

Booklet Serial No. **21019**

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

SERIES : III

QUESTION BOOKLET

Subjects : General English, General Knowledge & Aptitude and Arithmetic

Full Marks : 300

Time Allowed : 2½ 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 Ballpoint Pen in the following three Parts :

Part—A : General English : 50 questions

Part—B : General Knowledge : 50 questions

&

Aptitude : 25 questions

Part—C : Arithmetic : 25 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. Answer must be shown by completely blackening the corresponding circle in the Answer Sheet against the relevant question number by Black Ballpoint Pen. OMR Answer Sheet without marking Series shall not be evaluated.

Example :

Suppose 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 Ballpoint Pen only as below :

(A) (B) ● (D)

The example shown above 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 carries 2 marks

Section—I

Directions (Q. Nos. 1-5) : Read the following passage and answer the questions given below following the instruction.

Dad had a favourite carpet snake that he called Old Tom. Now Old Tom was big and had taken up residence in a large burnt-out stump near the packing shed. I could climb onto a fallen banana stool and peer into the stump while Dad reached in and fed the snake.

When we unloaded the banana bunches from the jeep, field mice often scurried out, and sometimes Dad would stand close by and endeavour to stun the mice with the back of his cane knife. Triumphant, he could then take his offering to Old Tom and watch with great satisfaction as the snake swallowed the mouse whole.

After several months, Dad and Old Tom got to know each other quite well. So well, in fact, that he could tentatively stroke Old Tom, who seemed to like it. Dad proudly showed Old Tom to passing banana growers and they marvelled at the size of the snake and Dad's ability to stroke it. Dad, of course, did not miss the opportunity to remark on the number of mice Old Tom ate, which raised appropriate envy in the growers and made Dad's day.

Choose the appropriate meaning of the words given below in the specific context of the passage :

1. Residence

- (A) Home (B) Structure
(C) Abode (D) Boundary

2. Endeavour

- (A) To exert
(B) To effect
(C) To attempt
(D) Trial

3. Scurried

- (A) Trot
(B) Sprint
(C) Scampered
(D) Brisk pace

4. Stun

- (A) Knock unconscious
(B) Amaze
(C) Dangle
(D) Shock

5. Tentatively

- (A) Hesitant
(B) Uncertainly
(C) Trial
(D) Not agreed

Section—II

Directions (Q. Nos. 6–20) : Choose the correct meaning for the phrases given below.

6. To make clean breast of
(A) To gain prominence
(B) To praise oneself
(C) To confess without reserve
(D) To destroy before it blooms
7. To keep one's temper
(A) To become hungry
(B) To be in good mood
(C) To preserve energy
(D) To be aloof
8. To catch a tartar
(A) To trap a criminal
(B) To catch a dangerous person
(C) To meet with disaster
(D) None of the above
9. To drive home
(A) To find one's roots
(B) To return to rest
(C) To emphasize
(D) Back to original position
10. To have an axe to grind
(A) A private end to serve
(B) To fail to arouse interest
(C) To have no result
(D) To work for both sides
11. To cry wolf
(A) To listen eagerly
(B) To give false alarm
(C) To turn pale
(D) To starve
12. To end in smoke
(A) To understand completely
(B) To ruin oneself
(C) To overcome someone
(D) To expect appreciation
13. To be above board
(A) To have a good height
(B) To be honest in any business deal
(C) To have no debts
(D) To be beautiful
14. To put one's hand to the plough
(A) To take up farming
(B) To take a difficult task
(C) To take interest in technical work
(D) Gardener
15. To pick holes
(A) To find some reason to quarrel
(B) To destroy something
(C) To criticize someone
(D) To cut something

16. To leave someone in the lurch
(A) To compromise with someone
(B) Constant source of annoyance
(C) To comfort
(D) To desert someone in his difficulties

17. To play second fiddle
(A) To be happy, cheerful and healthy
(B) To support another person
(C) To reduce importance of one's senior
(D) A substitute

18. To beg the question
(A) To refer to
(B) To take for granted
(C) To raise objections
(D) To be discussed

19. A black sheep
(A) An unlucky person
(B) A lucky person
(C) An ugly person
(D) None of the above

20. A man of straw
(A) A man of no substance
(B) A very active person
(C) A worthy fellow
(D) An unreasonable man

Section—III

Directions (Q. Nos. 21–40) : Choose the correct option to fill in the blanks.

21. I have always _____ play games well.

- (A) could
(B) been able to
(C) able to
(D) can

22. He has always _____ to do what he wanted.

- (A) could
(B) been allowed
(C) allow
(D) given

23. One cannot help but _____ his courage.

- (A) to admire
(B) admire
(C) adore
(D) to adore

24. _____ do you want a holiday?

- (A) How much
(B) How
(C) How far
(D) How many

25. I will have tea _____ coffee.

- (A) instead
- (B) instead of
- (C) without
- (D) with

26. They often go fishing _____ going to school.

- (A) instead
- (B) without
- (C) instead of
- (D) after

27. Stella often goes to the movies _____ telling her parents.

- (A) instead
- (B) instead of
- (C) without
- (D) before

28. I am interested _____ what she did with that money.

- (A) to find out
- (B) in finding out
- (C) knowing
- (D) finding

29. At no time _____ aware of what was happening.

- (A) was he
- (B) he was
- (C) has he
- (D) is he

30. Only then _____ understand what he meant.

- (A) I did
- (B) did I
- (C) had I
- (D) I had

31. I wondered what time _____.

- (A) was the show starting
- (B) was starting the show
- (C) the show was starting
- (D) show will start

32. I tried _____ the doctor but my hands were numb.

- (A) to call
- (B) calling
- (C) phone
- (D) to called

33. Trinity College was _____ by Sir Thomas Pope in 1555.
- (A) founded
(B) begin
(C) starting
(D) organized
34. There is a recipe that would have been _____ to all Britons living and working in the imperial king.
- (A) familiar
(B) recognized
(C) renowned
(D) noted
35. English has without a _____ become the second language of Europe and the world.
- (A) question
(B) doubt
(C) problem
(D) thought
36. Lack of refrigeration, a hot and humid climate all _____ to make cooking an even more difficult task.
- (A) colluded
(B) accessory
(C) conspire
(D) plan
37. He is a famous architect _____ designs won an award last year.
- (A) that
(B) which
(C) whose
(D) who
38. No one was allowed to use any written materials _____ the exams.
- (A) on
(B) by
(C) over
(D) during
39. There wasn't enough paper in the printer, _____?
- (A) are there
(B) is there
(C) was there
(D) were there
40. I intend to _____ to my boss about my salary.
- (A) tell
(B) inform
(C) speak
(D) talk

Section—IV

Directions (Q. Nos. 41-50) : Out of the following choose the correct sentences.

- 41.** 1. He had leave of four days.
2. The harassed wife shot herself with a gun after bidding her husband the last goodbye.
3. He came in very quickly so that he might avoid waking his father.

- (A) 1 and 2
(B) 2 and 3
(C) 1 and 3
(D) 1, 2 and 3

- 42.** 1. It was so big a box that I could not lift it.
2. He got an employment there.
3. Mankind should love nature.

- (A) 1 and 2
(B) 2 and 3
(C) 1 and 3
(D) 1, 2 and 3

- 43.** 1. With a frown on his face, the teacher asked the student to leave the room.
2. Many villagers cannot write his name.
3. People often spend their leisure in cinemas.

- (A) 1 and 2
(B) 2 and 3
(C) 1 and 3
(D) 1, 2 and 3

- 44.** 1. He takes no care over his work.
2. I went to the bank yesterday to collect the passbook.
3. John said can he go home.

- (A) 1 and 2
(B) 2 and 3
(C) 1 and 3
(D) 1, 2 and 3

- 45.** 1. I would not hear you.
2. Nobody will want to play in his team if he does not treat people kindly.
3. It is far too hard an essay for me to attempt.

- (A) 1 and 2
(B) 2 and 3
(C) 1 and 3
(D) 1, 2 and 3

46. 1. Many works must close owing to lack of fuel, if the strike lasts till weekend.

2. I was second in my class.

3. Travelling from Karjat to Khandala, one would find the line most beautifully laid.

(A) 1 and 2

(B) 2 and 3

(C) 1 and 3

(D) 1, 2 and 3

47. 1. As the train which is my usual was missing I had to travel on the next.

2. I don't know whether he will come or not.

3. I missed the train which I usually catch and had to travel by the next.

(A) 1 and 2

(B) 2 and 3

(C) 1 and 3

(D) 1, 2 and 3

48. 1. He carried little Bhim and I on his shoulders.

2. All that he said had no effect on me.

3. Those who did this should be punished.

(A) 1 and 2

(B) 2 and 3

(C) 1 and 3

(D) 1, 2 and 3

49. 1. Everyone of the boys loves to ride.

2. Much pains has been taken.

3. One should not waste one's time.

(A) 1 and 2

(B) 2 and 3

(C) 1 and 3

(D) 1, 2 and 3

50. 1. Our followers are but a handful.

2. Neither he nor I was there.

3. Many a glorious deeds were done.

(A) 1 and 2

(B) 2 and 3

(C) 1 and 3

(D) 1, 2 and 3

PART—B : GENERAL KNOWLEDGE

(Marks : 100)

Each question carries **2** marks

- 51.** The electric lamp was invented by
- (A) Ford
 - (B) Marconi
 - (C) Edison
 - (D) None of them
- 52.** Who invented X-ray?
- (A) Rutherford
 - (B) Roentgen
 - (C) Einstein
 - (D) Baird
- 53.** Lata Mangeshkar Award is given by Madhya Pradesh Government in the field of
- (A) music
 - (B) cinema
 - (C) drama
 - (D) dance
- 54.** How many Oscar Awards did the film, *Slumdog Millionaire* win?
- (A) 7
 - (B) 8
 - (C) 5
 - (D) 3
- 55.** 'Global 500' Awards are given for the achievements in
- (A) population control
 - (B) campaign against terrorism
 - (C) protection of environment
 - (D) campaign against drugs
- 56.** What is the maximum duration of playing a football match?
- (A) 60 minutes
 - (B) 90 minutes
 - (C) 80 minutes
 - (D) 70 minutes

57. 'Subroto Cup' is associated with which of the following games?

- (A) Hockey
- (B) Football
- (C) Basketball
- (D) Cricket

58. How many players participate in a volleyball team?

- (A) 6
- (B) 7
- (C) 8
- (D) 9

59. The Olympic Games are held in every

- (A) two years
- (B) four years
- (C) five years
- (D) six years

60. Who is popularly known as the 'Nightingale of India'?

- (A) Sarojini Naidu
- (B) M. S. Subbulakshmi
- (C) Mahadevi Verma
- (D) Lata Mangeshkar

61. The currency of Japan is called

- (A) Yen
- (B) Dollar
- (C) Pound
- (D) Lira

62. Who said, "Fools rush in where angels fear to tread"?

- (A) *The Bible*
- (B) John Milton
- (C) Alexander Pope
- (D) Dr. Samuel Johnson

63. 'Bhogali Bihu' is a festival of
- (A) Assam
 - (B) Odisha
 - (C) Gujarat
 - (D) Rajasthan
64. The abbreviation IGNOU stands for
- (A) Indian Government's Nuclear Option Ultimatum
 - (B) Indira Gandhi National Open University
 - (C) Inter-Governmental and Non-Official Understandings
 - (D) None of the above
65. The capital of Mizoram is
- (A) Imphal
 - (B) Shillong
 - (C) Kohima
 - (D) Aizawl
66. The headquarters of WHO is in
- (A) Paris
 - (B) Geneva
 - (C) Washington, DC
 - (D) Rome
67. In November 2013, Russia signed military deals with
- (A) China
 - (B) India
 - (C) Vietnam
 - (D) Syria
68. Which among the following countries has banned kid beauty pageants?
- (A) India
 - (B) France
 - (C) Germany
 - (D) Iran
69. Which among the following was the highest producer of crude steel in 2016?
- (A) Bangladesh
 - (B) Africa
 - (C) Pakistan
 - (D) None of the above
70. Who said, "Man is a political animal"?
- (A) Socrates
 - (B) Plato
 - (C) Aristotle
 - (D) Dante

71. The main occupation of the people of the Indus Valley Civilization was

- (A) agriculture
- (B) cattle rearing
- (C) hunting
- (D) trade

72. The period when men used both stone and copper tools is known as the

- (A) Monolithic Age
- (B) Chalcolithic Age
- (C) Neolithic Age
- (D) Metal Age

73. Mahavira was born at

- (A) Pataliputra
- (B) Shravasti
- (C) Rajagriha
- (D) Vaishali

74. Which colour was commonly used in Harappan pottery?

- (A) Blue
- (B) Red
- (C) Blue-green
- (D) Buff

75. In early ancient India, the largest urban centre was

- (A) Pataliputra
- (B) Taxila
- (C) Kaushambi
- (D) Kanauj

76. Kanishka's capital was at

- (A) Amravati
- (B) Kanauj
- (C) Mathura
- (D) Peshawar

77. Delhi Sultanate was a
- (A) democracy
 - (B) bureaucracy
 - (C) theocracy
 - (D) military State
78. The Bhakti Movement was first organized by
- (A) Ramanuja
 - (B) Kabir
 - (C) Ramananda
 - (D) Nanak
79. The design of the National Flag was adopted by the Constituent Assembly of India in
- (A) July, 1948
 - (B) July, 1950
 - (C) July, 1947
 - (D) August, 1947
80. India became a sovereign, democratic republic on
- (A) August 15, 1947
 - (B) January 30, 1948
 - (C) January 26, 1950
 - (D) November 26, 1929
81. Which Article of the Indian Constitution abolishes 'untouchability'?
- (A) 14
 - (B) 15
 - (C) 16
 - (D) 17
82. The Indian Constitution does not follow the model of the Constitution of
- (A) UK
 - (B) USA
 - (C) USSR
 - (D) Ireland
83. The Preamble to our Constitution includes all, *except*
- (A) adult franchise
 - (B) equality of status
 - (C) fraternity
 - (D) justice
84. Right to Constitutional Remedies comes under
- (A) fundamental rights
 - (B) legal rights
 - (C) constitutional rights
 - (D) natural rights

85. What is the minimum permissible age for employment in any factory or mine?
- (A) 12 years
(B) 14 years
(C) 16 years
(D) 18 years
86. Who is the highest law officer of a State?
- (A) Attorney General
(B) Advocate General
(C) Solicitor General
(D) Secretary General, Law Department
87. India has a
- (A) socialistic economy
(B) Gandhian economy
(C) mixed economy
(D) free economy
88. The type of unemployment mostly found in India can be characterized as
- (A) structural
(B) frictional
(C) cyclical
(D) disguised
89. Modern economy is one of
- (A) open economies
(B) cash economies
(C) credit economies
(D) planned economies
90. Which of the following is not a direct tax?
- (A) Wealth Tax
(B) Sales Tax
(C) Income Tax
(D) Estate Duty
91. The largest public sector bank in India is the
- (A) Central Bank
(B) State Bank of India
(C) Punjab National Bank
(D) Indian Overseas Bank
92. The Reserve Bank of India was set up in
- (A) 1935
(B) 1949
(C) 1951
(D) 1955

93. A sudden fall in the barometric reading indicates

- (A) rain
- (B) storm
- (C) fine weather
- (D) extreme cold

94. Cyclonic rainfall largely occurs in

- (A) Egypt
- (B) India
- (C) UK
- (D) Mexico

95. Grit is another name for

- (A) shale
- (B) sandstone
- (C) granite
- (D) breccia

96. Coal is an example of

- (A) stone
- (B) igneous rock
- (C) metamorphic rock
- (D) sedimentary rock

97. Which is the largest sea in the world?

- (A) Caspian Sea
- (B) South China Sea
- (C) Mediterranean Sea
- (D) North Sea

98. Calcium content is maximum in

- (A) wheat
- (B) maize
- (C) bajra
- (D) sorghum

99. Cow milk is a rich source of

- (A) vitamin A
- (B) vitamin B
- (C) vitamin C
- (D) vitamin D

100. Jaundice affects the

- (A) intestine
- (B) liver
- (C) stomach
- (D) pancreas

APTITUDE

(Marks : 50)

Each question carries 2 marks

101. As 'Author' is related to 'Writing', similarly 'Thief' is related to
- (A) Night
 - (B) Feel
 - (C) Steal
 - (D) Wander
102. As 'Flying' is related to 'Parrot', similarly 'Creeping' is related to
- (A) Snake
 - (B) Rabbit
 - (C) Fish
 - (D) Cow
103. As 'Needle' is related to 'Thread', similarly 'Ink' is related to
- (A) Word
 - (B) Write
 - (C) Cap
 - (D) Pen
104. As 'Bell' is related to 'Sound', similarly 'Lamp' is related to
- (A) Flame
 - (B) Light
 - (C) Wick
 - (D) Oil
105. Radha says, "Rajeev's grandfather is the only son of my father." How is Radha related to Rajeev?
- (A) Daughter
 - (B) Sister
 - (C) Niece
 - (D) Grandmother
106. Introducing a man, a woman says, "He is the only son of my mother's mother." How is the man related to the woman?
- (A) Uncle
 - (B) Father
 - (C) Maternal uncle
 - (D) None of the above
107. Pointing to Kalpana, Arjun says, "She is the only daughter of my father-in-law." How is Kalpana related to Arjun?
- (A) Daughter
 - (B) Niece
 - (C) Wife
 - (D) Daughter-in-law
108. Pointing to a man, Rita says, "He is the only son of my father's father." How is Rita related to the man?
- (A) Mother
 - (B) Granddaughter
 - (C) Niece
 - (D) None of the above

109. A lady pointing to a woman in a photograph says, "She is the only daughter of my father-in-law." How is the woman related to the lady?
- (A) Mother
(B) Sister
(C) Friend
(D) None of the above
110. If '+' means '÷', '÷' means '-', '-' means '×' and '×' means '+', then $64 + 8 \div 6 - 4 \times 2 = ?$
- (A) 34 (B) 16
(C) -14 (D) 24
111. If '+' means '-', '-' means '×', '×' means '÷' and '÷' means '+', then $48 \times 4 \div 7 + 8 - 2 = ?$
- (A) 3 (B) -5
(C) 35 (D) 16
112. If '+' means '÷', '÷' means '-', '-' means '×' and '×' means '+', then $12 + 2 \times 9 \div 4 = ?$
- (A) 9 (B) 11
(C) 4 (D) 15
113. If '+' means '-', '-' means '×', '×' means '+' and '×' means '÷', then $25 \times 5 \div 8 - 4 + 7 = ?$
- (A) 44 (B) 37
(C) 7 (D) 30
114. If '+' means '×', '-' means '÷', '×' means '-' and '÷' means '+', then $2 + 15 \div 15 - 3 \times 8 = ?$
- (A) 43 (B) 27
(C) 35 (D) 28
115. What will be the next number in the following series of numbers?
1, 3, 7, 15, ...
- (A) 31 (B) 27
(C) 29 (D) 36
116. What will be the next letter in the following series of letters?
A, D, G, J, ...
- (A) L (B) M
(C) N (D) K
117. Two similar triangles have
- (A) equal sides
(B) equal areas
(C) equal angles
(D) None of the above
118. A man bought an article for ₹ 25 and sells it for ₹ 30. His profit is
- (A) 23% (B) 20%
(C) 18% (D) 16%
119. The three angles of a triangle are in the ratio of 1 : 2 : 3. The largest angle is of
- (A) 30° (B) 60°
(C) 90° (D) 120°

120. If UDOMETER is coded as DUMOTERE, then how will SUBLEASE be coded?

- (A) USLBESAE
- (B) USLBAEES
- (C) USBAELES
- (D) USLBEAES

121. If PURSER is coded as UPSRRE, then how will PERIODIC be coded?

- (A) EPRIDOIC
- (B) PEIRDOCI
- (C) EPIRDOCI
- (D) EPIRODCI

122. If STRAY is coded as TUSBZ, then how will MOURN be coded?

- (A) LPVSO
- (B) NPVSO
- (C) NVPOS
- (D) NPSVO

123. If RASCAL is coded as QZRBZK, then how will SOLDER be coded?

- (A) RNMEDQ
- (B) RPKEDS
- (C) TPMEFS
- (D) RNKCDQ

124. If CRY is coded as MRYC, then how will GET be coded?

- (A) MTEG
- (B) MGET
- (C) MEGT
- (D) METG

125. As 'Plateau' is related to 'Mountain', similarly 'Bush' is related to

- (A) Plants
- (B) Field
- (C) Forest
- (D) Trees

PART—C : ARITHMETIC

(Marks : 50)

Each question carries **2** marks

126. If $\frac{a}{a+b} = \frac{17}{23}$, then $\frac{a+b}{a-b}$ is equal to

(A) $\frac{23}{6}$

(B) $\frac{23}{11}$

(C) $\frac{17}{6}$

(D) $\frac{17}{11}$

127. The sum of two numbers is 56 and their LCM is 105. The numbers are

(A) 7 and 49

(B) 22 and 34

(C) 24 and 32

(D) 35 and 21

128. A man incurs a loss of 20% on selling 45 lemons for ₹ 40. How many lemons should he sell for ₹ 24 so as to make a profit of 20%?

(A) 18

(B) 20

(C) 24

(D) 30

129. $2\log_2 2^2$ is equal to

(A) 2

(B) 4

(C) 8

(D) 16

130. A man bought two watches for ₹ 650. If he sells first at a profit of 20% and the other at a loss of 25%, then the SP of both watches are equal. The CP of first watch in rupees is

(A) 400

(B) 450

(C) 500

(D) 550

131. The sum of four consecutive numbers is a prime number. The product of the numbers is

(A) 0

(B) 1

(C) 3

(D) 4

132. 1.444 in fractional form is

- (A) $14/10$
- (B) $13/9$
- (C) $14.44/10$
- (D) None of the above

133. If $\frac{1}{3}\log_2 a = 2$ and $\frac{1}{2}\log_6 b = 1$, then $\log_{10}(a+b)$ is equal to

- (A) 1
- (B) 2
- (C) 3
- (D) 4

134. The angle of depression from the top of the tower to the top of the post is 60° . If the distance between their bases is $\sqrt{3}$ and the height of the tower is 10 m, the height of the post is

- (A) $10\sqrt{3}$
- (B) $7\sqrt{3}$
- (C) 7
- (D) None of the above

135. The unit radius of a unit circle is equal to

- (A) 4
- (B) 1
- (C) 0.1
- (D) 0.01

136. If $x : y = y : z$, then $x^2 : y^2$ is

- (A) $1 : x$
- (B) $x : y$
- (C) $x : z$
- (D) $z : y$

137. The slope of a line is $\sqrt{3}$. Its inclination is

- (A) 30°
- (B) 45°
- (C) 60°
- (D) 90°

138. The probability that a non-leap year has 53 Sundays is

- (A) 1
- (B) $\frac{1}{7}$
- (C) $\frac{1}{365}$
- (D) $\frac{7}{365}$

139. The ratio of two numbers is 4 : 5. If their HCF is 13, the difference of their digits is

- (A) 9
- (B) 11
- (C) 13
- (D) 17

140. An arc of a circle of radius 3 cm subtends an angle of 30° at the centre. The length of the arc in cm is equal to

- (A) $\frac{\pi}{2}$
- (B) $\frac{\pi}{3}$
- (C) $\frac{\pi}{4}$
- (D) $\frac{\pi}{6}$

141. How many ways are there to divide a square into four equal parts?

- (A) 1
- (B) 2
- (C) 4
- (D) 8

142. A circular wheel of radius $\frac{4}{\pi}$ m rolls on the ground without slipping. If it makes one complete rotation in 5 seconds, in how many minutes it will cover a distance of 12 m?

- (A) $\frac{1}{2}$
- (B) $\frac{1}{3}$
- (C) $\frac{1}{8}$
- (D) $\frac{1}{5}$

143. The angle between the minute hand and the hour hand of an accurate clock at 10 pass 10 o'clock is

- (A) 60°
- (B) 90°
- (C) 120°
- (D) None of the above

144. The product of two numbers is 168 and their sum is 26. Their difference is

- (A) 2
- (B) 4
- (C) 6
- (D) 8

145. The altitude of an equilateral triangle whose area is that of a square of side $\sqrt{3}$ is

- (A) $\sqrt{3}$
- (B) $3\sqrt{3}$
- (C) $\sqrt{\sqrt{3}}$
- (D) $\sqrt{3\sqrt{3}}$

146. The weight of a man and his wife is 130 kg; the weight of his wife and his child is 70 kg and the weight of the child and the father is 116 kg. What is the weight of the man?

- (A) 80 kg
- (B) 84 kg
- (C) 88 kg
- (D) 92 kg

147. If $\frac{a}{b+a} = \frac{2}{3}$, then $\frac{a+b}{b}$ is equal to

- (A) $\frac{3}{4}$
- (B) $\frac{3}{5}$
- (C) $\frac{4}{3}$
- (D) 3

148. In the year 2020, the age of the father will be twice the age of his son. If his son celebrates his 12th birthday on the year 1972, what was the age of the son in the year 1986?

- (A) 26
- (B) 30
- (C) 32
- (D) 34

149. The strength of 100 men is equal to the strength of 4 elephants and that of 60 women is equal to that of 1 elephant. How many women equals the strength of 10 men?

- (A) 12
- (B) 20
- (C) 24
- (D) 30

150. Last digit of $9^9 + 9$ is

- (A) 0
- (B) 1
- (C) 8
- (D) 9