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

QUESTION BOOKLET   SERIES I

Subjects : General English, General Awareness & Aptitude, Mathematics

BOOKLET SERIAL NO.	106613	Marks : 300 Time : $2\frac{1}{2}$ hours

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

INSTRUCTIONS TO CANDIDATES

1. This booklet contains **150 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 Awareness & Aptitude : 50 questions,

   Part-C-Mathematics : 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 :-

   Ⓐ   Ⓑ   Ⓒ   Ⓓ

   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 :-

   Ⓐ   Ⓑ   ⬤   Ⓓ

   ### 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 be 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 carries 2 marks :

Directions : In each of the following questions, choose the alternative which can be substituted for the given group of words.

1. A man with prejudiced views against religion
a) Orthodox   b) Bigot
c) Fanatic   d) Profane

2. Dungeon entered by trap-door
a) Cellar   b) Ditch
c) Vault   d) Oubiette

3. One desirous of getting money
a) Avaricious   b) Voracious
c) Garrulous   d) Greedy

4. A funny imitation of a poem
a) Counterfeit   b) Sonnet
c) Caricature   d) Parody

5. A house for storing grains
a) Cellar   b) Store
c) Godown   d) Granary

6. A place where bricks are baked
a) Foundry   b) Mint
c) Cemetery   d) Kiln

7. To do away with a rule
a) Cancel   b) Repeal
c) Obliterate   d) Abrogate

8. A heavy unnatural slumber
a) Nap   b) Coma
c) Insomnia   d) Stupor

9. Walk in a vain, self-important way
a) Jog   b) Trek
c) Trudge   d) Strut

10. A song sung at a burial
a) Elegy   b) Ode
c) Dirge   d) Ballad

Directions : Choose the correct alternative to fill in the blank.

11. He had developed prejudice ___ the English
a) For   b) To
c) Against   d) Towards

12. Come and sit ___ me
a) Beside   b) Out
c) After   d) For

13. Your story is devoid ___ truth
a) Of   b) From
c) By   d) With

14. Work hard ___ you will fail
a) Otherwise   b) Or
c) That   d) Lest

15. The teacher was angry ___ me
a) Upon   b) To
c) Against   d) At

16. If you ___ ice in warm water, it soon melts.
a) Will place   b) Would place
c) Place   d) Placed

17. 'The house is on fire! Send ___ the fire brigade,' said the woman.
a) For   b) On
c) Out   d) In

18. ___ you wish to excel in life, you must learn English.
a) Since   b) Just
c) So   d) Or

19. Such public men ___ are corrupt should be exposed
a) Which   b) Who
c) As   d) What

20. He sets ___ a fixed amount of money every month for the rainy day.
a) In   b) Up
c) Aside   d) Out

Directions : Choose the word which is most nearly the SAME in meaning as the word given in capitals.

21. HUMBUG
a) Succeed
b) Judge
c) Proposal
d) Deceit

22. AVIARY
a) A weighing machine
b) A birdbath
c) An old measure of weight
d) A place for keeping birds

23. SORDID
a) Harmful
b) Dirty
c) Earthy
d) Blithe

24. DELIRIOUS
a) Amused
b) Excited
c) Happy
d) Content

25. RECUPERATE
a) Rehabilitate
b) Recover
c) Reimburse
d) Pre-empt

26. COLOSSAL
a) Famous
b) Vigorous
c) Energetic
d) Enormous

27. SUCCULENT
a) Fluid
b) Sucking
c) Juicy
d) Sweet

28. INSIDIOUS
a) Treacherous
b) Dormant
c) Inherent
d) Involving

29. INSIPID
a) Heavy
b) Wily
c) Sandy
d) Flat

30. INDIGENOUS
a) Similar
b) Cynical
c) Natural
d) Native

Directions : Choose the word which is most nearly the OPPOSITE in meaning to the word given in capitals.

31. TACITURN
a) Irrelevant
b) Garrulous
c) Reserved
d) Withdrawn

32. IMPLICATE
a) Absolve
b) Exonerate
c) Explicate
d) Liberate

33. FECUND
a) Barren
b) Solid
c) Unploughed
d) Hard

34. JUVENILE
a) Vilify
b) Child
c) Smart
d) Adult

35. CHIVALRY
a) Gallantry
b) Dastardly
c) Army
d) Defiance

36. OBSOLETE
a) Conducive
b) Rare
c) Useless
d) Recent

37. VILIFY
a) Commend
b) Pray
c) Admonish
d) Worship

38. COVERT
a) Lax
b) Pioneer
c) Overt
d) Subvert

39. MITIGATE
a) Stagnate
b) Suffer
c) Aggravate
d) Instigate

40. ANOMALY
a) Desperation
b) Requisition
c) Register
d) Regularity

Directions : Choose the correct meaning for the Idioms and phrases given below :

41. To cheer to the echo
a) Cheer at heart
b) To be excited
c) Decline
d) Cheer falsely

42. All agog
a) Everybody
b) At ready
c) Restless
d) Almighty

43. Rise like a phoenix
a) To resemble a Phoenician
b) To rise with a new life
c) To rise with anger
d) To get up with a start

44. Flog a dead horse
a) To do a vain thing
b) To try to take work from a weak horse

c) To beat a horse to death
d) To revive interest in an outdated subject

45. To eat someone's salt
a) Put off
b) Stop helping
c) To be one's guest
d) To have food with someone

46. Apple pie order
a) Person or things that one loves very dearly
b) A very neat and tidy condition
c) Very poor example
d) Very friendly

47. Lay off
a) Minimum
b) Stop using
c) Not to obey the law
d) Lay asleep

48. A dark horse
a) An unforeseen competitor
b) A black horse
c) A nightmare
d) An unknown person

49. To blaze a trail
a) To lead the way as a pioneer
b) To light a track
c) To set up a fire
d) To wear a blazer while running

50. Hush-money
a) Bribe for silence
b) End quarrel
c) Fall heavily
d) Bad money

PART - B -GENERAL AWARENESS & APTITUDE

Marks : 100

Each question carries 2 marks :

51. Jainism was founded by (Who is revered as First Tirthankara) -
a) Vardhamana Mahavira
b) Rishabhanatha
c) Parshvanatha
d) King Bharata

52. Garampani Sanctuary is located at
a) Amlarem, Meghalaya
b) Junagadh, Gujarat
c) Diphu, Assam
d) Kolashib, Mizoram

53. Which of the following states was annexed by the British under the pretext of mis-governance ?
a) Nagpur   b) Satara
c) Awadh   d) Jhansi

54. Political democracy is guaranteed to the Indian people by the
a) Independence of the Judiciary
b) Directive Principles of State Policy
c) Federal set-up in the Constitution
d) Fundamental Rights

55. Which one of the following rights was described by Dr. B.R. Ambedkar as the heart and soul of the Constitution ?
a) Right to Freedom of religion
b) Right to Property
c) Right to Equality
d) Right to Constitutional remedies

56. The article which empowers the President to declare a financial emergency is
a) Article 352   b) Article 356
c) Article 358   d) Article 360

57. Who among the following shall preside over a joint sitting of two houses of Parliament ?
a) President
b) Prime Minister
c) Chairman of the Rajya Sabha
d) Speaker of the Lok Sabha

58. An increase in which of the following would be most likely to increase long-run growth in developing countries ?
a) Tariffs on imported capital goods
b) Subsidies to business for purchases of capital goods
c) Unemployment compensations
d) Pension payments

59. Convertibility of the rupee implies -
a) Being able to convert rupee notes into gold
b) Allowing the value of the rupee to be fixed by market forces
c) Freely permitting the conversion of rupee to other major currencies and vice versa
d) Developing an International market for currencies in India

60. The income from the sale of machinery used in business is treated as
a) Income from business and profession
b) Short-term capital gain
c) Long-term capital gain
d) Income from other sources

61. Which of the following period is known as the period of stagnant population in India ?
a) 1901-1921   b) 1921-1951
c) 1951-1981   d) 1981-2011

62. Made from a variety of materials, such a carbon, which of the following apparatus obstructs the flow of electric current ?
a) Resistor   b) Capacitor
c) Commutator   d) Voltameter

63. The Earth is elliptical because of its
a) Revolution round the sun
b) Gravitational force
c) Centrifugal force of rotation
d) Inclination on its own axis

64. Tropical cyclone storms occurring in Phillipines, Japan and China seas are known as
a) Tornados   b) Thunderstorms
c) Typhoons   d) Hurricane

65. The term panplane refers to
a) A level surface formed by wind erosion

b) A plane formed by joining of flood-plains

c) A level surface formed by the fluvial cycle at the old age

d) A level plain formed by human intervention

66. Other than India and China, which one of the following groups of countries border Myanmar ?

a) Bangladesh, Thailand and Indonesia

b) Malaysia, Cambodia and Laos

c) Thailand, Vietnam and Malaysia

d) Thailand, Laos and Bangladesh

67. The best dairy country in Europe is

a) Denmark   b) Netherlands

c) Switzerland   d) Germany

68. Which of the following terms is used for the daily press or newspapers ?

a) Fourth Estate   b) Fourth World

c) Fourth Column   d) Fourth Mandate

69. Temporary cessation or suspension of hostilities by mutual consent in order to start a peace negotiation is called

a) Cease fire   b) Armistice

c) Solstitium   d) Sally

70. Speculator on the stock market who believes that the prices of certain shares that he/she owns will soon fall is called

a) Pig   b) Bull

c) Bear   d) Duck

71. The term 'Hot Money' is used to describe

a) The money which is stolen

b) The money which is spent as soon as it is earned

c) The money which is hoarded

d) The money that flows into a country to take advantage of high rates of interest there

72. Which of the following symbols is used to denote family planning in India ?

a) Red Triangle   b) Blue Triangle

c) Red Square   d) Blue Square

73. Communist party was founded on the ideologies of

a) Stalin   b) Karl Marx

c) Lenin   d) Tolstoy

74. World Diabetes Day observed on 14th November every year, fall on the birth anniversary of

a) Lala Lajpat Rai

b) Indira Gandhi

c) Sardar Patel

d) Jawaharlal Nehru

75. Olympic games originated in

a) Olympia   b) Athens

c) Rome   d) Carthage

76. The correct Olympic motto is

a) Citius - Altius - Fortius

b) Altius - Fortius - Citius

c) Fortius - Citius - Altius

d) Citius - Fortius - Altius

77. The first book by an Indian writer to receive the Booker Prize was

a) Last Orders

b) The God of Small Things

c) The Inheritance of Loss

d) The White Tiger

78. Alexander the Great was taught by

a) Socrates   b) Aristotle

c) Plato   d) Xenophon

79. Along with Americas, what were the two places that Columbus discovered in 1492 ?

a) Bahamas and Jamaica

b) Jamaica and Trinidad

c) Jamaica and Puerto Rico

d) Trinidad and Puerto Rico

80. Who among the following is also called 'Lady with a lamp' ?

a) Annie Besant

b) Elizabeth Blackwell

c) Florence Nightingale

d) Mary Baker Eddy

81. In which temperature the density of water is maximum ?

a) $0^\circ C$ b) $4^\circ C$

c) $100^\circ C$ d) $273^\circ C$

82. The colours of stars depend on

a) Its temperature

b) Its distance from the earth

c) Its size

d) Atmospheric pressure

83. What is the phenomenon of 'Raman Effect'?
a) Scattered UV rays
b) Scattered molecules
c) Scattered atoms
d) Scattered light rays

84. Which of the following is true about Speed-ometer of a car ?
a) Speedometer shows the average speed of a car
b) Speedometer shows the instantaneous speed of a car
c) Speedometer shows the distance travelled by a car
d) Speedometer shows the acceleration of a car

85. The runs scored by Rahul and Virat are in the ratio of 13:7. If Virat scored 48 runs less than Rahul, then find their individual runs.
a) Rahul = 104 ; Virat = 56
b) Rahul = 98 ; Virat = 50
c) Rahul = 48 ; Virat = 0
d) Rahul = 201 ; Virat = 153

86. If the selling price of 10 pencils is the cost price of 14 pencils. Find the profit percentage.
a) 25%   b) 15%
c) 40%   d) 33.3%

87. If Rs.4,000.00 becomes Rs.4,560.00 in 2 years time, what will Rs.5000.00 become at the end of 4 years at the same rate of simple interest ?
a) Rs.6,000.00   b) Rs.7,500.00
c) Rs.6,200.00   d) Rs.6,400.00

88. Three of the following four are alike in a particular pattern and form a group. Find the odd one.
a) SORE   b) MEJNIAS
c) NORGAE   d) TOLSU

89. Wisdom teeth are
a) Last molars   b) Last premolars
c) Incisors   d) Canines

90. In a walking race, A beats B by 250m in a kilometre race. What is the speed of B, if the speed of A is 8m/sec ?
a) 10 m/sec   b) 6 m/sec
c) 12 m/sec   d) 7 m/sec

91. A boy walks 7 km towards the North, then turns to his right to travel 13 kms, then he turns to his left and travels 11 km. What is the vertical distance between the starting point and end point (in km)?
a) 11 km   b) 18 km
c) 21 km   d) 13 km

92. Evaluate -

$'X': \frac{1}{4}$ of $\frac{1}{13}$ of $\frac{26}{9}$ of $342 + 'X' = 15^2 - 9^2$
a) 115   b) 125
c) 130   d) 104

93. The student strength of a school increased by 10% this year. By what percent was the strength less last year when compared to this year ?
a) 10%   b) 11%

c) $9\frac{1}{11}$%   d) $10\frac{1}{3}$%

94. Arrange the following words according to dictionary.
i. Fenestration
ii. Feather
iii. Feed head
iv. Feature
v. Feminine
a) 4, 2, 3, 5, 1   b) 2, 4, 1, 5, 3
c) 2, 4, 3, 5, 1   d) 4, 2, 3, 1, 5

95. If the following five words are arranged in alphabetical order, then which word will come in the middle ?
a) Electric   b) Elector
c) Electrode   d) Elect

96. When a number is divided by 121, the remainder is 25. If the same number is divided by 11, then the remainder will be
a) 1   b) 2
c) 4   d) 3

97. In a class, there are Z students. Out of them, X are boys. What part of the class is composed of girls ?

a) $\frac{X}{Z}$ b) $\frac{Z}{X}$

c) $1 - \frac{X}{Z}$ d) $\frac{X}{Z} - 1$

98. Walking at a speed of 5 km/h, a man reaches his office 6 minutes late. Walking at 6 km/h, he reaches there 2 minutes early. The distance of his office is

a) 2 km　　　　　b) 3 km

c) 4 km　　　　　d) 3.5 km

99. The ratio of working efficiencies of A and B is 4:5. If A alone completes the work in 15 days, then in how many days can B alone complete the work ?

a) 12 days　　　　b) 15 days

c) 16 days　　　　d) 20 days

100. The average of five numbers is 27. If one number is excluded, the average becomes 25. The excluded number is

a) 25　　　　　b) 27

c) 30　　　　　d) 35

Each question carries 2 marks :

101. Alex goes 75 km West from point A to reach point B; then he moves 50 km East to reach point C. Find the distance between A and C.
a) 125 km West
b) 125 km East
c) 25 km West
d) 25 km East

102. A heating process in an industrial plant requires the temperature to be increased from 20°C by 10°C every hour. What will be the temperature after 12 hours ?
a) 120° C
b) 140° C
c) 200° C
d) 240° C

103. In an examination, 5 marks are given for a correct answer and 2 marks are deducted for a wrong answer. If Mary answered 15 questions correctly and 10 questions incorrectly, what will be her total score ?
a) 55
b) 60
c) 65
d) 75

104. What is the value of the mathematical expression : $3 \times 6 - \left[9 - \left\{ 21 + \dfrac{42}{6-7-4} \right\} \right]$
a) -38
b) 38
c) 44
d) -44

105. Mr.Smith is interested in deep sea scuba diving. He is able to dive 10 feet in 1 minute. While coming up his speed is 20 feet per minute. How much time will it take him to just touch the seabed at 200 feet below sea level and come back to the top ?
a) 90 minutes
b) 60 minutes
c) 45 minutes
d) 30 minutes

106. Emily feeds stray dogs near her house. She has Rs.60 to buy biscuits for the dogs. Milo and Buddy are the two dogs she wants to buy biscuits for. Milo is ill and needs twice the biscuits Buddy does. How much money does Emily spend on Milo to buy biscuits ?
a) Rs.40
b) Rs.20
c) Rs.50
d) Rs.25

107. If 60 is the LCM of 15 and 20, then the HCF of 15 and 20 is

a) 20
b) 15
c) 10
d) 5

108. The greatest number which divides 33, 93 and 123 leaving 3 as remainder in each case is
a) 3
b) 10
c) 30
d) 33

109. Which of the following fractions are in ascending order ?

a) $\dfrac{2}{5}, \dfrac{2}{3}, \dfrac{4}{7}, \dfrac{1}{6}$
b) $\dfrac{1}{6}, \dfrac{2}{5}, \dfrac{2}{3}, \dfrac{4}{7}$

c) $\dfrac{1}{6}, \dfrac{2}{5}, \dfrac{4}{7}, \dfrac{2}{3}$
d) $\dfrac{2}{3}, \dfrac{2}{5}, \dfrac{1}{6}, \dfrac{4}{7}$

110. $4\dfrac{1}{10} - 3\dfrac{1}{12} + 7\dfrac{1}{8}$ is equal to

a) $\dfrac{120}{997}$
b) $\dfrac{977}{120}$

c) $-\dfrac{120}{997}$
d) $-\dfrac{997}{120}$

111. Mr.Francis wants to divide his entire wealth of Rs.50 lakh among his wife, a daughter and three sons. He wants to give $\dfrac{1}{2}$ of his wealth to his wife and $\dfrac{2}{5}$ of the remaining amount to his daughter. The remaining amount has to be distributed equally among his three sons. How much money will each son get ?
a) Rs.5 lakh
b) Rs.4 lakh
c) Rs.3 lakh
d) Rs.2 lakh

112. Joseph's motorbike runs $36\dfrac{1}{4}$ km on 1 litre of petrol. How much distance can he cover with $3\dfrac{2}{3}$ litres of petrol ?

a) $132\dfrac{11}{12}$ km
b) $108\dfrac{1}{6}$ km

c) $123\dfrac{11}{12}$ km   d) $180\dfrac{1}{6}$ km

113. Sam has some marbles. Out of these marbles, $\dfrac{1}{3}$ marbles are red, $\dfrac{1}{6}$ marbles are blue and the rest of the marbles are black. If the number of black marbles is 30, then the total number of marbles he has is
a) 90   b) 60
c) 30   d) 18

114. The product of two decimals is 42.591744. If one of the decimals is 3.456, then the value of the other is
a) 12.234   b) 12.243
c) 12.324   d) 12.342

115. If the side of an octagon is $2\dfrac{3}{8}$ cm, what is the perimeter of the octagon?
a) 21 cm   b) 19 cm
c) $16\dfrac{1}{8}$ cm   d) $16\dfrac{3}{8}$ cm

116. A florist has 900 flowers. Out of this, $\dfrac{1}{3}$ are roses but $\dfrac{1}{6}$ of the roses lost their fragrance and cannot be sold. If he sells the remaining roses at Rs. $24\dfrac{3}{4}$ each, how much money does he make by selling the roses ?
a) Rs.6187.50   b) Rs.6000
c) Rs.5435.50   d) Rs.5500

117. A car can run for 18.5 km on 1 litre of diesel. How many litres of diesel will be required for Samuel's monthly travel to work if his office is 20.25 km away from his home and he works for 22 days in a month ?
a) 38.75 litres   b) 24.081 litres
c) 48.162 litres   d) 50 litres

118. Ravi wants to start a call centre in a rural area. If he invests a certain amount, the government will provide $\dfrac{2}{5}$ of that amount as grant to boost rural employment. If he invests Rs.500000,

how much money will be available in total to start the call centre ?
a) Rs.500000   b) Rs.700000
c) Rs.600000   d) Rs.800000

119. Three friends A, B and C start an IT business together. A invests $\dfrac{1}{4}$ of the capital and B invests $\dfrac{2}{5}$ of the capital. The rest was invested by C. What part of the capital did C invested ?

a) $\dfrac{9}{20}$ part   b) $\dfrac{1}{20}$ part

c) $\dfrac{3}{20}$ part   d) $\dfrac{7}{20}$ part

120. If $2^4 + 4^2 = 6n$, then the value of n is

a) 0   b) $\dfrac{12}{5}$

c) $\dfrac{16}{3}$ d) 1

121. If $x : y = 7 : 12$ and $y : z = 15 : 28$, then what is $x : z$?
a) 5 : 16   b) 5 : 18
c) 16 : 5   d) 18 : 5

122. What is the ratio of 2 days and 18 hours ?
a) 3 : 8   b) 8 : 3
c) 5 : 3   d) 3 : 5

123. The ratio of the area of a square of side 4 cm to the area of a rectangle of sides 6 cm and 3 cm is
a) 15 : 24   b) 16 : 15
c) 9 : 8   d) 8 : 9

124. The ratio of the monthly income of Jeff and his brother Brian is the same as the ratio of their ages. Jeff earns Rs.200000 and Brian earns Rs.180000 per month. Brian is 45 years old. How old is Jeff ?
a) 40 years   b) 47 years
c) 50 years   d) 55 years

125. A and B together can do a piece of work in 6 hours. A alone finishes it in 8 hours. How much time will B take to finish the same task alone ?
a) 24 hours   b) 20 hours

c) 18 hours   d) 15 hours

126. If 75 kg of chicken is required daily in a kennel to feed 300 dogs, then what additional quantity of chicken will be required if 50 more dogs arrive ?
a) 12.5 kg   b) 15 kg
c) 17.5 kg   d) 20 kg

127. If 20 carpenters can make 40 chairs in 60 days, in how many days can 10 carpenters make 10 chairs ?
a) 20 days   b) 30 days
c) 40 days   d) 50 days

128. A 125 m long train crosses a river bridge of length 100 m in 15 seconds. What is the speed of the train in km/hr ?
a) 54 km/hr   b) 45 km/hr
c) 30 km/hr   d) 15 km/hr

129. The average height of football players in a 15 man team is 180 cm. If another player joins them the average becomes 182 cm. What is the height of the new player ?
a) 180 cm   b) 182 cm
c) 200 cm   d) 212 cm

130. In a theatre, 35% seats are gold-class, 50% are silver class and rest are normal. If the capacity of the theatre is 800, how many seats are normal ?
a) 100   b) 140
c) 120   d) 160

131. If the simple interest at 10% for 5 years is Rs.5000, then what will be the principal ?
a) Rs.9000   b) Rs.10000
c) Rs.12000   d) Rs.15000

132. The compound interest on Rs.5000 for 2 years at 10% per annum compounded annually is
a) Rs.980   b) Rs.6050
c) Rs.3025   d) Rs.1050

133. After selling a watch for Rs.4500, a person earns a profit of Rs.500. What will be the profit percentage ?

a) 12.5%   b) $11\frac{1}{9}\%$

c) 10%   d) 5%

134. A shopkeeper bought 150 handicraft items for Rs.5000 each. He sold 100 of these items at Rs.5500 each and 50 items at Rs.4000 each. What was his profit or loss percentage ?
a) 5% profit
b) 5% loss
c) Neither profit nor loss
d) None of these

135. Roger wants a start a small business. He can invest Rs.40 lakh, in which 40% of the capital is required for infrastructure and rent. The rest can be spent on hiring people. How many people can Roger hire if he has to pay Rs.50000 per employee ?
a) 48   b) 50
c) 52   d) 66

136. The length and breadth of a rectangle are in the ratio 5 : 4. If its length is 90 cm, then its perimeter is
a) 72 cm   b) 324 cm
c) 167 cm   d) 180 cm

137. The government wants to make night shelters with beds for poor homeless people during winter in the city. The city has 5 districts, each district has 6 shelters and each shelter has 50 beds. The cost of a bed is Rs.2000. What is the total budget required for this purpose ?
a) Rs.10 lakh   b) Rs.20 lakh
c) Rs.30 lakh   d) Rs.50 lakh

138. A theatre hosts a play on Friday, Saturday and Sunday. On Sunday it is houseful, on Saturday, the attendance is half of Sunday's and on Friday the attendance is half of Saturday's. If the price per ticket is Rs.500 and the total revenue for all three days is Rs.3.5 lakh, what is the maximum capacity of the theatre ?
a) 350   b) 400
c) 450   d) 500

139. Divide 150 into two parts such that $\frac{1}{2}$ of one part is equal to $\frac{1}{4}$ of the other part. The larger part is
a) 120   b) 50
c) 110   d) 100

140. Joseph is 6 years older than his sister

Christine. 5 years back, $\frac{1}{4}$ of Joseph's age was

$\frac{1}{3}$ of Christine's age. The present age of Joseph
is
a) 23 years   b) 29 years
c) 24 years   d) 30 years

141. Ajay was asked to multiply a number by 10. Instead he divided the number by 5. If the difference of his answer and the desired result is 98, what is the number ?
a) 30   b) 10
c) 40   d) 20

142. Rudy has some Re 1 coins and 50 paise coins in his piggy bank. The total amount in the piggy bank is Rs.50. If the number of 50 paise coins are half of the number of Re 1 coins, then find the number of 50 paise coins.
a) 30   b) 15
c) 40   d) 20

143. An angle is 20^0 less than its complementary angle. What are the angles ?
a) $45^0, 65^0$ b) $40^0, 50^0$
c) $55^0, 35^0$ d) $50^0, 30^0$

144. Which of the following measures of line segments can form a triangle ?
a) 4cm, 4cm, 9cm   b) 5cm, 3cm, 9cm
c) 4cm, 12cm, 13cm   d) 5cm, 12cm, 19cm

145. The heights of the two buildings A and B are 15m and 10m respectively. If the distance between the top of the building is 13m, then the distance between the bases of the two buildings is
a) 13m   b) 12m
c) 25m   d) 5m

146. If the diagonals of a rhombus are 80cm and 18cm, find its perimeter.
a) 62cm   b) 98cm
c) 82cm   d) 164cm

147. A portrait is fixed on a rectangular frame. The length and breadth of the frame are 40cm and 25cm respectively. The frame border is 3cm wide. Find the area of the portrait.
a) 1000 sqcm   b) 106 sqcm
c) 212 sqcm   d) 646 sqcm

148. If the outer and inner diameters of a hollow ring are 7 cm and 14 cm respectively, then what is the surface area of the ring in cm²?
a) 452   b) 462
c) 472   d) 442

149. If the area of a parallelogram is 72 m² and the distance between parallel sides is 8m, then what is the length of one of the parallel side of the parallelogram ?
a) 6m   b) 9m
c) 12m   d) 14m

150. What is the median of the first 25 natural numbers ?
a) 11   b) 12
c) 13   d) 14

****