

ESIC Model Paper as per Exam Pattern

Reasoning Ability

1. Arrange the following words according to dictionary -

(i) Translator (ii) Transmeter (iii) transistor (iv) Transfere (v) Transformer.

- (A) I, II, IV, III, V
(B) II, I, III, V, IV
(C) IV, V, III, I, II
(D) IV, III, II, V, I

2. If in a certain code language 'Red' is called 'Black', 'Black' is called 'Yellow', Yellow is called 'Blue' and 'Blue' is called whit, then which is the colour of Turmeric?

- (A) Black (B) Yellow (C) Blue (D) White

3. In the following questions, three/four out of the four/five alternatives are in a certain way and so form a group. Find the odd one that does not belong to that group.

- (A) BEHK (B) CFIL (C) DGJM (D) ORTW

Direction – in question no. 4 & 5 a statement is given followed by two conclusions 1 & 2. You have to consider the statement to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement

4 **STATEMENT:** Good voice is a natural gift but one has to keep practicing to improve and excel well in the field of music

CONCLUSION:

1. Natural gifts needs nurturing and care
2. Even though your voice is not good, one can keep practicing.

- (a) Only conclusion 1 follows
(b) Only conclusion 2 follows
(c) both conclusions 1 & 2 follows
(d) Neither conclusion 1 nor 2 follows

5. **STATEMENT:** All good athletes win. All good athletes eat well

CONCLUSION:

1. All those who eat well are good
2. All those who win eat well.
(a) Only conclusion 1 follows
(b) Only conclusion 2 follows
(c) Both conclusions 1 & 2 follows
(d) Neither conclusion 1 nor 2 follows

6. Which of the set of letters when sequentially placed at the gaps in the given letter series shall complete it?

- W _ W _ _ _ X _ Z
(A) VVXYZY (B) WXXYWY
(C) XXUVW (D) VXXYZY

7. Pointing to a woman, Sudesh said, "she is the daughter of my grandfather's only daughter". How Sudesh is related to that woman?

- (A) Brother (B) Uncle (C) Cousin (D) Son

8. In a North facing children's row Shweta is left to 15th and Jyoti is left to 3rd Shweta. Ram is right to 7th from Jyoti and rith 5th to last end. What is the rank of Shweta from right end?

- (A) 12th (B) 10th (C) 8th (D) 9th

9. Age of Nareen is equal to Nawal, Nakul is younger than Nareen, Priya is younger than Bablu but elder than Nawal. Who is the eldest of all?

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- (A) Nareen (B) Nawal
(C) Nakul (D) Bablu

10. In following question a matrix of certain character is given. These characters follow a certain trend, row-wise or column-wise. Find out this trend and choose the missing character from the given alternatives

7	9	21	27
4	2	36	18
9	4	54	?

- (a)18 (b)24 (c)36 (d)58

DIRECTION: (Q11-19) select the related letter/word/number from the given alternatives

11. Anemia: Blood :: Anarchy : ?

- (a)Lawlessness (b) Government (c) Monarchy
(d)Disorder

12. Andaman& Nicobar : Port Blair :: Lakshadweep : ?

- (a) Kavaratti (b) Daman (c)Pondicherry (d)
Silvassa

13. Jungle : Zoo :: Sea : ?

- (a) Aquarium (b) Harbour (c) Water
(d) Fishery

14. ARSO : ZSRP :: NRTC : ?

- (a) MSCD (b) MSSD (c) MSSC (d) MRRD

15. IRTH : HQSG :: ? : RQPO

- (a)QPON (b) PQRO (c) OPQR (d) SRQP

16. MKQO : LNPR :: ? : XVTZ

- (a) YSUW (b) SVWY (c) VTWY (d) WYTS

17. 24 : 60 :: 120 : ?

- (a) 160 (b) 220 (c) 300 (d) 108

18. ? : 63 :: 08 : 26

- (a) 12 (b) 9 (c) 18 (d) 15

19. 45 : 9 :: 94 : ?

- (a)10 (b)17 (c)14 (d)13

DIRECTION(Q 20-28)find the odd word/number/letters/word or number pair from the given alternatives

20. (a)Tsangpo (b)Hazaribagh (c)Kanha
(d)Bandipur

21. (a)Ladder (b)Staircase (c)Bridge
(d)Escalator

22. (a)Panaji (b)Bhopal (c)Pune (d)Shillong

23. (a) Sugarcane (b) Coffee (c) Tobacco
(d) Rice

24. (a) Yuri Gagarin (b) Rakesh Sharma (c) Neil
Armstrong (d) Edmund Hilliary

25. (a) SSTO (b) OOTU (c) TTOU (d) USTO

26. (a) UTSR (b) IHGE (c) NMLK (d) SRQP

27. (a) 120-90 (b) 106-36 (c) 76-46 (d) 86-56

28. (a) 392 (b) 326 (c) 414 (d) 248

29. Arrange the following words as per order in dictionary

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1-Brook, 2-Bandit, 3-Boisterous, 4-Baffle, 5-Bright

(a) 2,4,3,1,5 (b) 2,4,3,5,1 (c) 4,2,3,1,5 (d) 4,2,3,5,1

30. From the following words which word will come at the third place as per order in dictionary Repeat, Replete, Replicate, Rest

(a) Repeat (b) Replete (c) Replicate (d) Rest

31. Arrange the following in meaningful sequence of words

1-foetus, 2-child, 3-baby, 4-adult, 5-youth

(a) 1,2,4,3,5 (b) 1,3,2,5,4 (c) 2,3,5,4,1 (d) 5,4,2,3,1

DIRECTION (Q32-36): choose the correct alternative from the given one that will complete the series

32. bca...b...aabc...a...caa

(a) acab (b) bcbb (c) cbab (d) ccab

33. 15,23,33,45,59,?

(a) 75 (b) 80 (c) 70 (d) 74

34. 18, 54, 162, 486, 1458, ?

(a) 39366 (b) 4374 (c) 2187 (d) 13122

35. AB, DEF, HIJK, ?, STUVWX

(a) LMNO (b) LMNOP (c) MNOPQ (d) QRSTU

36. AZ, CX, FU, ?

(a) IR (b) IV(c) JQ (d) KP

37. Find the wrong number in the series

8, 14, 26, 48, 98, 194, 386

(a) 14 (b) 98 (c) 48 (d) 194

38. Pointing to a photograph a man said "I have no brother or sister but that man's father is my father's son". Whose photograph was it ?

(a) his own (b) his son's (c) his father's (d) his nephew's

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

(a) 100 (b) 104 (c) 108 (d) none of these

40. From the following alternatives, select the word which cannot be formed using the letters of the given word: LIBERATIONIST

(a) BITTERN (b) SERIAL (c) LIBERAL (d) RELATION

41. If in a code, MIND becomes KGLB and ARGUE becomes YPESC, then what will DIAGRAM be in that code

(a) BGYEPYK (b) BGYPYEK (c) GLPEYKB (d) LKBGYPK

42. If ZEBRA can be written as 2652181, how can COBRA be written?

(a) 302181 (b) 3152181 (c) 31822151 (d) 1182153

43. $9 \times 8 \times 7 = 876$ $6 \times 4 \times 2 = 531$

$8 \times 5 \times 3 = ?$

(a) 572 (b) 647 (c) 741 (d) 742

44. If + means \times , \times means $-$, \div means $+$, and $-$ means \div , then which of the following gives the result of $175 - 25 \div 5 + 20 \times 3 + 10$?

(a) 77 (b) 160 (c) 240 (d) 2370

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45. If today is Friday, what will be the day after 94 days?

(A) Thursday (B) Tuesday (C) Wednesday (D) Sunday

46. Which of the symbol should be exchanged to make the given equation correct?

$$72 \div 4 \times 13 - 19 = 858$$

(A) \div and \times (B) \div and $+$ (C) \times and $+$ (D) $+$ and $-$

47. From the given alternatives select the word which can not be formed using the letters given in the word.

JUXTAPOSITION

(A) TAXI (B) TOXIC (C) SPOT (D) POST

48. A man is facing north-west. He turns 90° in the clockwise direction and then 135° in the anticlockwise direction. Which direction is he facing now?

(a) east (b) west (c) north (d) south

49. A man walks 30 metres towards south. Then, turning to his right, he walks 30metres. Then turning to his left, he walks 20 metres. Again, he turns to his left and walks 30 metres. How far is he from his initial position?

(a) 20 (b) 30 (c) 60 (d) 50

50. Select the related word/letter/number from the given alternative.

Thermometer: Temperature: : Seismograph: ?

(A) Rain (B) Tide (C) Earthquake
(D) Moisture

English

Directions: In Questions No. 51 to 55, a sentence / a part of the sentence are underlined. Below are given alternatives to the underlined part at (A), (B), (C) which may improve the sentence. Choose the correct alternative. In case of no improvement is needed your answer is (D). Mark your answer in the Answer Sheet.

51. Hitler was an absolute potentate.

(A) dictator (B) militant (C) ruler (D) No improvement

52. Having completion of the course, the students left the college.

(A) On completion of (B) In order to complete
(C) Down the completion (D) No improvement

53. Will you please give me a warm glass of water?

(A) Will you please give me a glass of warm water?
(B) Will you please give I a glass of warm water?
(C) Will you please give I a warm glass of water?
(D) No improvement

54. They presented him a beautiful expensive designer gold pen.

(A) an expensive designer beautiful gold
(B) a beautiful gold expensive designer
(C) a designer gold beautiful expensive

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(D) No improvement

55. Boil the potatoes and then crush it until soft.

- (A) knead it
- (B) smash it
- (C) mash it
- (D) No improvement

Directions: In Questions No. 6 to 10, out of the four alternatives, choose the one which can be substituted for the given words/ sentences

56. Animals that eat flesh

- (A) Herbivorous (B) Insectivorous
- (B) (C) Carnivorous (D) Omnivorous

57. A fictitious name especially one assumed by an author

- (A) Nick name (B) Pseudony
- (B) (C) Sobriquet (D) Pet name

58. A speech delivered without any preparation

- (A) Temporary (B) Exemplary
- (B) (C) Extempore (D) Contemporary

59. Animals which suckle their young

- (A) Herbivores (B) Mammals
- (B) (C) Carnivores (D) Omnivores

60. A drug or other substance that induces sleep

- (A) Reviver (B) Stimulant
- (B) (C) Sedative (D) Energic

Directions: In Questions No. 11 to 15, four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word and mark your answer in the Answer Sheet.

61. (A) Ubiquitous (B) Ubequitou
(C) Ubiquitous (D) Ubequitus

62. (A) Plaeing (B) Plannin
(C) Planinng (D) Planing

63. (A) Exenerate (B) Exonarate
(C) Exonerate (D) Exanrate

64. (A) Noticable (B) Noticible
(C) Noticeible (D) Noticeable

65. (A) Bilieve (B) Believe
(C) Beleeve (D) Beleive

Directions: In Questions No. 16 to 25, in the following passage some of the words have been left out. Read the passage carefully and choose the correct answer to each question out of the four alternatives and fill in the blanks.

No child is 16 spoiled child by birth. It is 17 family conditions and circumstances 18 which a child grows 19 soil him. It is a common experience that a 20 wanted child 21 his parents is more prone to 22 spoiled. Such a child becomes arrogant and insolent 23 of the overindulgence and over protection of the parents. Sometimes it 24 seen that a 25 child also tends to become a nuisance.

66. (A) them (B) the
(C) a (D) an

67. (A) a (B) the
(C) an (D) them

68. (A) at (B) an
(C) over (D) under

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69. (A) those (B) this
(C) that (D) these

70. (A) much (B) more
(C) little (D) less

71. (A) off (B) for
(C) of (D) in

72. (A) become (B) becoming
(C) becomes (D) became

73. (A) so (B) and
(C) why (D) because

74. (A) is (B) are
(C) was (D) were

75. (A) neglects (B) neglecting
(C) neglected (D) neglect

Directions: In Questions No. 26 to 30, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error and blacken the oval corresponding to the appropriate letter (A, B, C). If a sentence is free from error, blacken the oval corresponding to (D) in the Answer Sheet.

76. Paradise lost (A)/ is (B)/ a epic poem. (C)/ No Error (D)

77. After toiling very hardly (A)/ over a long period of time (B)/ he found that he had net no profit at all. (C)/ No Error (D)

78. Excuse (A)/ me (B)/ interrupting you. (C)/ No Error (D)

79. At this time of the year (A)/ the mountains are (B)/ usually covered with ice. (C)/ No Error (D)

80. One of my friends (A)/ are (B)/ an I.A.S. officer. (C)/ No Error (D)

Directions: In Questions No. 31 to 35, sentences are given with blanks to be filled in with an appropriate word (s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it by blackening the appropriate oval in the Answer Sheet.

81. This man was an accomplice the thief.

(A) of (B) in
(C) with (D) from

82. The sick units are detached the main group of companies.

(A) off (B) from
(C) with (D) by

83. She had always hoped that her daughter would become doctor.

(A) an (B) the
(C) a (D) none of these

84. Let me congratulate you your success.

(A) at (B) on
(C) for (D) with

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85. Due to heavy rains water had low lying areas.

(A) gathered (B) stagnated

(C) assembled (D) entered

Directions: In Questions No. 36 to 40, choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

86. Effeminate

(A) Feminine (B) Soft

(C) Manly (D) Androgynous

87. Hostile

(A) Helpful (B) Friendly

(C) Joyful (D) Violent

88. Paucity

(A) Paragon (B) Pronounce

(C) Plethora (D) Persuade

89. Equilibrium

(A) Composure (B) Imbalance

(C) Stability (D) Inequality

90. Reprimanded

(A) Rebuked (B) Praised

(C) Admonished (D) Shouted

Directions: In Questions No. 41 to 45, out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

91. Epidemic

(A) Endemic (B) Local

(C) Widespread (D) Natural

92. Retaliate

(A) Pardon (B) Corrupt

(C) Rejoice (D) Avenge

93. Compensate

(A) Complete (B) Result in

(C) Make up for (D) Compile

94. Quicken

(B) Accelerate (B) Stop

(C) Delay (D) Hinder

95. Transient

(B) Temporary (B) Durable

(C) Timely (D) Transparent

Directions: In Questions No. 46 to 50, four alternatives are given for the Idiom/ Phrase underlined, choose the meaning of the Idiom/ Phrase from the alternatives given and mark it in the Answer Sheet.

96. Deepak did not care for his family; he wanted to gather roses only.

(A) to obtain fame by hard work

(B) to paint a rosy picture of the past

(C) to save money miserly

(D) to seek all enjoyments of life

97. To feather one's nest

(A) To get something in abundance

(B) To build one's house

(C) To harbour ill feelings

(D) To enrich oneself when opportunity occurs

98. A close fisted person

(A) A cowardly person

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- (B) A close friend
- (C) A miser
- (D) A powerful person

99. I want to tell you in nutshell, lust for money and power ruined her life.

- (A) to tell as objectively as possible
- (B) in detail
- (C) confidentially

100. Our school is within a stone's throw of the railway station.

- (A) very far off
- (B) within a definite distance
- (C) at a short distance
- (D) within a certain radius

- (C) 88 kg
- (D) 78 kg

104. A starts a business with Rs. 2000. B joins him after 3 months with Rs. 4000. C puts a sum of Rs. 5000 in the business for 4 months only. At the end of year, the business gave a profit of Rs. 8000. Find out the profit of C.

- (A) Rs. 2400
- (B) Rs. 3600
- (C) Rs. 2000
- (D) Rs. 2800

105. If the price is increased by 10% and the sale is decreased by 5%, then what will be the effect on income?

- (A) Increases by 5%
- (B) Decreases by 5.3%
- (C) Increases by 4.5%
- (D) Decreases by 4.5%

Quantitative Aptitude

101. A man bought a cycle for Rs. 250. For how much should he sell it so as to gain 12%?

- (A) 282
- (B) 292
- (C) 272
- (D) 280

102. The greatest number of four digits which is divisible by 15, 25, 40 and 75 is

- (A) 9600
- (B) 9000
- (C) 9800
- (D) 9400

103. The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of new person?

- (A) 75 kg
- (B) 85 kg

106. What sum of money will amount to 520 Rs/- in 5 yrs and to 568 Rs/- in 7 yrs. at simple interest?

- (A) 400 Rs/-
- (B) 120 Rs/-
- (C) 510 Rs/-
- (D) 220 Rs/-

107. The average weight of three men A,B,C is 84 kg. D joins them and average weight of the four becomes 80 kg. If E whose weight is 3 kg more than that of D, replaces A, the average weight of B,C,D and E becomes 79 kg. Then the weight of A is-

- (A) 65 kg
- (B) 70 kg
- (C) 75 kg
- (D) 80 kg

108. The price of an article is raised by 30% and then two successive discounts, of 10% each are allowed. Ultimately the price of the article is-

- (A) 10% Ascending
- (B) 5.3% Ascending
- (C) 3% descending

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(D) 5.3% descending

109. The population of a town increases at the rate of 20% during the first year and it decreases at the rate at 20% during the second. If it has 59400 inhabitants two year ago-

- (A) 5800
- (B) 61875
- (C) 54500
- (D) 65900

110. Two numbers are 35% and 40% less than a 3rd number respectively by what percent is the 2nd number smaller than 1st one?

- (A) 41%
- (B) 8.9%
- (C) 27.6%
- (D) 7.7%

111. $19587 \times 736 + 264 \times 19587 = ?$

- (A) 16573500
- (B) 14865608
- (C) 19587000
- (D) 19857000

112. A and B can complete a piece of work in 18 and 12 days respectively. They start working together. After 3 days B left the work, in how many days A complete the remaining work?

- (A) 10.5
- (B) 13
- (C) 7
- (D) 7.5

113. A train can travel 50% faster than a car. Both start at same time and reach 75 km away at the same time. However on the way train stops for 12.5 minutes. Find the speed of car?

- (A) 150 kmph
- (B) 120 kmph
- (C) 100 kmph
- (D) 130 kmph

114. In the first 10 overs of a cricket game, the run rate was only 4.2. What should be the run rate in the remaining 40 overs to reach the target of 292 runs?

- (A) 6.25
- (B) 6.50
- (C) 6.75
- (D) 5.75

115. The ratio between the length and breadth of a park is 3 : 2. If a man cycling along the boundary of the park at the speed of 15 km/hr completes one round in 8 minutes then the length of park is-

- (A) 400 m
- (B) 700 m
- (C) 500 m
- (D) 600 m

116. Two pipes A and B can fill a tank in 38 min and 57 min respectively. How much time after opening both taps, The tap A should be turned off so that the tap B may take 12 min more to fill the tank?

- (A) 18 min
- (B) 12 min
- (C) 16 min
- (D) 15 min

117. A person saves every year 30% of his salary. If his salary increases 20% every year then by how much % does his saving increases every year?

- (A) 20%
- (B) 25%
- (C) 15%
- (D) 30%

118. A, B, C enter into a partnership by making investment into the ratio 4 : 9 : 11. After a year C invests another 2,20,000 Rs/- while A withdraw 1,80,000 Rs/-. Then the ratio of their investments changes to 16 : 72 : 148. How Much did A investments initially?

- (A) 3,60,000 Rs/-
- (B) 3,40,000 Rs/-

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- (C) 3,80,000 Rs/-
(D) 4,20,000 Rs/-

119. If each of side of a rectangular field is diminished by 60% .By how much % is the area of the field decreased?

- (A) 74%
(B) 84%
(C) 82%
(D) 86%

120. The difference between n the interior and exterior angles of a regular polygon is 140.Then, how many sides are there in that polygon?

- (A) 16
(B) 19
(C) 20
(D) 18

121. If $1^3 + 2^3 + 3^3 + \dots + 10^3 = 3025$ then find out the value of $2^3 + 4^3 + 6^3 + \dots + 20^3$?

- (A) 12100
(B) 9075
(C) 24200
(D) 6050

122. Find the product of LCM & HCF of numbers 38 and 18?

- (A) 684
(B) 774
(C) 784

(D) 874

123. Difference between two positive numbers is 3. If the sum of their squares are 369 then find out the sum of the numbers?

- (A) 33
(B) 27
(C) 43
(D) 23

124. Sum & Difference of two numbers are 27 and 3 respectively. Find out the product of numbers?

- (A) 150
(B) 180
(C) 176
(D) 186

125. 18 26 30 38 42 ? 54

- (A) 46
(B) 58
(C) 50
(D) 48

126. If the average of m number is n^2 and that of n number is m^2 , then the average of (m + n) numbers is-

- (A) m/n
(B) mn
(C) $m - n$
(D) $m + n$

127. A solid iron sphere of diameters 6 cm is melted and made to a hollow cylindrical pipe of external diameter 10 cm and of length 4 cm. The width of the sheet of pipe is-

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

128. If the volume of a sphere and a cylinder of equal radius are same, then ratio of the radius and height of the cylinder will be

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

129. In a division sum, the divisor is 10 times the quotient and 5 times the remainder. If the remainder is 40, then the dividend in-

- (A) 240
(B) 440
(C) 4040

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(D) 4000

130. The minimum value of $\cos^2\theta + \sec^2\theta$ is-

- (A) 0
- (B) 1
- (C) 3
- (D) 2

131. 20. If the difference between SI and CI for 2 years is 4 Rs. and Principal is 2500 Rs. then find out the rate of Interest?

- (A) 3%
- (B) 4%
- (C) 5%
- (D) 8%

132. The radius of hemisphere is 7 cm. find the total surface area of hemisphere?

- (A) 442
- (B) 462
- (C) 408
- (D) 168

133. A can do a piece of work in 10 days and B can do same piece of work in 5 days they start together two day B left the work then in how many days A complete the remaining work?

- (A) 3
- (B) 4
- (C) 2
- (D) 2.5

134. Sachin is younger than Ram by 2 years if their ages are in the respective ratio of 7 : 9, how old Ram is?

- (A) 14
- (B) 18
- (C) 27
- (D) 9

135. Simplify -

$$12.05 \times 5.4 \div 0.6 - .45$$

- (A) 118
- (B) 112
- (C) 108
- (D) 106

136. A and B can together finish a work in 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. The number of days in which the B alone can finish the work is-

- (A) 60
- (B) 50
- (C) 48
- (D) 54

137. Two trains, of same length, are running in parallel tracks in the same direction with speed 60 km/hr and 90 km/hr respectively. the latter completely crosses the former in 30 seconds. The length of each train (in meters) is-

- (A) 115
- (B) 250
- (C) 150
- (D) 100

138. LCM of two numbers is 2079 and their HCF is 27. If one of the number is 189, the other number is-

- (A) 216
- (B) 297
- (C) 584
- (D) 189

139. Rs. 180 contained in a box consists of one rupee, 50 paise and 25 paise coins in the ratio of 2:3:4 what is the number of 50 paise coins

- (A) 60
- (B) 120
- (C) 150
- (D) 160

140. Between two consecutive years my incomes are in the ratio of 2:3 and expenses are in the ratio 5:9 If my income in the second year is Rs. 45000

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and my expenses in the first year is Rs. 25000, my total saving for the two years is-

- (A) 0
- (B) Rs. 15000
- (C) Rs. 20000
- (D) Rs. 5000

141. The number of common tangents that can be drawn to two given intersecting circles is at the most-

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

142. A number divided by 68 gives a quotient 269, and remainder zero. If the same number is divided by 67 then remainder will be ?

- (A) 0
- (B) 1
- (C) 2
- (D) 6

143. A man B separately can do a piece of work in 9 and 15 days respectively. If they work on alternate days, starting with A, the work will complete in ?

- (A) 9 days
- (B) 10 days
- (C) 11 days
- (D) 12 days

144. A sum of money invested at compound interest amounts to Rs. 650 at the end of first years and 676 at the end of second years. The sum of money is ----

- (A) 650
- (B) 600
- (C) 625
- (D) 540

145. A boat goes 40 km upstream in 8 hours, and 36 km downstream in 6 hours. The speed of boat in still water is----

- (A) 5.5 km/hr

- (B) 6.5 km/hr
- (C) 7 km/hr
- (D) 6 km/hr

146. The diagonals of a rhombus are 30 cm and 40 cm long. What will be the side of the rhombus?

- (A) 25 cm
- (B) 30 cm
- (C) 20 cm
- (D) 35 cm

147. If the average of five consecutive even numbers is 26 then find the sum of first and last number?

- (A) 52
- (B) 50
- (C) 54
- (D) 56

148. Vessel A contains Acid & Water in 5 : 2 and vessel B contains Acid & Water in 8 : 5 then in which ratio both vessels A and B mixed to get a new mixture having the ratio of 9 : 4.

- (A) 7 : 2
- (B) 2 : 7
- (C) 7 : 4
- (D) 4 : 7

149. If product of two numbers is 2160 and their HCF is 6 then find the ratio of HCF to LCM?

- (A) 1 : 60
- (B) 60 : 1
- (C) 21 : 60
- (D) 60 : 21

150. If radius of circle is increased by 10% then find the percent increment in area of circle?

- (A) 10%
- (B) 11%
- (C) 20%
- (D) 21%

G. K. & G.S.

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151. Who can issue the writ of habeas corpus in India?

- (A) Supreme Court of India
- (B) The Union Cabinet
- (C) The President of India
- (D) High Courts & Supreme Court of India

152. Who wrote the famous book Geet Govind?

- (A) Ramdev
- (B) Jaidev
- (C) Krisnadev Rai
- (D) Vishakhadatta

153. Which is the the first Indian satellite launched by the USSR on 19th April 1975?

- (A) Bhaskar I
- (B) Aryabhata
- (C) Rohini I
- (D) Bhaskar II

154. Who is the only player who has been conferred with the Bharat Ratna?

- (A) Major Dhyanchand
- (B) Don Bradman
- (C) Sachin Tendulkar
- (D) Sania Mirza

155. Who discovered blood group?

- (A) Alexander Fleming
- (B) Louis Pasteur
- (C) Robert Schultz
- (D) Karl Landsteiner

156. Hunter Commission report is related to which of the following?

- (A) Primary education
- (B) Adult education
- (C) Higher education
- (D) Quality education

157. Velocity of light is maximum in ----

- (A) Solid
- (B) Liquid
- (C) Gas

(D) Vacuum

158. In-built memory of computer is

- (A) RAM
- (B) ROM
- (C) PROM
- (D) EROM

159. Ozone is an of oxygen

- (A) Isotope
- (B) Isomer
- (C) Allotrope
- (D) Isomorph

160. Which of the following is lacking in bryophytes?

- (A) Root
- (B) Stem
- (C) Leaves
- (D) All of these

161. Who has been recently appointed as the Prime Minister of Nepal?

- (A) Girija Prasad Koirala
- (B) Sushil Koirala
- (C) K P Sharma Oli
- (D) Ram Baran Yadav

162. Which Five-year plan gave emphasis on removal of poverty for the first time?

- (A) Third
- (B) Fourth
- (C) Fifth
- (D) Sixth

163. Who is the legal advisor to the Union government?

- (A) Solicitor General
- (B) Attorney General
- (C) Advocate General
- (D) Law Ministry

164. Sargasso Sea is charecterised by

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- (A) Very warm water
- (B) Very cold water
- (C) High saline water
- (D) Typical marine vegetation

165. Nights are cooler in the deserts than in the plains because

- (A) Sand radiates more quickly than the earth
- (B) Sand absorbs heat slowly than the earth
- (C) Sand absorbs heat more quickly than the earth
- (D) The sky remains clear most of the time

166. Potato is a modified form of

- (A) Root
- (B) Stem
- (C) Leaves
- (D) It is a tap root

167. The first non-citizen who has been awarded with Bharat Ratna was

- (A) Mother Teresa
- (B) Nelson Mandela
- (C) Annie Besant
- (D) Khan Abdul Gaffar Khan

168. How many public sector banks are there in the country?

- (A) 19
- (B) 27
- (C) 21
- (D) 31

169. Assembly elections in Bihar are taking place in October-November 2015. How many seats are there in Bihar Legislative Assembly?

- (A) 230
- (B) 243
- (C) 252
- (D) 324

170. A fuse wire is made of

- (A) An alloy of tin and aluminum
- (B) An alloy of tin and copper
- (C) An alloy of tin and lead

- (D) An alloy of nickel and chromium

171. A "want" become a "demand" only when it is backed by the

- (A) Desire to buy
- (B) Utility of the product
- (C) Necessity to buy
- (D) Ability to purchase

172. Many times we hear the word FII. What is the full form of FII?

- (A) Formal Investment in India
- (B) Foreign Investment in India
- (C) Fair Institutional Investment
- (D) Foreign Institutional Investment

173. Power, authority and responsibilities of Municipalities are listed in which one of the following Schedules of the Constitution of India?

- (A) Ninth
- (B) Tenth
- (C) Eleventh
- (D) Twelfth

174. A nautical mile is equal to

- (A) 1852 m
- (B) 2000 m
- (C) 1996 m
- (D) 2048 m

175. Which company will provide free Wi-Fi facility at 500 railway stations in India?

- (A) Facebook
- (B) BSNL
- (C) Bharti Airtel
- (D) Google

176. Where is the Headquarter of UNCTAD?

- (A) Paris
- (B) New York
- (C) Geneva
- (D) Washington D. C.

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177. Which Constitutional Amendment Act restricts the size of the Council of Ministers in State or Centre maximum to 15% of the total numbers of the Legislative Assemblies of that State or Parliament?

- (A) 91st
- (B) 92nd
- (C) 93rd
- (D) 90th

178. What do you understand from mixed economy?

- (A) Participation of all the three primary, secondary and tertiary sectors
- (B) Participation of domestic and foreign sectors
- (C) Participation of public and private sectors
- (D) Participation of only private sectors

179. McMohan Line is the boundary between which two countries?

- (A) India and Pakistan
- (B) Pakistan and China
- (C) Afghanistan and Pakistan
- (D) China and India

180. Who wrote the famous book "A Passage to India"?

- (A) E M Forster
- (B) Nirad C Chaudhuri
- (C) Vikram Seth
- (D) Gunnar Myrdal

181. Who has been awarded with the Nobel Prize 2015 for Economics?

- (A) Angus Deaton
- (B) Jean Tirole
- (C) Mohd. Yunus Khan
- (D) Paul Modrich

182. Which river is known as the Life Line of Madhya Pradesh ?

- (A) Ganga
- (B) Krishna
- (C) Godawari

(D) Narmada

183. Who is the Father of India's Space Programme?

- (A) Dr. A P J Abdul Kalam
- (B) Sir C V Raman
- (C) Vikram Sarabhai
- (D) Homi J Bhabha

184. Which of the following is not an ape?

- (A) Gorilla
- (B) Langur
- (C) Gibbon
- (D) Orangutan

185. Which of the following mosquito is the vector of dengue virus?

- (A) Male Aedes
- (B) Female Anopheles
- (C) Male Anopheles
- (D) Female Aedes

186. Gurushikhar is a / the

- (A) Another name of Nanda Devi
- (B) Another name of K2
- (C) Highest peak of Aravallis
- (D) Highest peak of Shivalik

187. Which country is the largest producer of milk in the world?

- (A) India
- (B) China
- (C) The USA
- (D) Brazil

188. Which electrolyte is used in the dry cell?

- (A) Nitric acid
- (B) Sulphuric acid
- (C) Distilled water
- (D) Ammonium chloride

189. Which of the following disease is caused by bacteria?

- (A) Mumps

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- (B) Tuberculosis
(C) Rabies
(D) Asthma

- (A) May 21
(B) June 21
(C) July 21
(D) July 1

190. Who was the founder of Brahmo Samaj?

- (A) Raja Ram Mohan Roy
(B) Swami Vivekanand
(C) Swami Dayanand Saraswati
(D) Ram Krishna Paramhans

196. The Tropic of Cancer does not pass through

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

191. Who was Sun-Yat-Sen?

- (A) First President of Singapore
(B) First Prime Minister of China
(C) First Prime Minister of Singapore
(D) First President of Chinese Republic

197. Which island is a part of the Australian State?

- (A) Santa Cruz Island
(B) Tasmania
(C) Loyalty Island
(D) New Guinea

192. The term "cue" is related to which of the following sport?

- (A) Billiards
(B) Baseball
(C) Boxing
(D) Polo

198. The concept of carbon credit originated from which one of the following?

- (A) G-8 Summit, Geneva
(B) Montreal Protocol
(C) Kyoto protocol
(D) Earth Summit, Rio de Janeiro

193. Who appoints the Judges of the Supreme Court and High Courts in India?

- (A) The President
(B) The Prime Minister
(C) National Judicial Appointments Commission
(D) Collegium headed by the Chief Justice of India

199. Where is Manas Sanctuary located?

- (A) Assam
(B) Uttarakhand
(C) Karnataka
(D) Jharkhand

194. Who has been appointed as the President of BCCI?

- (A) Shashank Manohar
(B) Sharad Pawar
(C) Ravi Shastri
(D) Sunil Gavaskar

200. Who is the only Indian player who had won individual gold medal in Olympic Games?

- (A) Mary Kom
(B) Sushil Kumar
(C) Gagan Narang
(D) Abhinav Bindra

195. On which date International Yoga Day was celebrated for the first time in 2015?

ESIC Answer Sheet

1	C	21	C	41	A	61	C	81	A	101	D	121	C	141	C	161	C	181	A
2	C	22	C	42	B	62	B	82	B	102	A	122	A	142	B	162	C	182	D
3	D	23	D	43	D	63	C	83	C	103	B	123	B	143	C	163	B	183	C
4	A	24	D	44	A	64	D	84	B	104	C	124	B	144	C	164	D	184	B

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5	D	25	D	45	B	65	B	85	B	105	C	125	C	145	A	165	A	185	D
6	B	26	B	46	C	66	C	86	D	106	A	126	B	146	A	166	B	186	C
7	C	27	B	47	B	67	B	87	A	107	C	127	A	147	A	167	D	187	A
8	D	28	A	48	B	68	D	88	C	108	B	128	C	148	A	168	B	188	D
9	D	29	D	49	D	69	C	89	B	109	B	129	C	149	A	169	B	189	B
10	B	30	C	50	C	70	A	90	B	110	D	130	D	150	D	170	C	190	A
11	B	31	B	51	B	71	C	91	C	111	C	131	B	151	D	171	D	191	D
12	A	32	A	52	A	72	A	92	A	112	A	132	B	152	B	172	D	192	A
13	A	33	A	53	A	73	D	93	C	113	B	133	B	153	B	173	D	193	D
14	B	34	B	54	A	74	A	94	B	114	A	134	D	154	C	174	A	194	A
15	D	35	C	55	C	75	C	95	A	115	D	135	C	155	D	175	D	195	B
16	A	36	C	56	C	76	C	96	D	116	A	136	A	156	A	176	C	196	D
17	C	37	C	57	B	77	A	97	D	117	A	137	B	157	D	177	A	197	B
18	D	38	B	58	C	78	C	98	C	118	A	138	B	158	B	178	C	198	C
19	D	39	B	59	B	79	D	99	D	119	B	139	B	159	C	179	D	199	A
20	A	40	C	60	C	80	B	100	C	120	D	140	D	160	D	180	A	200	D

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