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SNAP 2016 Question Paper

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SECTION – I

GENERAL AWARENESS

Number of questions: 40

1. Football club has been promoted to the Premier League Season 2016–17.

Ans: Burnley

2. Who won the 2016 Nobel Prize for Literature?

Ans: Bob Dylan

3. Who will take over as the new UN Secretary General?

Ans: Antonio Guterres

4. Who beat Michael Phelops in Rio to claim Singapore's first ever Gold Medal in the Olympics.

Ans: Joseph Schooling

5. Which country did Germany defeat to clinch the FIFA World Cup trophy in 2014?

Ans: Argentina

6. The Kigali Agreement is related to

Ans: Phasing down the use of Hydrofluorocarbons

7. This Indian company was listed among the Top 50 global R&D spenders in 2015.

Ans: Tata Motors

8. Which tournament is known as Women's "Davis Cup"?

Ans: Fed Cup

9. Who retired in December 2015 as Chairperson of HSBC India.

Ans: Naina Lal Kidwai

10. The project has been launched in to make National Highways free of Railway Crossings?

Ans: Setu Bharatam

11. Who is the first African-American whose portrait will appear on the new series US\$20 currency notes?

Ans: Harriet Tubman

12. The Oscar 2016 Best Movie? Ans.

Ans: Spotlight

13. Who is the youngest cricketer to score 10000 test runs?

Ans: Alistair Cook

14. Indian scientist was honored by the International Astronautical Federation's Hall of Fame award in 2016.

Ans: U R Rao

15. The first Muslim mayor of London?

Ans: Sadiq Khan

16. The organization recently signed an agreement to acquire LinkedIn?

Ans: Microsoft

17. Flipkart acquired this fashion portal in July 2016?

Ans: Jabong

18. Which operation was launched to evacuate Indians stranded in South Sudan in July 2016?

Ans: Ankat Mochan

19. The Lata Mangeskar Award for Lifetime Achievement in 2016 is given to.

Ans: Uttam Singh

20. The world's largest solar power plant at a single location is in

Ans: Kamuthi, Tamil Nadu

21. The name of Google's instant messenger is

Ans: Allo

22. Which organization took control of Time Warner Cable?

Ans: Charter Communications

23. The current Vice President of USA is?

Ans: Joe Biden

24. Which technology company did Dell Inc, acquire in 2016 and create the largest technology merger in history?

Ans: EMC Corp

25. Match the following persons to the position they hold

Ans: Janet Yellen - US Fed Reserve
Urjit Patel - RBI

26. The Paralympian was sentenced to six and half years of imprisonment in 2016 for the murder of his girlfriend.

Ans: Oscar Pistorius

27. The mini satellite developed by engineering students of Pune, and launched by ISRO

Ans: Swayam

28. Which animal carried out an attack at Disneyland, killing a 2 years old boy?

Ans: Alligator

29. British MP was shot to death in 2016

Ans: Jo Cox

30. The most realistic humanoid robot did China unveil recently?

Ans: Jia Jia

SECTION – II

ANALYTICAL AND LOGICAL REASONING

Number of questions: 30

31. Number 100 to be written in form of mixed numbers using digits 1 to 9.

Ans: 11*

32. Letters missing in the series S __ M F T M __

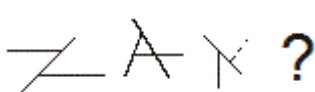
Ans: J, W*

33. Question on orange and lemon juice.

Ans : Cannot be determined

34. Question on boat and cloud burst. The boat was already two feet submerged , the total height of the boat was six feet.

Ans : None of the above

35. 

The next pattern would be

Ans: 

36. Missing terms of the series 1, 2, 8, – 10, ____, ____

Ans:

37. What is Step 4 for an input whose Step 2 was given.
765, 42, 183, 289, 542, 65, 110, 350

Ans: 765 42 542 65 183 289 110 350

38. Step 1 of the input was given,
785, 198, 32, 426, 373, 96, 49
had to find which step would have the given arrangement
785, 32, 426, 49, 198, 373, 96

Ans: Step 4

39. Number of steps required to get the given final input.
39, 88, 162, 450, 386, 72, 29

Ans: 5

40. What will be the Step 3 of the following Input?
239, 123, 58, 361, 495, 37

Ans: 495, 37, 361, 239, 123, 58

41. New mobile application which can calculate lifespan.

Ans: 2 and 4 are correct

42. Represent the word PUBLIC by numbers

Ans: 12, 30, 87, 41, 66, 33

43. Find the missing number. 24, 39, 70,
123, ?, 319
474, ?, 928

Ans:

44. Find the missing number.
1001, 11001, ____

Ans:

45. Find the missing number.
A B C D
17 2 34 3
H G F E
5 ? 4 102

Ans: 408

46. Three circles to be moved in the diagram to make it vertically flipped

Ans: A G J

47. The largest among given Roman numerals

Ans: CLXVI

48. Four volumes of books, thickness 4cm. Worm had to travel.....

Ans: 16 cm*

49. Number of triangles in the given figure

Ans: 23

50. 7 friends and colour of their dresses

Ans: Indigo

51. Hour hand and the minute hand be together between 2 O'clock and 3 O'clock?

Ans: 10.9090 mins past two

52. The Independence Day in 1989 given that it was a Wednesday in 1988

Ans: Thursday

53. A man stands on the middle step of a ladder cleaning the window panes of a building. He climbs six step up....

Ans: 29 steps

54. $A + B$ means A is the brother of B; $A - B$ means A is mother of B and $A * B$ means A is the sister of B. Which of the following means C is the maternal uncle of D?

Ans: $C + K - D$

55. If $4 - 2 = 6$, $15 - 3 = 12$ and $13 - 2 = 26$, then $35 - 5 = ?$

Ans: 07

56. In a class of 100 students there are 10 who had no knowledge in Integral Calculus or English Literature. 70 students were experts in integral calculus...

Ans: 62

57. An automatic cutter takes one minute to cut any wooden or a metal piece..... How long will it take to cut a 15 feet wooden piece...

Ans: 14 mins

58. A is the father of C and D is son of B. E is the brother of A.... How is I related to B?

Ans: Sister in Law

59. David, Jack, Henry, Paul and Peter are in a park. They find a bench and decide to sit in a line next to the another....

Ans: David is sitting in the middle and Henry is sitting along with David (2 and 3 are true)

60. Find the odd man out .

Ans: 6174*

61. There are four friends A, B, C and D. The average of their heights is 74 inches.... What is the height of the tallest?

Ans: 80 inches

62. Amit and Sumit are discussing about the temperature in Himalayas. Amit says Zero Centigrade i.e 32 F....

Ans: Both Amit and Sumit are correct.

63. A boy is stuck in a deep trap which is 30 meters in depth. Manages to climb 3 meters in a day and slides 2 meter in the night.....

Ans: 28 days

64. Money: 144 then Dollar: _____

Ans: 124

65. Find the next picture in the following series



66. Find the next picture in the following series.



67. There are 30 railway stations between A and B, which includes A and B.... Number of tickets issued at station A

Ans: 870

68. Many political activists have decided to start demonstrations and block traffic movement in the city during peak hours to protest against the steep rise in prices of essential commodities.

Ans: The police should deploy additional forces all over the city.

69. Select the missing number from the given responses.
180, 370, 750, 1510, 3030, ?

Ans: None of these

70. Find the missing number.

2	3	5
9	17	33
65	129	?

Ans: 257

SECTION – III

GENERAL ENGLISH

Number of questions: 40

71. Last year ... PM ____ the festival with troops.

Ans: Spent

72. Marine algae _____ a key role ...

Ans: Plays

73. 365 farmers ended their ____

Ans: Higher

74. The students were awaiting _____

Ans: None of the above. No article is needed.

75. Rich merchant was loved for ____

Ans: Magnanimous, Generous

76. Father had little cause to ____ dot com boom to doom.

Ans: Regret, Rue

77. doubtful about making a judgement

Ans: Agnostic

78. Deja vu

Ans: Already seen

79. Sunflower, moonlight etc. are:

Ans: Compound words

80. Nadir

Ans: Lowest point

81. Abstruse

Ans: Obtuse

82. Ebullient

Ans: Jovial

83. Please _____ me so with your valuable

Ans: Advise, Advice

84. Alluding the police ____

Ans: Alluding, Elude

85. Discrete / Discreet

Ans: Distinct/Subtle

86. Ingenious / Ingenuous

Ans: Clever/Innocent

87. Gregarious

Ans: Reserved

88. Querulous

Ans: Affable

89. Lucid

Ans: Obscure

90. Achilles' heel meaning ?

Ans: Everyone has a vulnerable point

91. Wealthy : Indigent

Ans: Graceful : Gauche

92. Almond : Nut

Ans: Cheddar : Cheese

93. Chaff : Wheat

Ans: Dregs : Wine

94. Arrange the sentences below in the correct sequence to create the most logical paragraph.

- A. The special package ...
- B. This is expected to..
- C. The subsidy transmission...
- D. Besides, the government...
- E. However,...
- F. "All these measures..." Original source:

Ans: http://www.business-standard.com/article/companies/green-shoots-in-textiles-and-garments-sector-116110100732_1.html - Source The original passage had a slightly different sentence order. However, no such option was given in the question.

95. Arrange the sentences below in the correct sequence to create the most logical paragraph.

- A. Insuring your vehicle...
- B. What only a few people...
- C. This compensation can run...
- D. This third – party liability...
- E. General insurance companies...
- F. They contend they are losing...

Ans: The source is <http://economictimes.indiatimes.com/wealth/insure/get-5-essential-insurance-plans-for-just-rs-2620-per-month/articleshow/54994007.cms> The sentences came in the right order.

96. Passage is written by ____ and highlights ____

Ans: Three academics from countries, ideological differences.

97. Fiscal austerity is given to:

Ans: They believe ...main culprits..profligacy...

98. Why was 1945 important?

Ans: The perspectives were reversed before this year.

99. French or German perspectives:

Ans: There was only one option which mentioned FFG...

100. What optimistic solution is suggested?

Ans: A Europe-wide insurance mechanism...

101. Reviewer of the book feels about the future of Euro – zone:

Ans: All the statements are true.

102. What is the reason that sewage sludge has not been used earlier?"

Ans: Sludge is too wet and is intensive and expensive.

103. Name of the revolutionary technology:

Ans: Hydrothermal liquefaction.

104. Names of the processes:

Ans: Heat and Pressure

105. Fats and Lipids sludge help to:

Ans: First three statements were true and the last one was not.

106. Nutrient's name:

Ans: Phosphorous

107. Rearrange the sentences to form a logical paragraph.

- A. Everyone in Bitcoin network...
- B. All transactions...
- C. These sites...
- D. Exchanges provide...

Ans: Original source: <https://simple.wikipedia.org/wiki/Bitcoin>

108. CR question – Conclusion from the paragraph related to “Brain is a wrinkly organ!”

Ans: The brain grows very fast in early childhood.

109. Many countries have compulsory voting. Weakening the argument.

Ans: The system of law is slow.

110. ‘Baker’s dozen’ meaning -

Ans: Thirteen.

SECTION – IV

QUANTITATIVE ABILITY

Number of questions: 40

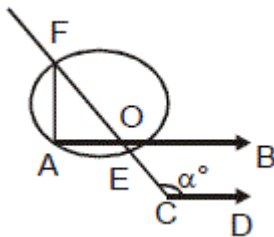
111. When the equation $\{(x + y)^3 - (x - y)^3 - 6y(x^2 - y^2)\} * y$ is simplified, it gives the expression

Ans: None of the above ($8y^4$)

112. If $\frac{\sqrt{2} + \sqrt{3}}{3\sqrt{2} - 2\sqrt{3}} = a - b\sqrt{6}$ the a and b would be

Ans: 2, $-5/6$

113. In the figure given below $AB \parallel CD$, a° would be



Ans. 135°

Note: The questions can't be answered on the basis of given information; however, the best answer out of the given options can be 135° .

114. If $\sum_{i=1}^n (x_i - 2) = 110$ and $\sum_{i=1}^n (x_i - 5) = 20$
then n would be ___ and mean would be

Ans: 30, $17/3$

115. A number of dogs get together and decided to kill between then 999919 cats. Each dog killed equal number of cats. How many dogs were there?

Ans: None of these (991)

116. A specially designed cycle has different sized wheels at the front and back. What is the circumference of the front wheel?

Ans: 8 feet

117. A started to chase B, when B was 27 steps ahead of A..... After how many steps did A catchup with B?

Ans: 30

118. Square block which is 4m X 4m. Which is the possible solutions that gives the liters of paints that was used for the design.

Ans:

119. Magical bells which ring 18 times in a day. The maximum number of bells in the Church is..

Ans: 10

120. In a software company average of all female employees is 21 years.... The total number of employees could be...

Ans: 231

121. Bag contains 12 balls out of which some are red....How many red balls were initially in the bag.?

Ans: None of the above (2)

122. $\log \tan 1^\circ + \log \tan 2^\circ + \dots \dots \log \tan 89^\circ$

Ans: 0

123. John procures goods from wholesaler whose balance reads 1200 grams for 1000 grams... What is his overall percentage profit/loss in the whole transaction?

Ans: No profit no loss

124. Ram is two times as efficient as Shyam. Shyam can complete a job assignment in 15 days..... For how many days Ram and Shyam work together?

Ans: 2 days

125. The unit digit in the answer to following equation is $2y = (129 * 256 * 47\$ * 1484)$. Then the digit in the place of \$ could be

Ans: 7

126. A & B were the only 2 women participating in a Chess Tournament.... How many total participant were there in the chess tournament?

Ans: 13

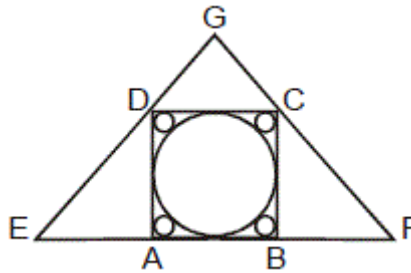
127. Rohan speaks truth 60% of the cases and Ramesh speaks truth in 80% of the cases. The probability that they will say the same thing which could be a truth or could be a lie while describing a single event would be

Ans. 0.56

128. A clock which is running 12 minutes late on a Sunday noon is 16 minutes ahead of the correct time at 12 noon on the next Sunday. When is the clock 8 minutes ahead of the time?

Ans: Friday noon

129. In the figure given below ABCD is square and EFG is triangle.... What is the ratio of the area of the larger circle to the sum of the areas of four smaller circles?



Ans: $1:(68 - 48\sqrt{2})$

130. Baba Baskar has 6 kinds of fruits in a large amount and has many identical boxes to store them.... The maximum number of fruits he can put in the boxes is

Ans: 375

131. The Units digits of

Ans: 7

132. In a train there are as many wagons as the number of seats in each wagon..... find the maximum number of passengers (to an approximate value) in the train that can be accommodate if 20% minimum of seats is always vacant.

Ans: 980

133. A train left station X at A hours B minutes.... What is the number of possible values of A is?

Ans: Zero

134. Consider the equation $Y = (5!)^{5!} + (10!)^{10!} + (50!)^{50!} + (100!)^{100!}$ The number of zeros at the end of the whole expression would be _____

Ans: 120

135. A bouncing ball rebounds to a height equal to one half of height of the previous bounce each time.... find total distance travelled when it hits the ground for the 8th time.

Ans: 47.750

136. A normal pulse rate is define as a range in which nearly 2/3 of individuals fall. As per this standard, what is the normal pulse rate range in an individual before exercise?

Ans: Above 69 and below 80

137. In a selection process pulse rate below 75 per minute before exercise and below 80 per minute after exercise was fixed as the standard..... How many more individuals than before are being selected because of the new standard?

Ans: 40*

Note: The correct answer is not given among the options.

138. After exercise approximating 40% of the individuals had a pulse rate per minute not higher than

Ans: 84

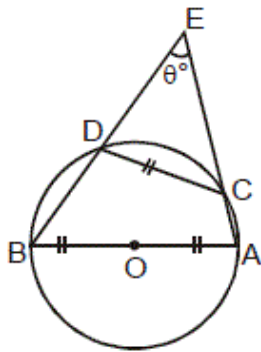
139. If a man walks from A to B and then takes a bike from B to A, he takes 5 hours..... How long would he take to walk from A to B and then back from B to A if he rests at B for 30 minutes?

Ans: 8.5 hours

140. A merchant marks up his goods by 80% and gives discount of 25%.... What is the net profit of the merchant?

Ans: 50%

141. In the figure given below find q°



Ans: 60°

142. If $a = 0$, $b = 1$, $c = 2$ $z = 25$

Then $(\text{one} + \text{one} + \text{two} + \text{two} + \text{three} + \text{six} + \text{eighty}) * (\text{six} + \text{ten} + \text{one} + \text{two}) / (\text{six} + \text{eighty})$ is

Ans: None of the above

143. In a group of 100 children 32% play hockey, 64% play football and 40% play cricket. In another group of 200 children 20 % play chess, 30% play carom and 40% play ludo whereas 10% play snake and ladder.

Ans: 30

144. The number of passengers travelling in the train while it runs from B to C is

Ans: 318

145. At which station the train is filled to its capacity?

Ans: C

146. If 20% of passengers from A get dropped at C, then how many passengers of station B get dropped at C?

Ans: 14

147. The HCF of two expression P and Q is 1. The LCM is

Ans: $P \times Q$

148. The number of triangles whose vertices are the vertices of an octagon but none of the sides of such triangles are taken from the sides of the octagon is

Ans: 16

149. One side of an equilateral triangle is 24 centimeters. The mid points of its sides are joined to form another triangle whose mid points are in turn joined to form still another triangle.

Ans: 144 cm

150. A and B entered into a partnership with Capital Investment in the ratio 4 : 5. After 3 months A withdrew $\frac{1}{4}$ of his capital and B withdrew $\frac{1}{5}$ of his capital. The gain at the end of 10 months was Rs. 760/-. The share of profit A is

Ans: Rs. 330