many passengers entered the bus?

- a) 15 b) 30
c) 36 d) 45

163. A farmer built a fence around his square plot. He used 27 fence poles on each side of the square. How many poles did he need altogether?

- a) 100 b) 104
c) 108 d) None of these

164. In a city, 40% of the adults are illiterate while 85% of the children are literate. If the ratio of the adults to that of the children is 2 : 3, then what percent of the population is literate?

- a) 20 % b) 25 %
c) 50 % d) 75 %

165. A shepherd had 17 sheep. All but nine died. How many was he left with?

- a) Nil b) 8
c) 9 d) 17

166. A man has some hens and cows. If the no of heads be 24 and the no of feet equal 60. then the numbers of hens will be

- a) 16 b) 17
c) 18 d) 19

167. A pineapple costs Rs. 7 each. A water-melon costs Rs.5 each. X spends Rs.38 on these fruits. The number of pineapples purchased is

- a) 2 b) 3
c) 4 d) Data inadequate

168. A bird shooter was asked how many birds he had in the bag. He replied that there were all sparrows but six, all pigeons but six, and all ducks but six. How many birds he had in the bag in all?

- a) 9 b) 18
c) 27 d) 36

169. How many days are there in x weeks x days?

- a) $8x$ b) $7x^2$
c) $14x$ d) 7

170. Find the odd man out. 7, 13, 19, 25, 29, 37, 43

- a) 19 b) 29
c) 25 d) 43

171. If 20 % of $a = b$, then b % of 20 is the same as

- a) None of these b) 10 % of a
c) 4 % of a d) 20 % of a

172. Interest obtained on a sum of Rs. 5000 for 3 years is Rs. 1500. Find the rate percent.

- a) 8 % b) 9 %
c) 10 % d) 11 %

173. An angle which is greater than 180° but less than 360° is called

- a) Acute angle

- b) Right angle
- c) Obtuse angle
- d) Reflex angle

174. If $a : b : c = 3 : 4 : 7$, then the ratio $(a + b + c) : c$ is equal to

- a) 2 : 1
- b) 14 : 3
- c) 7 : 2
- d) 1 : 2

175. Find the odd man out. 1, 3, 9, 12, 19, 29

- a) 12
- b) 9
- c) 1
- d) 3
