PART 'A': General Knowledge

9. Choose the correct option that would complete the sentence.
   Each child ____________ a gift.
   A) receives  B) was receive  C) receive  D) will be receive

10. Choose the correct superlative form of the given adjective - 'wealthy':
    A) Wealthier  B) Wealthiest  
    C) More wealthier  D) Most wealthiest

11. 'Oh, how hot it is !
    This is an _________ sentence.
    A) Imperative  B) Assertive  C) Exclamatory  D) Interrogative

12. Choose the correct meaning of the word 'bona fide'.
    A) Totally  B) a Spoken Examination  
    C) Genuine  D) a Summary

13. The famous national song 'Vande Mataram' was written by
    A) Bankim Chandra Chatterji  B) Rabindranath Tagore  
    C) Kamala Das  D) Sarojini Naidu

14. Choose the correct passive form of the sentence:
    "They are mending the road".
    A) The road was being mended  B) The road has been mended  
    C) The road was mended by them  D) The road is being mended

15. Choose the correct option:
    The albatross is a
    A) Snake  B) Sea-bird  C) Volcano  D) Mountain
16. Three angles of a triangle are \(x + 5\), \(x + 10\) and \(x + 15\). Find \(x\)
A) 30°
B) 60°
C) 50°
D) 30°

17. The range of 10 first prime numbers is 2, 3, 5, 7, 11, 13, 17, 19, 23 and 29
A) 23
B) 29
C) 27
D) 21

18. Find the two numbers whose sum is 27 and product is 182
A) 15, 14
B) 16, 12
C) 18, 13
D) 13, 14

19. Which of the following curves does not pass through the origin?
A) \(y = x^3 + 1\)
B) \(y^2 = 2x^2\)
C) \(y = x^3\)
D) \(a^2y^2 = x^2 (a^2 - x^2)\)

20. The remainder when \(x^3 + x^2 - 7x - 3\) is divided by \(x - 3\) is
A) 12
B) 14
C) 5

21. If \(A = \begin{pmatrix} 1 & -2 & 3 \end{pmatrix}\) and \(B = \begin{pmatrix} 2 \\ -3 \end{pmatrix}\) then \(A + B =\)
A) \(\begin{pmatrix} 0 \\ 0 \end{pmatrix}\)
B) \(\begin{pmatrix} 0 \\ 0 \end{pmatrix}\)
C) \(-14\)
D) Not defined

22. If \(7, 3, (6, 1), (8, 2)\) and \((P, 4)\) are the vertices of a parallelogram taken in order then the value of \(P\) is
A) 7
B) 6
C) 8
D) 9

23. Light year is the Unit of
A) Frequency
B) Distance
C) Energy
D) Time
24. The resistance of an ideal ammeter is
   A) Small
   B) Zero
   C) Infinite
   D) Very high

25. The polarising angle for glass is
   A) 32.5°
   B) 57.5°
   C) 90°
   D) 45°

26. An object is placed between two parallel plane mirrors, the number of images observed will be
   A) 2
   B) 4
   C) 6
   D) Infinite

28. Which of the following physical quantities has no dimension?
   A) Force
   B) Momentum
   C) Impulse
   D) Angle

29. The lightest gas which is non-inflammable is
   A) Helium
   B) Hydrogen
   C) Nitrogen
   D) Argon

30. Which has maximum ionisation energy?
   A) Alkali metals
   B) Alkaline earth metals
   C) Halogens
   D) Noble gases

31. Gram molecular mass of water
   A) 16
   B) 2
   C) 12
   D) 18

32. The valency of carbon
   A) 6
   B) 12
   C) 4
   D) 1
33. Sulphur drugs are prepared from
A) Methyamine  B) Aniline  C) Benzylamine  D) N-N-di methyl amine

34. de-Broglie equation is
A) $\lambda = \frac{mv}{h}$  B) $\lambda = \frac{h}{mv}$  C) $\lambda = \frac{hv}{m}$  D) $\lambda = \frac{h}{mv}$

35. Unicellular plants found floating in oceans and freshwater are called
A) Algae  B) Zooplanktons  C) Phytoplanktons  D) Epiphytes

36. Amphibians of plant kingdom are called as
A) Bryophytes  B) Algae  C) Pteridophytes  D) Gymnosperms

37. The mango fruit is called as stone fruit, because it has
A) Skinny epicarp  B) Stony mesocarp  C) Fleshy endocarp  D) Hard endocarp

38. The vascular bundles are 'skull shaped' in
A) Dicot root  B) Monocot root  C) Dicot stem  D) Monocot stem

39. Complete oxidation of one molecule of glucose yields
A) 38 ATP  B) 36 ATP  C) 35 ATP  D) 2 ATP

40. The root pockets are present instead of root caps in
A) Utricularia  B) Eichhornia  C) Hydrilla  D) Lymnophylla

41. What is the name for the permanent birth control method in Female?
A) Vasectomy  B) Tubectomy  C) Removal of uterus  D) Contraceptive pills
42. Who discovered ABO blood group?
   A) Karl Landsteiner  
   B) T.H. Morgon  
   C) A.S. Wiener  
   D) Galwin

43. Respiratory center is present in
   A) The Cerebellum  
   B) The Medulla Oblongata  
   C) The Spinal Cord  
   D) The Parietal lobe

44. Decibel is a unit to measure the
   A) Intensity of sound  
   B) Intensity of radiation  
   C) Intensity of light  
   D) Intensity of heat

45. Which of the following act as Emergency Gland?
   A) Thymus  
   B) Thyroid  
   C) Pituitary  
   D) Adrenal

46. What is the disease caused due to the infection by a bacterium called Hellobacter pylori?
   A) Tooth decay  
   B) Peptic ulcer  
   C) Liver cirrhosis  
   D) Peritonitis

47. The state emblem of India was adopted from
   A) Kalinga Edict  
   B) Saranath Pillar  
   C) Sanchi Stupas  
   D) Athasasra

48. Pattini cult in Tamil Nadu was introduced by
   A) Pandyan Nedunchelhyan  
   B) Cheran Senguttuvan  
   C) Elango Adigal  
   D) Mudathirumaran

49. The Headquarters of the French possession in India
   A) Pondicherry  
   B) Karaikal  
   C) Chandranagore  
   D) Mahi

50. The subsidiary system was introduced by
   A) Lord Hastings  
   B) Lord Wellesley  
   C) George Barlow  
   D) Sir John Shore
51. Self Respect movement was started by
   A) Gandhi  B) Ambedkar  C) Jyotirao Phule
   D) Periyar E.V.R.

52. In which year the Vernacular Press Act was passed?
   A) 1878  B) 1882  C) 1898  D) 1902
   A) 1878  B) 1882  C) 1898  D) 1902

53. Which among the following journals was edited by Mussolini?
   A) New Italy  B) Main Kamph  C) Avanthis  D) Risorgimento
   A) New Italy  B) Main Kamph  C) Avanthis  D) Risorgimento

54. The League of Nations was established in the year
   A) 1920  B) 1940  C) 1960  D) 1980
   A) 1920  B) 1940  C) 1960  D) 1980

55. The city along the Thames River is
   A) New York  B) Kolkata  C) Paris  D) London
   A) New York  B) Kolkata  C) Paris  D) London

56. World Trade Organisation was started in
   A) 1996  B) 1995  C) 1997  D) 1994
   A) 1996  B) 1995  C) 1997  D) 1994

57. The global water use percent is accounted for by irrigation.
   A) 60  B) 80  C) 70  D) 50
   A) 60  B) 80  C) 70  D) 50

58. _______ is the Second Largest Country in Asia.
   A) India  B) China  C) Russia  D) Pakistan
   A) India  B) China  C) Russia  D) Pakistan

59. _______ lake the biggest lake in India is located towards the south of the Mahanadi River Delta.
   A) Chilika  B) Kolleru  C) Pulicat  D) Sambhar
   A) Chilika  B) Kolleru  C) Pulicat  D) Sambhar

60. The discovery of _______ made a significant change in the attitude of humans.
   A) Copper  B) Iron  C) Gold  D) Fire
   A) Copper  B) Iron  C) Gold  D) Fire

61. The Earth has _______ motions.
   A) One  B) Three  C) Two  D) Four
   A) One  B) Three  C) Two  D) Four
62. National Income is otherwise called
A) Real Income
B) Money Income
C) Nominal Income
D) Gross National Product

63. As per 2011 census, the literacy rate in India is
A) 74.04%
B) 65.8%
C) 66.8%
D) 67.8%

64. Which year is described as "The year of The Great Divide"?
A) 1991
B) 2001
C) 1921
D) 1981

65. ________ is a basic institution of capitalism.
A) Price system
B) Income system
C) Cost system
D) None

66. Consumer surplus is
A) Potential Price – Actual Price
B) Mvn – TVn – TVn – 1
C) Demand = Supply
D) None

67. The period of David Ricardo
A) 1723 - 1790
B) 1772 - 1823
C) 1766 - 1834
D) 1833 - 1964

68. Industries which are engaged in the conversion of raw materials into finished products?
A) Construction Industries
B) Genetic Industries
C) Manufacturing Industries
D) Extractive Industries

69. When goods are imported for the purpose of export, it is called as
A) Foreign Trade
B) Home Trade
C) Entrepot Trade
D) Trade

70. The first railway line in India was opened to traffic between
A) Mumbai - Chennai
B) Chennai - Kolkata
C) Mumbai - Thane
D) Delhi - Chennai
71. Reserve Bank of India was established in
   A) 1935  B) 1945  C) 1939  D) 1969

72. Which one comes under the Quantitative Credit Control Methods?
   A) Bank Rate  B) Fixation of Margins  C) Moral Suasion
   D) Direct Action

73. Advertising appeals make people to use such articles, which may effect their health?
   A) Social objections  B) Ethical objections
   C) Historical objections  D) Economical objections

74. Nuclear test Ban Treaty was signed in?
   A) 1993  B) 1936  C) 1998  D) 1963

75. In India, the First Municipal Corporation was setup in which one among the following?
   A) Calcutta  B) Madras  C) Bombay  D) Delhi

76. Which one of the following is the author of the book ‘The Republic’?
   A) Bodin  B) Bryce  C) Montesquieu  D) Plato

77. The office of the District Collector was created first by:
   A) Lord Curzon  B) Lord Rippon  C) Warren Hastings
   D) Lord Irwin

78. Recognised official languages of India
   A) 25  B) 23  C) 22  D) 27

79. Which one of the following followed by the Presidential form of government?
   A) America  B) England  C) India  D) France

80. Which of the following is not an International Body?
   A) SAARC  B) UNO  C) IMF  D) IHRC
PART 'B': Psychology

30. What is the next number?
   1 27 125 343 ________ ?
   A) 625
   B) 1027
   C) 912
   D) 576

31. What is the odd one?
   A) TY
   B) 17
   C) 21
   D) VL

32. Which is the odd number?
   A) 17
   B) 37
   C) 37
   D) 29

33. Find the odd word:
   1) Radish
   2) Carrot
   3) Cabbage
   A) A
   B) B
   C) C
   D) D

34. If a number is divided by 2 and then divided by 3, what is the final answer?
   A) 4
   B) 6
   C) 8
   D) 10

35. If a number is divided by 3 and then divided by 2, what is the final answer?
   A) 2
   B) 4
   C) 6
   D) 8

36. The sum of two numbers is 21 and their difference is 3. What is the ratio of the numbers?
   A) 2 : 3
   B) 3 : 2
   C) 1 : 2
   D) 2 : 1

37. If a number is added to 10, the result is 21. What is the original number?
   A) 7
   B) 10
   C) 19
   D) 29

38. If 8 people can complete a task in 15 days, how long will it take 10 persons to finish the task?
   A) 10 days
   B) 12 days
   C) 15 days
   D) 6 days

39. An article is sold at Rs. 150 at a profit of 20%. What is the cost of the article?
   A) Rs. 125
   B) Rs. 130
   C) Rs. 140
   D) Rs. 150
93. Pointing to a man on the stage, Rita said, "He is the brother of the daughter of the wife of my husband". How is the man on the stage related to Rita?
A) Son  B) Husband  C) Cousin  D) Nephew

94. Theft: Confess :: Fault:
A) Commit  B) Say  C) Talk  D) Admit

95. Patrol is related to security in the same way Insurance is related to
A) Money  B) Protection  C) Policy  D) Finance

96. A, B, C, D, E, F and G are sitting on the wall and all are facing east.
C is immediate right of D
B is at extreme end and has E as his neighbourhood
G is between E and F
D is sitting third from the south end
Who is sitting to the right of E?
A) A  B) B  C) G  D) C

97. Which of the following pair of people are sitting at the extreme end?
A) AB  B) AE  C) CB  D) FB

98. Between which of the following pairs is D sitting?
A) AC  B) AF  C) CE  D) CF

99. Production of two types of vehicles 'P' type and 'Q' type by a factory over the years (in thousands).
In which of the years was production of both P and Q type vehicle together the maximum?

100. In which of the following years was there exact 30% increase in production of 'Q' type vehicles over the previous year?
A) 1992  B) 1994  C) 1995  D) 1993
101. The production of 'P' type vehicles in 1992 was approximately what percent of the 'Q' type vehicle in the same year?
A) 40%  B) 100%  C) 140%  D) 120%

102. What is the difference in the production of 'Q' type vehicles between 1994 and 1995?
A) 20000  B) 30000  C) 40000  D) 10000

103. What is the approximate % drop in production of 'P' type vehicle from 1992 to 1993?
A) 60  B) 40  C) 33  D) 30

104. What is the increase in production of 'P' type vehicle between 1993 and 1994?
A) 40000  B) 20000  C) 60000  D) 50000

107. Find the odd man out.
1, 4, 9, 16, 23, 25
A) 9  B) 23  C) 25  D) 4

108. There are 5 Saturdays in a month. Which will be the first day of that month?
A) Sunday  B) Friday  C) Monday  D) Tuesday

109. What is the pattern?

110. If in a code language A B C D is written as 26 - 25 - 24 - 23, what will be written for W X Y Z in the same code?
A) 3 - 22 - 14 - 18  B) 4 - 3 - 2 - 1  C) 17 - 16 - 15 - 14  D) 1 - 2 - 3 - 4

111. Penology : Punishment :: Seismology : ?
A) Law  B) Earthquakes  C) Order  D) Medicine
112. Indians can adapt themselves in any situation. The meaning of the word “ADAPT” is
A) Follow  B) Clever  C) Adjust  D) Choose
Indians can adapt themselves in any situation. “ADAPT” என்பது இவ்வகையான வரைமுறையை வேதிய
A) Follow (பொருளாதாரம்)  B) Clever (விளைந்துறை)  C) Adjust (செய்யுறை)  D) Choose (கேட்டுறை)

113. If paper is called wood, wood is called straw, straw is called grass, grass is called rubber and rubber is called cloth what is the furniture made up of
A) Paper  B) Wood  C) Straw  D) Grass
பற்பெட்ளை குள்ளம் என்று பற்பெட்ளை நடுப்பெட்ளை நடு நடுப்பெட்ளை நடு மரம்
A) Paper (பொருளாதாரம்)  B) Wood (விளைந்துறை)  C) Straw (செய்யுறை)  D) Grass (கேட்டுறை)

114. Find the Antonym:
Attack : Defend :: Affirm :?
A) Deny  B) Abrupt  C) Final  D) Kind
துடுப்பு : பதிகை :: வழங்க :?
A) நெய்து விட்டு  B) பதிகை விட்டு  C) முடிவு  D) கொடுக்கு

115. If the animals which can walk are called swimmers, animals who crawl are called flying, those living in water are called snakes and those which fly in the sky are called hunters, then what will a lizard be called
A) Swimmers  B) Snakes  C) Flying  D) Hunters
கேளை என்பது சீரானவனாக வல்லாதவனை வல்லாதவனை வல்லாதவனை வல்லாத மாய்களை வல்லாத மாய்களை
A) Swimmers (சீரானவனை)  B) Snakes (சீரானவனை)  C) Flying (சீரானவனை)  D) Hunters (சீரானவனை)

116. Fill in the blank with correct homophone:
The Millionaire died
A) Airless  B) Heirless  C) Hairless  D) Hareless
The Millionaire died
A) Airless  B) Heirless  C) Hairless  D) Hareless

117. If DIG is coded as 497, decode the expression 2556
A) LEAF  B) BEED  C) BEEF  D) HEAD
‘DIG’ என்பது 497 என்று சொல்லப்பட்டுள்ளது 2556 என்பது என்று சொல்லப்பட்டுள்ளது
A) LEAF  B) BEED  C) BEEF  D) HEAD

118. If first October is Sunday, then 1st November will be
A) Wednesday  B) Thursday  C) Monday  D) Tuesday
தொடக்கான பதம் என்பது வாக்கு வரும் வாக்கு வரும் வாக்கு வரும் வாக்கு
A) க்குறிப்பிட்டு விட்டு  B) இணைந்து விட்டு  C) இடம் விட்டு  D) கொண்டு விட்டு

119. Which is the number opposite to 4 in the given dice?
A) 1  B) 6  C) 5  D) 2
வெற்றியும் வெற்றியும் வெற்றியும் வெற்றியும் வெற்றியும்
A) 1  B) 6  C) 5  D) 2
121. Raja ranks 7th from the top while John ranks 17th from the bottom in an exam marks list. If there is one rank between Raja and John, how many students were there in the list?

A) 29   B) 25   C) 27   D) 31

122. Find the missing number in the series.
1, 7, 15, 25, 37, ?

A) 45   B) 47   C) 49   D) 51

123. The age of a father is twice that of the elder son. Ten years hence, the age of the father will be three times that of the younger son. If the difference of ages of the two sons is 15 years. The age of the father is

A) 50 years   B) 55 years   C) 60 years   D) 70 years

124. The total number of digits used in numbering the pages of a book having 366 pages is

A) 732   B) 990   C) 1098   D) 1305

366 பொருளாக்கங்கள் கொண்ட குறிப்பிட்டு பொருளாக்க நூற்றக்கள் எந்த எண்களில் உள்ளன?

A) 732   B) 990   C) 1098   D) 1305

125. Sharma's salary is 50% above Varma's salary. What percentage is Varma’s salary below Sharma's?

A) 50%   B) 33 1/3 %   C) 66 2/3 %   D) 75%

126. Mani leaves his house 15 min to seven in the morning, reaches Rajan's house in 20 minutes, they finish their breakfast in another 20 minutes and leave for their office which takes another 35 minutes. At what time do they leave Rajan's house to reach their office?

A) 7.40 am   B) 7.25 am   C) 7.35 am   D) 8.10 am

127. What will be the angle between the two hands of a clock at the time 3.30?

A) 60°   B) 90°   C) 75°   D) 70°
128. An amount is divided in the ratio 5:11. If the first person gets ₹ 250/-, what is the total amount?
   A) ₹ 700/-  B) ₹ 900/-  C) ₹ 800/-  D) ₹ 1,000/-

129. Some animals remain only in water and some remain on ground. Which one of the following Venn diagrams correctly represents the right position of the frog?
   A)  
   B)  
   C)  
   D)  

Read the following passage and answer the questions 132 – 134.
Seven children A, B, C, D, E, F and G are standing in a line. ‘G’ is to the right of ‘D’ and to the left of ‘B’. ‘A’ is on the right of ‘C’. ‘A’ and ‘D’ have one child between them. ‘E’ and ‘B’ have two children between them. ‘D’ and ‘F’ have two children between them.

132. Who is on the extreme right?
   A) B  B) E  C) F  D) G

133. Who is exactly in the middle?
   A) A  B) C  C) D  D) E

134. Who is on the extreme left?
   A) A  B) B  C) C  D) D
5. When you are in a function, your friend's muffler catches fire from the candle on the table? What will you do?
   A) Call my friend and ask him to be aware of what is happening
   B) Quickly go and call his mother
   C) Pull out his muffler, throw it on the floor and pour water on it
   D) Pull the muffler and throw it away

   Answer: C

6. Which of the following is the same as Radium, Polonium, Uranium?
   A) Thorium
   B) Caesium
   C) Barium
   D) Strontium

   Answer: A

138. Honey is related to wax in the same way as Milk is related to?
   A) Cow
   B) Leather
   C) Eggs
   D) Water

   Answer: D

139. Which of the following is the same as Radium, Polonium, Uranium?
   A) Thorium
   B) Caesium
   C) Barium
   D) Strontium

   Answer: A

140. You are in a new place and you want to go shopping. What is the most likely thing that you would do?
   A) Totally drop the idea of shopping
   B) Find out the place on your own
   C) Ask someone who knows the place to come with you
   D) Ask someone else to do shopping for you

   Answer: B