Booklet Serial No. **14057**

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

SERIES : I

QUESTION BOOKLET

Subjects : General English, General Knowledge and Mathematics

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
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. 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 :

   Ⓐ Ⓑ Ⓒ Ⓓ

   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 :

   Ⓐ Ⓑ ● Ⓓ

   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

***Directions* (Q. Nos. 1–5) : Choose the appropriate antonyms of the following.**

1. Dawdle :
   - (A) Bogus
   - (B) Rush
   - (C) Equivocate
   - (D) Dissemble

2. Abstemious :
   - (A) Abstinence
   - (B) Absurd
   - (C) Absolution
   - (D) Flamboyant

3. Colossal :
   - (A) Minute
   - (B) Minuet
   - (C) Convolute
   - (D) Comply

4. Timorous :
   - (A) Timid
   - (B) Dauntless
   - (C) Irresolute
   - (D) Tipster

5. Ambivalent :
   - (A) Unequivocal
   - (B) Unmitigated
   - (C) Unperturbed
   - (D) Unprecedented

***Directions* (Q. Nos. 6–10) : Choose the appropriate synonyms of the following.**

6. Incontrovertible :
   - (A) Indictable
   - (B) Inconceivable
   - (C) Indisputable
   - (D) Incorrigible

7. Indefatigable :
   - (A) Inevitable
   - (B) Inexhaustible
   - (C) Inexcusable
   - (D) Inexorable

8. Mottled :
   - (A) Febrile
   - (B) Flounced
   - (C) Variety
   - (D) Variegated

9. Pillory :
   - (A) Stigmatise
   - (B) Stoke
   - (C) Stipple
   - (D) Stonker

10. Rumpus :
    - (A) Rumble
    - (B) Sneer
    - (C) Brouhaha
    - (D) Growl

***Directions* (Q. Nos. 11–30) : Choose the correct option to fill in the gaps.**

11. _____ in an ideal is hard.
    - (A) Believing
    - (B) Believe
    - (C) Belief
    - (D) Believes

12. We both believed we were _____ to one another.
    - (A) complementary
    - (B) complimentary
    - (C) complementing
    - (D) compatible

13. As a poet, he _____ very slowly.
    - (A) aspired
    - (B) matured
    - (C) grew
    - (D) succeeded

14. That cannot be a reason for _____ being exposed to danger.
    - (A) you
    - (B) your
    - (C) yourself
    - (D) yourselves

15. She behaved very well, and _____ no emotion.
    - (A) betrayed
    - (B) allowed
    - (C) let
    - (D) hid

16. Beyond the _____ of the school, British society is rife with serious problems of prejudice and bigotry.
    - (A) confines
    - (B) premises
    - (C) precincts
    - (D) borders

17. As a counsellor she was not wanted but as _____ approver, she was truly welcome.

   (A) the   (B) a

   (C) an   (D) their

18. Emma listened to him with _____ warmest concern.

   (A) such   (B) the

   (C) deep   (D) a

19. The crowded bus _____ its way through the snarl of traffic in the city.

   (A) inched   (B) wriggled

   (C) found   (D) drove

20. There was nothing _____ about the noisy littered street bordered by an untidy row of shops.

   (A) appealing   (B) appalling

   (C) to appeal   (D) appreciating

21. She read the letter with _____ degree of pleasure and admiration for its style and eloquence.

   (A) the   (B) a

   (C) great   (D) some

22. The kite _____ when I gave it a strong pull.

   (A) bent   (B) swooped

   (C) swindled   (D) suspended

23. The teacher narrated a story that was _____, that the kids were held spellbound.

   (A) absorbing

   (B) absorbent

   (C) appreciative

   (D) mildly interesting

24. The essay written by Joan was _____ as excellent by the teacher.

   (A) apprised   (B) graded

   (C) marked   (D) appraised

25. You owe your mother the duty of courtesy, _____ more than you do to your teachers.

   (A) much   (B) a lot

   (C) a bit   (D) very much

26. This dictionary is widely acknowledged to be the most authoritative and _____.

   (A) comprehensible

   (B) comprehensive

   (C) intensive

   (D) intelligible

27. Seeing the movie about space travel _____ my interest in becoming an astronaut.

   (A) roused   (B) simulated

   (C) aroused   (D) activated

28. They _____ their horses in order to guide the animals across the stream.

   (A) dismounted

   (B) mounted off

   (C) alighted off

   (D) dislodged

29. They stood in _____ silence as the flag was raised.

   (A) awesome   (B) reverent

   (C) reverence   (D) referable

30. Tom is taller than Richard, and Richard is _____ than Fred.

   (A) more taller   (B) taller

   (C) tallest   (D) tall

31. I. A little lemon and lime juice helps to keep the vegetables fresh and green.

II. Little lemon and lime juice helps to keep the vegetables fresh and green.

III. A little lemon and lime juice keeps vegetables fresh and green.

(A) I and II   (B) I and III

(C) II and III   (D) I, II and III

32. I. If I were you, I'd compliment the cook.

II. I would compliment the cook if I were you.

III. If I were you I'd complement the cook.

(A) I and II   (B) I and III

(C) II and III   (D) I, II and III

33. I. You have to be at the auditorium by noon before it gets crowded.

II. Be at the auditorium by noon before it gets crowded.

III. You have to be seated in the auditorium by noon before it gets crowded.

(A) I and II   (B) I and III

(C) II and III   (D) I, II and III

34. I. Prepared in the Burgundian style, snails are served in their shells, with butter flavoured with garlic and herbs.

II. Prepared in Burgundian style, snails are served in their shells, with butter flavoured with garlic and herbs.

III. Prepared in the typical Burgundian style, snails are served in their shells, with butter flavoured with garlic and herbs.

(A) I and II   (B) I and III

(C) II and III   (D) I, II and III

35. I. He plays the violin so well that he could perform at the concert.

II. He plays the violin very well that he could perform at the concert.

III. He played the violin so well that he could have performed at the concert.

(A) I and II   (B) I and III

(C) II and III   (D) I, II and III

36. I. The strategy of writing invites you to produce complete sentences.

II. The strategy of writing invites us to produce complete sentences.

III. The strategy of writing invites to produce complete sentences.

(A) I and II   (B) I and III

(C) II and III   (D) I, II and III

37. I. Roger, tall and strongly built, a young man lacking by inches the height of a professional basketball player.

II. Roger was tall and strongly built, falling short of the height of a professional basketball player by only a couple of inches.

III. Roger was a tall and finely built young man, almost the height of a professional player.

(A) I and II   (B) I and III
(C) II and III   (D) I, II and III

38. I. One of the most important elements writers must consider in presenting action is sequencing.

II. For writers, one of the most important elements of presenting action is sequencing.

III. Sequencing is an important element writers must consider in order to present action.

(A) I and II   (B) I and III
(C) II and III   (D) I, II and III

39. I. They got into the boat and rowed through across the river.

II. They got into the boat and began rowing across the river.

III. They got into the boat and rowed across the river.

(A) I and II   (B) I and III
(C) II and III   (D) I, II and III

40. I. The questions were difficult but I managed to answer them all.

II. The questions were difficult but I managed to answer all of them.

III. Though the questions were difficult, but I managed to answer them all.

(A) I and II   (B) I and III
(C) II and III   (D) I, II and III

Directions (Q. Nos. 41–50) : Choose the correct meaning for the phrases given below.

41. Be in the genes

(A) To be part of the blood

(B) Be part of a lineage

(C) To be part of something

(D) To be a quality that your parents have passed on to you

42. Be caught in a cleft stick

(A) To be in a difficult situation when any action you take will have bad results

(B) To be in a difficult situation which has remedies to resolve it

(C) To be caught in a situation where all remedies are beyond reach

(D) To do something that we already know will not work out

43. Take the gilt off the gingerbread

(A) To deliberately avoid a person you know

(B) To beat about the bush without arriving at any conclusion

(C) To do something that makes a situation or achievement less impressive

(D) To treat something insignificant as something important

44. Not let the grass grow under your feet

(A) Not to delay in getting things done

(B) Not doing what you're supposed to do

(C) Not to have patience when you need it most

(D) Not being able to learn from past errors

45. Grin and bear it

(A) To sheepishly admit one's faults and be penitent

(B) To readily admit one's faults and be ready to face consequences

(C) To accept compliments in the most graceful manner

(D) To accept pain, disappointment or a difficult situation without complaining

46. Keep your nose to the grindstone

(A) To work hard for a long time without stopping

(B) To work hard for meagre dues

(C) To work hard without being appreciated

(D) To work hard for a price

47. Reduced circumstances

(A) To show how badly you like or want something without any control

(B) A condition where difficulties have decreased

(C) The state of being poorer than before

(D) The state of suffering that is inconsolable

48. To be tickled pink

(A) To try to supress laughter

(B) To burst into a fit of laughter

(C) To be very pleased or amused

(D) To be uncomfortable and ill at ease

49. Rough and tumble

(A) A situation in which there is a healthy competition among young people

(B) A situation in which people compete with each other and are aggressive in order to get what they want

(C) A war like situation which calls one and all to be ready for negotiation

(D) A chaotic situation which calls for immediate control

50. Have more strings to your bow

(A) To have one skill or plan that you can use

(B) To possess multiple skills and talents

(C) To have wide ranging information on various branches of knowledge

(D) To be well protected

PART—B : GENERAL KNOWLEDGE

(*Marks* : 100)

Each question carries **2** marks

51. All the food chains in a single ecosystem are called
(A) trophic level
(B) multiple food chains
(C) food web
(D) ecological pyramid

52. Ultraviolet radiations from sunlight cause a reaction producing
(A) carbon monoxide
(B) ozone
(C) fluoride
(D) sulfur dioxide

53. Which of the following best defines biodiversity?
(A) The variety of ecosystems in a region
(B) The number of species in a specific area
(C) The diversity of life forms on earth
(D) The genetic variation within a species

54. Which forests are also referred to as 'monsoon forests'?
(A) Montane Forests
(B) Tropical Deciduous Forests
(C) Tropical Evergreen Forests
(D) Mangrove Forests

55. Where, among the following, will you find the Pitcher plants?
(A) Rain forest of North-East India
(B) Sundarbans
(C) Thar Desert
(D) Western Ghats

56. Dehydration in human body is caused due to the deficiency of which of the following?
(A) Water   (B) Hormones
(C) Vitamin   (D) Salt

57. Which of the following is the hardest element?
(A) Copper   (B) Diamond
(C) Iron   (D) Silicon

58. A moving body on earth ordinarily comes to rest by itself because of the
(A) law of inertia
(B) forces of friction
(C) conservation of momentum
(D) gravity

59. The hottest planet of our solar system is
(A) Mercury   (B) Venus
(C) Mars   (D) Jupiter

60. The script of Indus Valley people was
(A) desi script
(B) Kharosthi script
(C) Brahmi script
(D) pictographic script

61. Who was the first Governor General of India?
(A) Lord Dalhousie
(B) Lord William Bentinck
(C) Lord Cornwallis
(D) None of them

62. Mahatma Gandhi entered into freedom struggle in India in the year
(A) 1911   (B) 1915
(C) 1917   (D) 1919

63. The Earth's natural satellite is
(A) Mars (B) Neptune
(C) Venus (D) Moon

64. The largest producer of rice in India is
(A) Bihar
(B) Tamil Nadu
(C) West Bengal
(D) Karnataka

65. A Bill presented in the Parliament becomes an Act after
(A) it is passed by both the Houses
(B) it is passed by both the Houses and receives the assent of the President
(C) the Prime Minister has signed it
(D) the Supreme Court has declared it to be within the competence of the Union Parliament

66. The Judges of the Supreme Court are appointed by the
(A) Prime Minister
(B) President
(C) Chief Justice
(D) Lok Sabha

67. Bank notes and coins above one rupee denomination are issued by the
(A) Reserve Bank of India
(B) Ministry of Finance
(C) State Bank of India
(D) Government of India

68. The largest nationalized bank of India is the
(A) State Bank of India
(B) Punjab National Bank
(C) Bank of Baroda
(D) Bank of India

69. The most populous State according to the 2011 Census is
(A) Bihar
(B) Maharashtra
(C) Uttar Pradesh
(D) West Bengal

70. Which of the following is the poorest State of India? (According to the report of Economic Advisory Council to the Prime Minister (EAC-PM) released on September 18, 2024)
(A) Uttar Pradesh
(B) Meghalaya
(C) Jharkhand
(D) Bihar

71. Webpages are saved in which of the following formats?
(A) http:// (B) HTML
(C) DOC (D) URL

72. Who was the first Indian woman awardee of 'Bharat Ratna'?
(A) Sushma Swaraj
(B) Sarojini Naidu
(C) Indira Gandhi
(D) Pratima Puri

73. Who wrote the book, *Oliver Twist*?
(A) William Shakespeare
(B) Charles Dickens
(C) George Bernard Shaw
(D) Charles Darwin

74. Which of the following composers is known for his 'Symphony No. 9', a powerful and influential work that includes a famous choral moment?
(A) Wolfgang Amadeus Mozart
(B) Franz Joseph Haydn
(C) Ludwig van Beethoven
(D) Frederic Chopin

75. When is the World No-Tobacco Day observed?
(A) 31st July
(B) 31st August
(C) 31st March
(D) 31st May

76. World War II began with the German invasion of
    (A) Russia
    (B) France
    (C) United Kingdom
    (D) Poland

77. Who is known as the Father of Artificial Intelligence?
    (A) Alan Turing
    (B) John McCarthy
    (C) Blaise Pascal
    (D) Darmouth

78. When was the NITI Aayog established?
    (A) 1st January, 2015
    (B) 25th January, 2016
    (C) 14th May, 2014
    (D) 1st July, 2015

79. From which Sanskrit root is the word 'Yoga' derived?
    (A) Yug   (B) Yuj
    (C) Yob   (D) Yuk

80. Which of the following is **not** true about Vande Bharat Express?
    (A) It was formerly known as Train 18
    (B) It was introduced in February, 2019
    (C) It is designed and manufactured by Integral Coach Factory (ICF) located in Chennai, India
    (D) It is the fastest train in the world

81. Where is Kempegowda International Airport located?
    (A) Chennai   (B) Kolkata
    (C) Delhi   (D) Bangalore

82. Who is known as the Iron Man of India?
    (A) Govind Ballabh Pant
    (B) Jawaharlal Nehru
    (C) Subhas Chandra Bose
    (D) Sardar Vallabhbhai Patel

83. Which is the capital city of Bhutan?
    (A) Thimphu
    (B) Taipei
    (C) Bangkok
    (D) Kathmandu

84. Who were the first men to fly an aeroplane?
    (A) Charles Lindbergh
    (B) Orville and Wilbur Wright
    (C) Louis Bleriot
    (D) Glenn Curtiss

85. Who discovered the Polio vaccine?
    (A) Konrad Zuse
    (B) Jonas Salk
    (C) Louis Pasteur
    (D) Eli Whitney

86. Which of the following is a set of diseases caused by mosquitoes?
    (A) Cholera, Dengue, Malaria
    (B) Chikungunya, Dengue, Malaria
    (C) Chikungunya, Cholera, Typhoid
    (D) Cholera, Malaria, Typhoid

87. The Commonwealth Games are normally held once in how many years?
    (A) Two   (B) Six
    (C) Four   (D) Three

88. What is the full form of GOOGLE?
    (A) Global Orient of Oriented Group Language of Earth
    (B) Global Organization of Oriented Group Language of Earth
    (C) Global Orient of Oriented Group Limited of Earth
    (D) Global Oriented of Organization Group Language of Earth

89. Who is the current Prime Minister of Bangladesh?

(A) Khaleda Zia

(B) Muhammad Hassan Mehmood

(C) Sheikh Hasina Wajid

(D) None of them

90. Where will the 2028 Summer Olympics be held?

(A) United States of America

(B) United Kingdom

(C) Australia

(D) Russia

91. IP68 rating in smartphones indicates a device to withstand dust and submersion in water. What does 'IP' mean in 'IP68'?

(A) Internal Potection

(B) Ingress Protection

(C) Initial Point

(D) Intermediate Pressure

92. In which of the following dates, Mairang Civil Sub-division was created?

(A) 10th November, 1976

(B) 19th October, 1976

(C) 19th December, 1976

(D) 10th October, 1976

93. In the year 2024, Durand Cup was held in Meghalaya in which of the following months?

(A) July (B) August

(C) September (D) October

94. What is meant by Syntu Ksiar?

(A) Golden basket

(B) Golden flower

(C) Golden rock

(D) Golden plant

95. How many districts are there in Meghalaya?

(A) 11 (B) 12

(C) 10 (D) 8

96. Who is the present Superintendent of Police, East Khasi Hills?

(A) Vivekanand Singh Rathore

(B) Vivek Syiem

(C) Giri Prasad

(D) Shailendra Bamaniya

97. In which month of the year is Shad Suk Mynsiem celebrated?

(A) May (B) August

(C) April (D) July

98. Who was conferred the Padma Shri Award in January 2025?

(A) Silbi Passah

(B) Risingbor Kurkalang

(C) Badaplin War

(D) David R. Syiemlieh

99. The newly elected CEM of KHADC, Shri Shemborlang Rynjah belongs to which of the following constituencies?

(A) Pariong-Mawthadraishan

(B) Mawkynrew

(C) Lyngkyrdem-Laitkroh

(D) Mawkyrwat

100. Under which of the following Acts, was the State of Meghalaya created?

(A) The Assam Reorganization (Meghalaya) Act, 1968

(B) The Assam Reorganization (Meghalaya) Act, 1971

(C) The Assam Reorganization (Meghalaya) Act, 1970

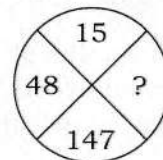(D) The Assam Reorganization (Meghalaya) Act, 1969

PART—C : MATHEMATICS

(*Marks* : 100)

Each question carries **2** marks

101. Find the odd one out from the given set of numbers :

14, 28, 35, 46, 56, 84

(A) 56   (B) 84

(C) 35   (D) 46

102. In a certain code 'CODE' is written as 'DPEF'. How can 'DEFENCE' be written in that code?

(A) KWMCJFL

(B) ELDFSAP

(C) EFGFODF

(D) HRAOSCV

103. 154 men can do a piece of work in 158 days. Find the number of days required by 33 men to complete 1/7th of the work.

(A) 100 days   (B) 105 days

(C) 110 days   (D) 115 days

104. The ratio of ages of 2 people is $2 : 1$. After 10 years the ratio of their ages will be $3 : 2$. Find their current ages.

(A) 10, 5   (B) 12, 6

(C) 18, 9   (D) 20, 10

105. Find the unit's digit in the expression

$$71 \times 29 + 27 \times 15 + 8 \times 4$$

(A) 6   (B) 4

(C) 0   (D) 8

106. Look at this series :

7, 10, 8, 11, 9, 12, ...

What number should come next?

(A) 7   (B) 10

(C) 12   (D) 13

107. A train, 125 m long, passes a man running at 5 km/h in the same direction in which the train is going, in 10 seconds. The speed of the train is

(A) 45 km/h   (B) 50 km/h

(C) 54 km/h   (D) 55 km/h

108. A batsman scored 110 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets?

(A) 45%   (B) $45\dfrac{5}{11}$%

(C) $54\dfrac{6}{11}$%   (D) 55%

109. Three numbers are in a ratio $11 : 19 : 20$. If the difference between the largest and smallest number is 45, find the average of the numbers.

(A) 75   (B) 77·25

(C) 83·33   (D) 87·50

110. A man invested x rupees for 8 years at a rate of 9% simple interest. If the amount he received after 8 years was ₹ 26,00,640, find the amount he invested.

(A) ₹ 12,15,000

(B) ₹ 15,12,000

(C) ₹ 12,00,120

(D) ₹ 15,00,150

111. If $\sqrt{1+\dfrac{x}{225}} = \dfrac{17}{15}$, then find the value of x
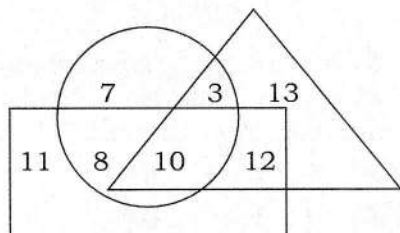
(A) 86   (B) 64

(C) 74   (D) 58

112. 2 pipes can fill a tank in 12 minutes when opened together. If first pipe can fill the tank in 16 minutes, find the time taken by the second pipe to fill the tank.

(A) 24 minutes

(B) 36 minutes

(C) 48 minutes

(D) 60 minutes

113. A shopkeeper sells an article for ₹ 600. If the profit is 20% of the cost price, find the profit.

(A) ₹ 100   (B) ₹ 250

(C) ₹ 500   (D) ₹ 120

114. What will be the circumference of a circle in cm whose area is 40 cm^2?

(A) 32·42   (B) 25·68

(C) 22·37   (D) 30·00

115. In a certain code '564' means 'study very hard', '736' means 'hard work pays' and '423' means 'study and work'. Which of the following is the code for 'work'?

(A) 5   (B) 3

(C) 6   (D) 4

116. The HCF and LCM of two numbers are 33 and 4719 respectively. When the first number is divided by 3 the quotient is 121, find the other number.

(A) 469   (B) 389

(C) 359   (D) 429

117. If $x + y + z = 0$, then what is the value of $(x + y)(y + z)(z + x)$?

(A) $x^2 + y^2 + z^2$

(B) $(x + y + z)^2$

(C) $-xyz$

(D) xyz

118. If one-third of one-fourth of a number is 15, then three-tenth of that number is

(A) 35   (B) 36

(C) 45   (D) 54

119. A number is twice a second number which in trun is 3 times the third number. Find the ratio of the series.

(A) 6 : 3 : 1   (B) 2 : 3 : 5

(C) 2 : 3 : 6   (D) 2 : 4 : 7

120. 5 litres of water is mixed in x litres of milk. If the water is 20% of the mixture, find the value of x.

(A) 5 litres   (B) 25 litres

(C) 10 litres   (D) 20 litres

121. A man travels 15 km at a speed of 30 kmph, 50 km at a speed of 20 kmph and 30 km at a speed of 120 kmph. Find the time taken throughout the journey.

(A) 2 hours   (B) 2·5 hours

(C) 3 hours   (D) 3·25 hours

122. A box had 17 bulbs. All but five are fused. How many are actually fused?

(A) 9   (B) 8

(C) 12   (D) 5

123. Find the correct alternative which will replace the question mark?

(A) 417   (B) 444

(C) 846   (D) 284

124. If triangle represents women, rectangle represents educated person and circle represents government jobs, then which number represents educated women who are not in government job?

(A) 10   (B) 12

(C) 8   (D) 3

125. Find the sum of two numbers, whose product is 200 and difference is minimum.

(A) 30   (B) 27

(C) 35   (D) 33

126. Two numbers are in the ratio 4 : 5. Their LCM is 240. Find the sum of the numbers.

(A) 108   (B) 120

(C) 132   (D) 98

127. If $a - b = 16$ and $a^2 - b^2 = 544$, find the value of $2ab$.

(A) 450   (B) 500

(C) 550   (D) 350

128. The age of 5 people are in the ratio 2 : 3 : 4 : 5 : 6. If the age of the eldest of them is 42 years, find the average of their ages.

(A) 27 years   (B) 28 years

(C) 25 years   (D) 26 years

129. If a person walks at 14 km/h instead of 10 km/h, he would have walked 20 km more. The actual distance travelled by him is

(A) 50 km   (B) 56 km

(C) 70 km   (D) 80 km

130. There are a total of 1236 students in a school. If the boy to girl ratio is 1 : 2, find the difference between number of girls and boys.

(A) 412   (B) 824

(C) 241   (D) 214

131. What will be the area (in sq. cm) of a quadrant of a circle which has a circumference of 44 cm?

(A) $110/\pi$ (B) $22/\pi$

(C) $121/\pi$ (D) $11/\pi$

132. A rectangular plot measuring 90 m by 40 m is to be enclosed by wire fencing. If the poles of the fence are kept 5 m apart, what will be the total number of poles required?

(A) 50   (B) 52

(C) 48   (D) 1440

133. Find the value of

$$\frac{(973 + 786)^2 - (973 - 786)^2}{973 \times 786}$$

(A) 2   (B) 6

(C) 4   (D) 8

134. If $X + Y = 174$, and X is half of Y, then find the value of X.

(A) 58   (B) 116

(C) 57   (D) 114

135. Find the difference of $3\frac{3}{4}$ and its reciprocal

(A) $\dfrac{209}{60}$ (B) $\dfrac{203}{60}$

(C) $\dfrac{209}{120}$ (D) $\dfrac{203}{30}$

136. If there are 62 keys on my laptop, what is the percentage of the alphabet keys?

(A) 41%   (B) 46%

(C) 43%   (D) 42%

137. Find the HCF of 405, 585, 765 and 900.

(A) 45   (B) 90

(C) 35   (D) 15

138. What is 90% of 900% of 9000% of 9?

(A) 7290   (B) 729

(C) 6156   (D) 6561

139. A number is multiplied by 20% of itself, the sum is then doubled. If the final value is 490, find the number.

(A) 35   (B) 40

(C) 45   (D) 50

140. A man invested x rupees for 20 years at a rate of 9% simple interest. If the amount he received after 20 years was ₹ 37,03,000, find the amount he invested.

(A) ₹ 13,25,500

(B) ₹ 13,22,500

(C) ₹ 13,20,500

(D) ₹ 13,10,500

141. 25 men can do a work in 20 days. Find the time in which 15 men can do the same amount of work.

(A) 30 days   (B) 28 days

(C) 33·33 days   (D) 39 days

142. The speed of a man is 33·12 km/h and the speed of another man is 8·8 m/s. If the distance between them is 27 m, find the time taken by them to meet. They are walking towards each other.

(A) 1·2 seconds

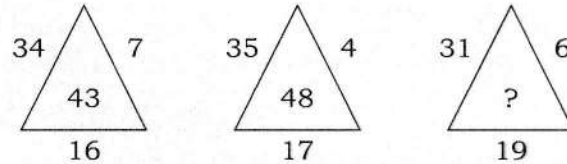(B) 1·5 seconds

(C) 2·3 seconds

(D) 2·5 seconds

143. Which of the following is the correct expression for the volume of a cylinder?

(A) πrh^2 (B) $4\pi r^2 h$

(C) $\pi r^2 h$ (D) $2\pi rh$

144. Pointing towards a person a woman said to a man, "His father is the only son of your mother". How is the man related to that person?

(A) Father   (B) Son

(C) Husband   (D) Brother

145. Find the correct alternative which will replace the question mark?

(A) 49   (B) 33

(C) 27   (D) 44

146. Complete the following series

6, 12, 36, 144, 720 ...?

(A) 4320   (B) 2843

(C) 8249   (D) 6825

147. If the volume of a cylinder is 1000 cm^3 with the height of 7 cm, then what will be the radius of this cylinder?

(A) 7·33 cm   (B) 5·93 cm

(C) 6·74 cm   (D) 5·19 cm

148. A train crosses a station of 400 m in 20 seconds running at a speed of 198 km/h. Find the length of the train.

(A) 600 m   (B) 700 m

(C) 800 m   (D) 900 m

149. If 25% of a number is 25 less than the number, find the number.

(A) 100   (B) 50

(C) $\dfrac{100}{3}$ (D) 25

150. Find the fraction equivalent to $4\dfrac{4}{5}\%$.

(A) $\dfrac{3}{250}$ (B) $\dfrac{6}{125}$

(C) $\dfrac{6}{225}$ (D) $\dfrac{9}{125}$