

209349

Booklet Serial No.

DO NOT BREAK THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO**SERIES : I****QUESTION BOOKLET****Subjects : General English, General Knowledge & Aptitude 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 and 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. 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 :

Directions (Q. Nos. 1-10) : In these questions, out of the four alternatives given, choose the one which best expresses the meaning of the underlined word(s).

1. Their eloquence and memory found expression in their poetry.
(A) fluency (B) increase
(C) weak (D) healthy
2. The students are all geared up.
(A) ready (B) inspired
(C) keen (D) motivated
3. She remained steadfast and did not reveal the secret.
(A) prepared for the worst
(B) patient
(C) resolute
(D) experiment
4. It was indeed a vindictive act!
(A) dedicated (B) text
(C) healthy (D) revengeful
5. Everyone has an indispensable role to play.
(A) short (B) essential
(C) crucial (D) clean
6. As he was ambitious, I slew him.
(A) killed (B) praised
(C) encouraged (D) induced
7. The potent medication reduced the symptoms immediately.
(A) expensive (B) strong
(C) paltry (D) bitter
8. The precipitous change was considered a good thing.
(A) gentle (B) difficult
(C) colourful (D) abrupt

9. His untoward behaviour during the admission process cost him his medical seat.

- (A) unpleasant (B) casual
(C) capricious (D) polite

10. He is the protagonist of the play.

- (A) director (B) dancer
(C) hero (D) villain

Directions (Q. Nos. 11-15) : In these questions, out of the four alternatives given, choose the one which is opposite in meaning to the underlined word.

11. They had an insipid conversation.

- (A) healthy (B) productive
(C) loud (D) exciting

12. Many people try to resist reforms in the society.

- (A) fight (B) repel
(C) accept (D) attract

13. His illicit affair is a disgrace to the family.

- (A) legitimate (B) valid
(C) illegitimate (D) legal

14. Do give a plausible answer to my query.

- (A) reasonable (B) possible
(C) improbable (D) conceivable

15. Beware of his crooked ways.

- (A) straight (B) jagged
(C) uneven (D) twisted

Directions (Q. Nos. 16–25) : In the following questions, sentences are given with blanks to be filled in with appropriate and suitable words. Four alternatives are suggested for each question. Choose the correct alternative out of the four.

16. The _____ of our children is our priority.
(A) safe (B) saving
(C) safely (D) safety
17. The actual _____ of sleep you need depends on your age.
(A) number (B) sum
(C) amount (D) quantity
18. There should be _____ of fresh air in the room.
(A) much (B) plenty
(C) many (D) several
19. I walk _____ the newspaper shop on my way to school.
(A) past (B) pass
(C) bypass (D) passed
20. British people are always complaining about the _____.
(A) weather (B) wetter
(C) wither (D) whether
21. Thai _____ is famous for being delicious but very spicy.
(A) meal (B) dish
(C) feast (D) cuisine
22. 'Harry Potter' books sold more _____ than any other book.
(A) editions (B) versions
(C) copies (D) publications
23. Ann is always gossiping and _____ lies about other people.
(A) telling
(B) speaking
(C) exclaiming
(D) saying
24. My uncle is a top lawyer and he has _____ money.
(A) much (B) a lot of
(C) plenty (D) lots
25. This movie is so boring. What time does it _____?
(A) close (B) final
(C) stop (D) finish

Directions (Q. Nos. 26–35) : Fill in the blanks with appropriate prepositions from the options given below.

26. I slept _____ 9 o'clock.
(A) for (B) till
(C) to (D) until
27. I saw him felling a big tree _____ a hatchet.
(A) by (B) off
(C) with (D) on

28. An old feud existed _____ the two families.
 (A) between (B) among
 (C) within (D) with
29. _____ Peter and John there were two other boys.
 (A) Besides (B) Beside
 (C) Beyond (D) Aside
30. I commenced work _____ 1st May.
 (A) by (B) since
 (C) for (D) from
31. She has been waiting for her friend _____ 10 o'clock.
 (A) since (B) for
 (C) at (D) from
32. You cannot enter the museum _____ 9 o'clock.
 (A) by (B) till
 (C) before (D) in
33. The students have to complete all their exercises _____ 3 hours.
 (A) between (B) within
 (C) till (D) before
34. If you do not use the lights, remember to turn them _____.
 (A) in (B) out
 (C) over (D) off
35. I was amazed _____ her ignorance.
 (A) at (B) with
 (C) on (D) by

Directions (Q. Nos. 36-40) : In these questions, some of the sentences have errors and some have none. Find out which part of the sentence, i.e., (A), (B) or (C) has an error and select that part as an answer. If there is no error, then (D) is the answer.

36. (A) I will
 (B) inform them
 (C) this
 (D) No error
37. (A) He walked
 (B) ten miles
 (C) by foot
 (D) No error
38. (A) The railway
 (B) will compensate us
 (C) for the loss
 (D) No error
39. (A) We went
 (B) to mall
 (C) last Saturday
 (D) No error
40. (A) Nina
 (B) new circle of friends
 (C) is throwing her a party
 (D) No error

Directions (Q. Nos. 41-50) : In these questions, four alternatives are given for the given idioms and phrases. Choose the alternative which best expresses the meaning of the given idiom/phrase.

41. *Let the cat out of the bag*
(A) A bagful of secrets
(B) Secrets to be hidden
(C) Secret is revealed
(D) None of the above
42. *To leave someone in the lurch*
(A) To come to compromise with someone
(B) Constant source of annoyance to someone
(C) To put someone at ease
(D) None of the above
43. *To play second fiddle*
(A) To be happy, cheerful and healthy
(B) To reduce importance of one's senior
(C) To support the role and view of another person
(D) None of the above
44. *To drive home*
(A) To find one's roots
(B) To emphasize
(C) To return to one's place of rest
(D) None of the above
45. *To end in smoke*
(A) To come to nothing
(B) To overcome someone
(C) To excite applause
(D) None of the above
46. *To pick holes*
(A) To destroy something
(B) To cut some part of an item
(C) To find a reason to quarrel
(D) None of the above
47. *To set one's face against*
(A) To judge by appearance
(B) To oppose with determination
(C) To get out of difficulty
(D) None of the above
48. *To throw up one's hands*
(A) To put your hands together
(B) To give up
(C) To dirty your hands
(D) None of the above
49. *Hand on a platter*
(A) The hand held the plate
(B) Hand and plate go together
(C) To obtain something easily
(D) None of the above
50. *Bite the hand that feeds you*
(A) To do harm to someone who is kind to you
(B) To cut off a hand that harms you
(C) To feed someone with your hands
(D) None of the above

PART—B : GENERAL KNOWLEDGE AND APTITUDE

(Marks : 100)

Each question carries 2 marks :

51. Which Amendment Act in India reduced the voting age from 21 to 18?
(A) 73rd (B) 61st
(C) 13th (D) 43rd
52. Which mirror is used as a rear-view mirror in the vehicle?
(A) Concave mirror
(B) Convex mirror
(C) Plane mirror
(D) Bi-focal lens
53. Which State had the first COVID-19 case in India?
(A) Maharashtra
(B) Mumbai
(C) Delhi
(D) Kerala
54. Who was the First Governor General of Free India?
(A) Lord Ripon
(B) Lord Minto
(C) Lord Dalhousie
(D) Lord Mountbatten
55. What is the third layer of the atmosphere called?
(A) Stratosphere
(B) Troposphere
(C) Mesosphere
(D) Ionosphere
56. Which of the following pairs of dynasties and their founders is correctly matched?
(A) Suri Dynasty : Babur
(B) Tughlaq Dynasty : Bimbisara
(C) Maurya Dynasty : Qutb-ud-din Aibak
(D) Khilji Dynasty : Jalal-ud-din
57. Who among the following is **not** a member of any of the two Houses of our country?
(A) Prime Minister
(B) President
(C) Finance Minister
(D) Railway Minister
58. Which large carnivore was recently introduced at Kuno National Park, Madhya Pradesh?
(A) Tiger (B) Lion
(C) Leopard (D) Cheetah
59. Which country among the following **does not** have an international border with India?
(A) Bhutan
(B) Bangladesh
(C) Pakistan
(D) Sri Lanka
60. Which Union Ministry awards the National Service Scheme (NSS) Award?
(A) Ministry of Defence
(B) Ministry of Youth Affairs and Sports
(C) Ministry of Education
(D) Ministry of Skill Development and Entrepreneurship
61. India's first sanctuary for endangered 'slender loris' is to be set up in which State/UT?
(A) Meghalaya
(B) Assam
(C) Goa
(D) Tamil Nadu

62. When is World Water Day celebrated?
- (A) 22nd April
(B) 5th May
(C) 22nd March
(D) 15th February
63. How many pairs of ribs are there in a human body?
- (A) 10 pairs (B) 12 pairs
(C) 14 pairs (D) 16 pairs
64. Which among the following oxides cause acid rain?
- (A) Carbon monoxide and carbon dioxide
(B) Nitrous oxide and sulphur dioxide
(C) Carbon dioxide and nitrous oxide
(D) Sulphur dioxide and carbon monoxide
65. Which Grand Slam Tennis Tournament is also known as 'Roland-Garros'?
- (A) US Open
(B) Australian Open
(C) French Open
(D) Wimbledon Championship
66. Sports equipment maker 'Yonex' is based in which country?
- (A) China
(B) Japan
(C) South Korea
(D) Indonesia
67. The Government of India has established NITI Aayog to replace the
- (A) Human Rights Commission
(B) Finance Commission
(C) Law Commission
(D) Planning Commission
68. Who wrote the book, *Ignited Minds*?
- (A) Vikram Seth
(B) Dalai Lama
(C) A. P. J. Abdul Kalam
(D) Anita Desai
69. Scheme of Mid-Day Meal is **not** connected with
- (A) educational advancement
(B) social equality
(C) right to food
(D) child nutrition
70. Which of the following is **not** a 'Green-house gas'?
- (A) Nitrous oxide
(B) Carbon dioxide
(C) Methane
(D) Nitrogen
71. Which one of the following pairs of animals is warm blooded?
- (A) Crocodile and Ostrich
(B) Hagfish and Dogfish
(C) Tortoise and Ostrich
(D) Peacock and Camel
72. How many women legislators are there in the 11th Meghalaya Legislative Assembly?
- (A) 1 (B) 2
(C) 3 (D) 4
73. Which of the following countries is **not** a G7 member?
- (A) Italy
(B) Australia
(C) France
(D) Canada

74. Who is the first Indian-origin Prime Minister of the UK?
- (A) Rishi Sunak
(B) Kamala Harris
(C) Antonio Costa
(D) Leo Varadkar
75. What was the theme for the G20 Summit 2023?
- (A) 'One Earth, One Life, One Future'
(B) 'One Planet, One Family, One Future'
(C) 'One Earth, One Family, One Future'
(D) 'One Family, One Planet, One Life'
76. The objective of the National Equity Fund Scheme is to
- (A) provide equity type support to entrepreneurs for setting up new projects in small-scale sectors
(B) provide loan to mutual fund investors
(C) mobilise resources for investing in equity market
(D) None of the above
77. Stagflation is related to
- (A) increase in price level
(B) decrease in price level
(C) increase in Sensex value
(D) decrease in Sensex value
78. The Prakriti Khoj initiative is related to
- (A) afforestation drive
(B) environmental quiz competition
(C) research programme by ZSI
(D) a campaign launched to protect tribal communities of India
79. Who among the following was elected for the fourth time as German Chancellor?
- (A) Win Myint
(B) Angela Merkel
(C) Mike Pompeo
(D) J. S. Rajput
80. Who is the present Governor of Manipur?
- (A) Anant Geete
(B) Najma Heptulla
(C) Anusuiya Uikey
(D) Santosh Gangwar
81. France is supplying Rafales to India. The deal is about
- (A) warships
(B) fighter aircrafts
(C) nuclear reactors
(D) submarines
82. What is the height of the Statue of Unity?
- (A) 181 m (B) 182 m
(C) 186 m (D) 189 m
83. In geometry, a figure that has all sides equal but none of the angles right angles is a
- (A) square (B) rectangle
(C) trapezium (D) rhombus
84. In which country would you find the ruins of Pompeii?
- (A) Spain (B) Portugal
(C) Italy (D) China
85. Under the Constitution of India, which one of the following is **not** a Fundamental Duty?
- (A) To develop a scientific temper
(B) To abide by the Constitution
(C) To vote in elections
(D) To safeguard public property

86. What should come in place of question mark (?) in the following number series?

1, 9, 25, 49, 81, ?, 169

- (A) 64
- (B) 98
- (C) 100
- (D) 121

87. In a group of dogs and ducks, the number of legs are 24 more than twice the number of heads. What is the number of dogs in the group?

- (A) 12
- (B) 10
- (C) 8
- (D) 6

88. The least number by which if we multiply 11760, we get a perfect square, is

- (A) 2
- (B) 3
- (C) 5
- (D) None of the above

89. An employer pays ₹ 20 for each day a worker works and forfeits ₹ 3 for each day he is idle. At the end of 60 days, a worker gets ₹ 280. For how many days did the worker remain idle?

- (A) 28
- (B) 40
- (C) 52
- (D) 60

90. The average marks obtained by a class of 60 students is 65. The average marks of half of the students is found to be 85. The average marks of the remaining students is

- (A) 35
- (B) 45
- (C) 55
- (D) 65

91. Mr. Andy's age is 120% of his wife Mary's age. They have two children. The average age of the family is 20 years. If Mary's age is 25 years, what is the average age of both the children?

- (A) $12\frac{1}{2}$ years
- (B) 13 years
- (C) $14\frac{1}{2}$ years
- (D) 15 years

92. In a big garden, 60% of the trees are coconut trees, 25% of the number of coconut trees are mango trees and 20% of the number of mango trees are apple trees. If the number of apple trees are 1500, then the number of trees in the garden is

- (A) 48000
- (B) 50000
- (C) 51000
- (D) 45000

93. Sheena starts work as a sales representative on an annual salary of ₹ 1,60,000. If she receives 15% pay-rise each year, the number of years she has worked for the company, when her annual salary became ₹ 2,79,841, is
 (A) 2 (B) 3
 (C) 4 (D) 5
94. A father left a will of ₹ 68,000 to be divided between his two sons aged 10 years and 12 years such that they may get equal amount when each attains the age of 18 years. If the money is reckoned at 10% p.a., find how much each gets at the time of the will.
 (A) ₹ 30,000, ₹ 38,000
 (B) ₹ 28,000, ₹ 40,000
 (C) ₹ 32,000, ₹ 36,000
 (D) Cannot be determined
95. The ratio between Gloria's and Sara's present age is 4 : 7 respectively. Two years ago the ratio between their ages was 1 : 2 respectively. What will be Sara's age three years hence?
 (A) 17 years
 (B) 14 years
 (C) 11 years
 (D) 8 years
96. 8 men and 4 women together can complete a piece of work in 6 days. The work done by a man in one day is double the work done by a woman in one day. If 8 men and 4 women started working and after 2 days 4 men left and 4 new women joined, in how many more days will the work be completed?
 (A) 5 (B) 8
 (C) 6 (D) 4
97. A boat travels upstream from B to A and downstream from A to B in 3 hours. If the speed of the boat in still water is 9 km/hr and the speed of the current is 3 km/hr, the distance between A and B is
 (A) 4 km
 (B) 8 km
 (C) 6 km
 (D) 12 km
98. A number consists of two digits such that the digit in the ten's place is less by 2 than the digit in the unit's place. Three times the number added to $\frac{6}{7}$ times the number obtained by reversing the digits equals 108. The sum of digits in the number is
 (A) 8
 (B) 9
 (C) 6
 (D) 7
99. A circle and a rectangle have the same perimeter. The sides of the rectangle are 18 cm and 26 cm. What is the area of the circle?
 (A) 88 cm²
 (B) 154 cm²
 (C) 616 cm²
 (D) 1256 cm²
100. A passage 12 m long, 3 m high and 4 m wide has two doors of 2.5 m by 1.5 m and a window of 2 m by 0.60 m. The cost of painting the walls and ceiling at ₹ 15 per sq. m is
 (A) ₹ 1,023
 (B) ₹ 2,029.50
 (C) ₹ 243
 (D) ₹ 1,635

PART—C : MATHEMATICS

(Marks : 100)

Each question carries 2 marks :

- 101.** Which of the following is always odd?
(A) Sum of two odd numbers
(B) Difference of two odd numbers
(C) Product of two odd numbers
(D) None of the above
- 102.** The least prime is
(A) 0 (B) 1
(C) 2 (D) 3
- 103.** The sum of the first 45 natural numbers is
(A) 1035 (B) 1280
(C) 2070 (D) 2140
- 104.** The difference between the squares of two consecutive odd integers is always divisible by
(A) 3 (B) 6
(C) 7 (D) 8
- 105.** $397 \times 397 + 104 \times 104 + 2 \times 397 \times 104 = ?$
(A) 250001 (B) 251001
(C) 260101 (D) 261001
- 106.** How many terms are there in 2, 4, 8, 16, ..., 1024?
(A) 8 (B) 9
(C) 10 (D) 11
- 107.** $587 \times 999 = ?$
(A) 586413 (B) 587523
(C) 614823 (D) 615173
- 108.** The least number which must be subtracted from 6709 to make it divisible by 9 is
(A) 2 (B) 3
(C) 4 (D) 5
- 109.** Reduce $\frac{1095}{1168}$ to its lowest form.
(A) $\frac{13}{16}$ (B) $\frac{15}{16}$
(C) $\frac{17}{26}$ (D) $\frac{25}{26}$
- 110.** The highest common factor of 36 and 84 is
(A) 4 (B) 6
(C) 12 (D) 18
- 111.** Which of the following is a pair of coprimes?
(A) (16, 32) (B) (18, 25)
(C) (21, 35) (D) (23, 92)
- 112.** The LCM of 22, 54, 108, 135 and 198 is
(A) 330 (B) 1980
(C) 5940 (D) 11880
- 113.** The ratio of two numbers is 3 : 4 and their HCF is 4. Their LCM is
(A) 12 (B) 16
(C) 24 (D) 48
- 114.** Which of the following fractions is the smallest?
(A) $\frac{7}{8}$ (B) $\frac{13}{16}$
(C) $\frac{31}{40}$ (D) $\frac{63}{80}$
- 115.** $\frac{1}{0.04}$ is equal to
(A) $\frac{1}{40}$ (B) $\frac{2}{5}$
(C) 2.5 (D) 25

116. If $\frac{144}{0.144} = \frac{14.4}{x}$, then the value of x is

- (A) 0.0144 (B) 1.44
(C) 14.4 (D) 144

117. The value of $0.5\bar{7}$ is

- (A) $\frac{57}{10}$ (B) $\frac{57}{99}$
(C) $\frac{26}{45}$ (D) $\frac{52}{9}$

118. If $1.5x = 0.04y$, then the value of

$\frac{y-x}{y+x}$ is

- (A) $\frac{730}{77}$ (B) $\frac{73}{77}$
(C) $\frac{7.3}{77}$ (D) $\frac{0.73}{77}$

119. $2 - [2 - \{2 - 2(2 + 2)\}]$ is equal to

- (A) -4
(B) 4
(C) 6
(D) None of the above

120. $\frac{1}{2\frac{1}{3}} + \frac{1}{1\frac{3}{4}}$ is equal to

- (A) $\frac{7}{14}$
(B) $\frac{12}{49}$
(C) $4\frac{1}{12}$
(D) None of the above

121. The difference of $1\frac{3}{16}$ and its reciprocal is

- (A) $1\frac{1}{8}$
(B) $\frac{4}{3}$
(C) $\frac{15}{16}$
(D) None of the above

122. If $a * b$ means $\frac{ab}{a+b}$, then the value of $3 * (3 * (-1))$ is

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

123. If $\frac{a}{3} = \frac{b}{4} = \frac{c}{7}$, then the value of $\frac{a+b+c}{c}$ is

- (A) $\frac{1}{7}$ (B) 2
(C) $\frac{1}{2}$ (D) 7

124. How many pieces of 85 cm length can be cut from 42.5 m long wire?

- (A) 30
(B) 40
(C) 60
(D) None of the above

125. What fraction of an hour is 120 seconds?
- (A) $\frac{1}{12}$ (B) $\frac{1}{120}$
 (C) $\frac{1}{30}$ (D) $\frac{1}{300}$
126. If $\sqrt{1 + \frac{x}{144}} = \frac{13}{12}$, then the value of x is
- (A) 1 (B) 3
 (C) 25 (D) 7
127. If $x = 1 + \sqrt{2}$ and $y = 1 - \sqrt{2}$, then the value of $x^2 + y^2$ is
- (A) 6 (B) $4\sqrt{2}$
 (C) 2 (D) $2\sqrt{2}$
128. $\left[\sqrt{\frac{225}{729}} - \sqrt{\frac{25}{144}} \right] \div \sqrt{\frac{16}{81}} = ?$
- (A) $\frac{5}{16}$
 (B) $\frac{5}{48}$
 (C) $\frac{1}{48}$
 (D) None of the above
129. $\left(\sqrt{3} - \frac{1}{\sqrt{3}} \right)^2$ is equal to
- (A) $\frac{4}{3}$ (B) $\frac{2}{3}$
 (C) $\frac{3}{4}$ (D) $\frac{2}{\sqrt{3}}$
130. The least number by which 5808 should be multiplied so that the product becomes the perfect square is
- (A) 2 (B) 3
 (C) 7 (D) 11
131. If $x = 7 - 4\sqrt{3}$, then the value of $x + \frac{1}{x}$ is
- (A) $3\sqrt{3}$ (B) $8\sqrt{3}$
 (C) 14 (D) $14 + 8\sqrt{3}$
132. The average of the first nine prime numbers is
- (A) 9 (B) 11
 (C) $11\frac{1}{9}$ (D) $11\frac{2}{9}$
133. The average of seven consecutive numbers is 20. The largest number is
- (A) 20 (B) 23
 (C) 25 (D) 27
134. If one-third of one-fourth of a number is 15, then three-tenths of that number is
- (A) 54 (B) 45
 (C) 36 (D) 35
135. Find the number which when multiplied by 15 is increased by 196.
- (A) 12 (B) 14
 (C) 20 (D) 24
136. The sum of two numbers is 22. Five times of one number is equal to 6 times the other. The bigger of the two is
- (A) 10 (B) 12
 (C) 15 (D) 16
137. A is 40 years old and B is 60 years old now. How many years ago was the ratio of their ages 3 : 5?
- (A) 5 years (B) 10 years
 (C) 20 years (D) 30 years

138. The ratio of the present ages of two persons is 1 : 2 and five years back, the ratio was 1 : 3. What will be the ratio of their ages after five years hence?
 (A) 1 : 4 (B) 2 : 3
 (C) 3 : 5 (D) 5 : 6
139. The value of $\left(-\frac{1}{216}\right)^{-\frac{2}{3}}$ is
 (A) 36 (B) -36
 (C) $\frac{1}{36}$ (D) $-\frac{1}{36}$
140. If $\left(\frac{a}{b}\right)^{x-1} = \left(\frac{b}{a}\right)^{x-3}$, then the value of x is
 (A) $\frac{1}{2}$ (B) 1
 (C) 2 (D) $\frac{7}{2}$
141. $\left(\frac{x^a}{x^b}\right)^{a+b} \left(\frac{x^b}{x^c}\right)^{b+c} \left(\frac{x^c}{x^a}\right)^{c+a}$ is equal to
 (A) 0 (B) x^{a+b+c}
 (C) x^{abc} (D) 1
142. The calendar of the year 2005 is the same as of the year
 (A) 2010 (B) 2011
 (C) 2012 (D) 2013
143. 63% of $3\frac{4}{7}$ is
 (A) 2.25 (B) 2.40
 (C) 2.50 (D) 2.75
144. If 88% of 370 + 24% of 210 - $x = 118$, then x is equal to
 (A) 256 (B) 258
 (C) 268 (D) 358
145. If $a\%$ of b is same as $\frac{4}{5}$ of 80, then ab is
 (A) 320
 (B) 400
 (C) 640
 (D) None of the above
146. A buys 70 kg of potatoes for ₹ 420 and sells the whole lot at the rate of ₹ 6.50 per kg. What will be the gain percent?
 (A) $4\frac{1}{6}\%$ (B) $6\frac{1}{4}\%$
 (C) $8\frac{1}{3}\%$ (D) 20%
147. The ratio of the cost price and the selling price is 4 : 5. The profit percent is
 (A) 10%
 (B) 20%
 (C) 30%
 (D) None of the above
148. If $\frac{1}{5} : \frac{1}{x} :: \frac{1}{x} : \frac{1}{1.25}$, then the value of x is
 (A) 1.5 (B) 2
 (C) 2.5 (D) 3.5
149. A man completes $\frac{5}{8}$ of a job in 10 days. At this rate, how many more days will he take to finish the job?
 (A) 5 days (B) 6 days
 (C) 7 days (D) $7\frac{1}{2}$ days
150. Three persons are walking from A to B and the ratio of their speeds is 4 : 3 : 5. The time ratio of their speeds to reach B is
 (A) 4 : 3 : 5 (B) 5 : 3 : 4
 (C) 15 : 9 : 20 (D) 15 : 20 : 12