1. If you go to Tuticorin, Parad-Kandla and Mangalore, you didn't visit
   (1) Tamil Nadu
   (2) Odisha
   (3) Gujarat
   (4) Kerala

2. 'KISAN TV' was started in
   (1) 2014-15 (3) 2011-12
   (2) 2012-13 (4) 2013-14

3. The type of soil spread over large area in the Northern Plains of India is
   (1) Red soil
   (2) Black soil
   (3) Laterite soil
   (4) Alluvial soil

4. Which of the following is a semiconductor ?
   (1) Phosphorus
   (2) Wood
   (3) Silicon
   (4) Glass

5. Which of the following is the most fundamental difference between Mahayana Buddhism and Hinyana Buddhism ?
   (1) Casteless Society
   (2) Worship of Stups
   (3) Worship of Gods and Goddess
   (4) Emphasis on Ahinsa

6. Assertion (A) : Sucrose is sweet in taste.
   Reason (R) : Sucrose is converted by the enzyme invertase present in yeast into glucose and fructose.
   (1) Both (A) and (R) are correct and (R) is the correct explanation of (A)
   (2) Both (A) and (R) are correct but (R) is not the correct explanation of (A)
   (3) (A) is correct and (R) is wrong
   (4) Both (A) and (R) are wrong, with the correct explanation of (A)

7. Match the following :

Process	Changes
(A) Evaporation	1. Liquid into gas
(B) Condensation	2. Gas into liquid
(C) Freezing	3. Solid into gas
(D) Melting	4. Solid into liquid
	5. Liquid into solid

	A	B	C	D
(1)	1	2	5	4
(2)	3	4	1	2
(3)	2	1	5	3
(4)	4	3	2	5

8. Chemically, dry ice is
   (1) ice formed from pure distilled water
   (2) solid carbon dioxide
   (3) solid sulphur dioxide
   (4) ice kept at sub-zero temperature

9. Average Life span of Human RBC is
   (1) 2-4 days   (3) 120 days
   (2) 90 days   (4) 180 days

10. Red light is used in traffic signal for stopping the traffic because
    (1) It is visible even to long distant people
    (2) Eye is more sensitive to red light.
    (3) Red light is scattered least by air molecules
    (4) It is very pleasant to the eye.

11. Cooking gas is a mixture of
    (1) carbon monoxide and carbon dioxide
    (2) butane and propane
    (3) methane and ethylene
    (4) carbon dioxide and oxygen

12. Which part of plant is responsible for reproduction ?
    (1) Sepals   (3) Petals
    (2) Stamens
    (4) Style and Stigma

13. CPU performance is then measured in
    (1) GB   (3) MHz
    (2) KB   (4) Baud rate

14. 'Madhubani' a style of folk paintings, is popular in which of the following States in India ?
    (1) Uttar Pradesh
    (2) Rajasthan
    (3) Madhya Pradesh
    (4) Bihar

15. The Boko Haram, Islamist militant group is engaged in the conflict with the government of which of the following countries ?
    (1) South Sudan
    (2) Ethiopia
    (3) Nigeria
    (4) Sierra Leone

16. Recently Union Government has launched Pradhan Mantri Suraksha Bima Yojana. What is the amount of premium per annum for this scheme ?
    (1) Rs. 12   (3) Rs. 210
    (2) Rs. 120   (4) Rs. 320

17. Ecology deals with
    (1) Birds
    (2) Relation between organisms
    (3) Relation between organisms and their environment
    (4) Tissues

18. First International Yoga Day was celebrated on
    (1) 18 June, 2015
    (2) 21 June, 2015
    (3) 22 June, 2015
    (4) 25 June, 2015

19. Which one of the following countries won the 2014 FIFA World Cup ?
    (1) Netherlands
    (2) Argentina
    (3) Brazil
    (4) Germany

20. The first Field Marshal of India was
(1) Vaidya
(2) K.M. Cariappa
(3) Sundarji
(4) S.H.F.J. Manekshaw

21. First woman Chairperson of UPSC
(1) Arundhati Bhattacharya
(2) Kamilini Bhattacharya
(3) Aruna Bhattacharya
(4) Sneha Bhattacharya

22. Which is the highest civilian award of India ?
(1) Veer Chakra
(2) Bharat Bhushan
(3) Padmashri
(4) Bharat Ratna

23. On which date Telangana is established as the 29th State of the Indian Union ?
(1) 1st May, 2014
(2) 2nd June, 2014
(3) 16th April, 2014
(4) 22nd June, 2014

24. What is full term of FDP ?
(1) Printed Document Format
(2) Public Document Format
(3) Portable Document Format
(4) Published Document Format

25. In NITI Aayog, NITI stands for
(1) National Institution for Transforming India
(2) National Information and Technology Institute
(3) National Institution for Technical Information
(4) New Institution for Transforming India

26. In the 2015 Indian Premier League (IPL) which of the following players played for which of the following teams ?

Players Name	Name of Team
(a) Angelo Mathews	i. Delhi Daredevils
(b) Dinesh Karthik	ii. Royal Challengers Bangalore
(c) M. Vijay	iii. Kings XI Punjab
(d) Irfan Pathan	iv. Chennai Super Kings

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

27. Money deposited at a bank that cannot be withdrawn for a preset fixed period of time is known as
(1) Current Deposit
(2) Savings Bank Deposit
(3) Term Deposit
(4) No Frills Account

28. Ways and Means is the load of Advances provided by the RBI to
(1) Central Government
(2) Banks
(3) State Government
(4) NABARD

29. Which of the following Union Government taxes gives the highest annual yield ?
(1) Custom duties
(2) Excise duties
(3) Corporation tax and Income tax
(4) Wealth tax, Interest tax and Gift tax

30. Which of the following is associated with Panchayati Raj ?
(1) Shah Commission
(2) Nanavati Commission
(3) Balwant Rai Committee
(4) Liberhan Commission

31. Which of the following protects personal freedom ?
(1) Quo-Warranto
(2) Mandamus
(3) Habeas Corpus
(4) Certiorari

32. What is 'Zero Hour' ?
(1) When the proposals of the opposition are considered.
(2) When matters of utmost importance are raised.
(3) Interval between the morning and afternoon sessions.
(4) When a Money Bill is introduced in the Lok Sabha.

33. Who among the following decides whether particular bill is a Money Bill or not ?
(1) President
(2) Speaker of Lok Sabha
(3) Chairman of Rajya Sabha
(4) Finance Minister

34. The Mansabdari system was introduced by
(1) Akbar
(2) Shah Jahan
(3) Jahangir
(4) Babar

35. Which was the ancient port of Indus Civilization ?
(1) Harappa
(2) Lothal
(3) Dholavira
(4) Surkotada

36. Give the correct chronological order
(a) Communal Award
(b) Simon Commission
(c) First Round Table Conference
(d) Gandhi-Irwin Pact
(1) a, b, c, d   (2) b, a, c, d
(3) c, b, a, d   (4) d, c, b, a

37. India liberated Goa from the Portuguese in
(1) 1948   (2) 1965
(3) 1961   (4) 1990

38. One Astronomical Unit is the average distance between
(1) Earth and the Sun
(2) Earth and the Moon
(3) Jupiter and the Sun
(4) Pluto and the Sun

39. Among the following which planet takes maximum time for one revolution around the Sun ?
(1) Earth   (2) Jupiter
(3) Mars   (4) Venus

40. Who won the French Open 2015 Men's Single title ?
(1) Novak Djokovic
(2) Stan Wawrinka
(3) Roger Federer
(4) Andy Murray

GENERAL INTELLIGENCE & REASONING ABILITY

41. One day, Ravi left home and cycled 10 km southwards, turned right and cycled 5 km and turned right and cycled 10 km and turned left and cycled 10 km. How many kilometres will he have to cycle to reach his home straight ?
(1) 10 km   (2) 15 km
(3) 20 km   (4) 25 km

Directions (42 - 43) :
Choose the one which is different from the rest.

42. (1) 7359   (2) 1593
(3) 3182   (4) 3781
(5) 9314

43. Choose the odd numeral pair/group.
(1) 61 – 73   (2) 57 – 69
(3) 39 – 51   (4) 36 – 49
(5) 18 – 30

44. Find which one word cannot be made from the letters of the given word :
SUPERIMPOSABLE
(1) SPIKE
(2) REPTILE
(3) POSSIBLE
(4) EXPOSURE

45. In the given figure, how many girls are twins (but of boys, Kamal ranked seventeenth from the top. If there are 9 above of Kamal, how many girls are after him in rank ?
(1) 3   (2) 5
(3) 7   (4) 8

46. In the question below are given two statements followed by two Conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the two Conclusions and then decide which of the given Conclusions logically follows from the given statements disregarding commonly known facts.

Statements :
All flowers are stems.
All stems are flowers.

Conclusions :
I. All roots are flowers.
II. All stems are flowers.
(1) Only Conclusion I follows.
(2) Only Conclusion II follows.
(3) Both I and II follow.
(4) Neither Conclusion I nor II follows.

47. Arrange the following in a meaningful sequence :
1. Consultation
2. Illness
3. Doctor
4. Treatment
5. Recovery
(1) 2, 3, 1, 4, 5
(2) 2, 3, 4, 1, 5
(3) 3, 4, 1, 5, 2
(4) 5, 4, 3, 2, 1

48. Choose the correct alternative that will continue the same pattern and fill in the blank spaces.
120, 99, 80, 63, 48, ..., 18
(1) 35   (2) 38
(3) 39   (4) 40

49. Find out the wrong term.
1, 9, 125, 49, 81, 121, 169, 225
(1) 1   (2) 9
(3) 49   (4) 121

50. Choose the odd one.
(1) Venus
(2) Earth
(3) Saturn
(4) Sun
(5) Mercury

Directions (52 - 53) :
Choose the pair in which the words are differently related.

52. (1) Bottle : Wine
(2) Cup : Tea
(3) Pitcher : Water
(4) Ball : Bat

53. (1) Broad : Wide
(2) Light : Heavy
(3) Tiny : Small
(4) Big : Large

Directions (54 - 58) : Read the information given below and answer the questions that follow :
(i) Aurbindo, Bubblo, Chitranjan, Dwarka, Enjalina and Farooq are six students in a class.
(ii) Bubblo and Chitranjan are shorter than Farooq but heavier than Aurbindo.
(iii)Dwarka is heavier than Bubblo and taller than Chitranjan.
(iv)Enjalina is shorter than Dwarka but taller than Farooq.
(v)Aurbindo is shorter than Enjalina but taller than Farooq.

54. Who among them is the tallest ?
(1) Aurbindo   (2) Bubblo
(3) Dwarka   (4) Enjalina

55. Who is third from the top when they are arranged in descending order of their heights ?
(1) Aurbindo   (2) Bubblo
(3) Dwarka   (4) Enjalina

56. Which of the following groups of friends is shorter than Aurbindo ?
(1) Bubblo, Chitranjan only
(2) Dwarka, Bubblo, Chitranjan only
(3) Enjalina, Bubblo, Chitranjan only
(4) Farooq, Bubblo, Chitranjan only

57. Who among them is the shortest ?
(1) Aurbindo   (2) Chitranjan
(3) Chitranjan
(4) Data inadequate

58. Which of the following statements is true for Farooq as regards to height and weight ?
(1) He is lighter than Enjalina as well as Aurbindo.
(2) He is lighter than Bubblo as well as Chitranjan.

(3) He is heavier than Bubb-
la and Chhiranjib but
shorter than Dwarka.
(4) He is lighter than Ranjit
and no shorter than
Equina.

58. *Mathematics* is related to
Numbers in the same way as
History is related to
(1) People   (2) Events
(3) Dates   (4) Wars

59. *Mirror* is related to *Reflection*
in the same way as *Water* is
related to
(1) Conduction
(2) Dispersion
(3) Immersion
(4) Refraction

Directions (61 – 64) : Se-
lect the related numbers/letters
from the given alternatives.

61. 25 : 125 : : 36 : ?
(1) 180   (2) 206
(3) 216   (4) 318

62. 9 : 80 : : 100 : ?
(1) 901   (2) 999
(3) 9889   (4) 9999

63. CAT : DEV : : HILL : ?
(1) CLL   (2) CLM
(3) CML   (4) CEP

64. KMP : LLII : : PRR : ?
(1) SLR   (2) QLI
(3) SLQ   (4) QSI

Directions (65 – 66) :
Choose the group of letters which
is different from others.

65. (1) CZIK   (2) MLAG
(3) XUBU   (4) SEXO
(5) JMPS   (6) ORUX

Directions (67 – 68) : In
each of the following letters series,
some of the letters are missing,
which are given in that order as
one of the alternatives below it.
Choose the correct alternatives.

67. bc _ b _ c _ bcb
(1) bbb   (2) cbc
(3) bcb   (4) cbb

68. aa _ ab _ aaa _
(1) abab   (2) aaab
(3) baab   (4) bbaa

69. In e.g. GSVRIV. is writ-
ten as CENTRAL be written in that
code ?
(1) DFOUSMM
(2) GIREVEP
(3) GNFJEER
(4) None of these

70. If GIVE is coded as 5137 and
BAT is coded as 924, how is
GATE coded ?
(1) 5427   (2) 5724
(3) 9247   (4) 9542

71. If *sky* is called *sea*, *sea* is called
water, *water* is called *air*, *air*
is called *cloud* and *cloud* is
called *river*, then what do we
drink when thirsty ?
(1) Sky   (2) Air
(3) Water   (4) Sea

72. If '*ati mra ksi*' stands for
'*clouds pour down*', '*nra bsi
mit*' stands for '*down be good*'
and '*bsi nro nga*' stands for
'*good down be*', which word
would mean '*pour*' ?
(1) nro   (2) mit
(3) ksi   (4) bsi

73. Pointing to a photograph,
Vipul said, "She is the daugh-
ter of my grandfather's only
son." How is Vipul related to
the girl in the photograph ?
(1) Father   (2) Brother
(3) Uncle
(4) None of these

Directions (74 – 78) : Read
the following information and an-
swer the questions based on it :

In a school, there were five
teachers. A and B were teaching
Hindi and English. C and B were
teaching English and Geography.
D and A were teaching Mathemat-
ics and Hindi. E and B were teach-
ing History and French.

74. Who among the teachers was
teaching maximum number
of subjects ?
(1) A   (2) B
(3) C   (4) D

75. Which of the following pairs
was teaching only Geography
and Hindi ?
(1) A and B
(2) B and C
(3) C and A
(4) None of these

76. More than two teachers were
teaching which subject ?
(1) History   (2) Hindi
(3) French   (4) Geography

77. D, B and A were teaching
which of the following sub-
jects ?
(1) English only
(2) Hindi and English
(3) Hindi only
(4) English and Geography

78. Who among the teachers was
teaching less than two sub-
jects ?
(1) A   (2) B
(3) C   (4) E
(5) There is no such teacher

Directions (79 – 80) : Read
the following information careful-
ly and answer the questions that
follow :

A, B, C, D, E and F are seat-
ed in a circle facing the centre. D
is between F and B. A is seated to
the left of D and second to the right
of E.

79. Who is facing A ?
(1) B
(2) D
(3) F
(4) Either F or B

80. Who among the following is
facing D ?
(1) A
(2) C
(3) E
(4) None of these

ARITHMETICAL AND NUMERICAL ABILITY

81. The length of a rectangle exceeds its breadth by 7 cms. If the length is decreased by 4 cm. and breadth is increased by 3 cm., then the area of new rectangle will be the same as the area of the original rectangle. What will be the perimeter of the original rectangle?
(1) 40 cm.　(2) 55 cm.
(3) 45 cm.　(4) 50 cm.

82. The average score of three boys in Mathematics is 20. When the score of the fourth boy is added to the total score of the three boys, the average is lowered to 25. What is the score of the fourth boy?
(1) 10 　 (2) 20
(3) 15 　 (4) 40

83. What is the 6th term in the sequence of 3, 6, 9, 11 and 18?
(1) 23 　 (2) 29
(3) 27 　 (4) 31

84. 10% of 20 + 20% of 10 = ?
(1) 10% of 20 (2) 1% of 200
(3) 20% of 10 (4) 2% of 200

85. The half life of a radioactive element is 5 years. The fraction of the radioactive substance that remains after 30 years is
(1) 1/8 　 (2) 1/16
(3) 1/32 　 (4) 1/64

86. A freight train left Delhi for Mumbai at an average speed of 40 kmph. Two hours later, an express train left Delhi for Mumbai following the freight train on a parallel track at an average speed of 60 kmph. How far from Delhi would the express train meet the freight train?
(1) 230 km 　 (2) 260 km
(3) 240 km 　 (4) 250 km

87. Four-fifth of a number is 10 more than two-third of the same number. What is the number?
(1) 75 　 (2) 85
(3) 70 　 (4) 69

88. A shopkeeper purchased 200 bulbs for Rs. 10 each. However, 5 bulbs were fused and had to be thrown away. The remaining bulbs were sold at Rs. 12 each. What will be the percentage profit ?
(1) 15 　 (2) 17
(3) 25 　 (4) 13

89. The sum of three consecutive even numbers is 252. What is the sum of the smallest and the largest numbers ?
(1) 158 　 (2) 148
(3) 168 　 (4) 198

90. Three years ago the average age of A and B was 18 years. While C joining them now, the average becomes 22 years. How old (in years) is C now ?
(1) 24 　 (2) 28
(3) 22 　 (4) 30

91. On a Rs. 10,000 payment order, a person has choice between 3 successive discounts of 10%, 10% and 30% and 3 successive discounts of 40%, 5% and 5%. By choosing the better one he can save (in Rs.)
(1) 200 　 (2) 400
(3) 255 　 (4) 433

92. Evaluation of $8^3 \times 8^2 \times 8^{-5}$ is
(1) 1 　 (2) 8
(3) 0 　
(4) None of these

93. The number of 3-digit numbers divisible by 6, is
(1) 149 　 (2) 166
(3) 150 　 (4) 151

94. A clock strikes once at 1 o'clock, twice at 2 o'clock, thrice at 3 o'clock and so on. How many times will it strike in 24 hours ?
(1) 78 　 (2) 136
(3) 156 　 (4) 196

95. In a group of cows and hens, the number of legs was 14 more than twice the number of heads. The number of cows is
(1) 5 　 (2) 7
(3) 10 　 (4) 12

96. A student was asked to multiply a given number by $\frac{4}{5}$. By mistake he divided it by $\frac{4}{5}$. His answer was 36 more than the correct answer. Find the given number:
(1) 80 　 (2) 60
(3) 36 　 (4) 40

97. The ratio of the volumes of cylinder and cone of equal radii and height is
(1) 1 : 2 　 (2) 3 : 1
(3) 1 : 1 　 (4) 1 : 3

98. If a person walks at 14 kmph instead of 10 kmph, he would have walked 20 km more. The actual distance travelled by him is
(1) 50 km 　 (2) 56 km
(3) 70 km 　 (4) 80 km

99. Evaluate combination $^{100}C_{100}$
(1) 10000 　 (2) 1000
(3) 1 　 (4) 100

100. In a certain cricket match Sachin, Saurav and Rahul together scored 162 runs. Saurav and Rahul together scored 66 runs less than Sachin's score. How many runs did Sachin make, how many runs did Saurav score ?
(1) 30 　 (2) 33
(3) 41 　 (4) 77
(4) Cannot be determined

101. A cat chases a rat. For every 5 leaps of the rat, the cat takes 3 leaps, but 2 leaps of the cat are the same as 3 leaps of the rat. Compare the speeds of the cat and the rat.
(1) 4 : 5
(2) 12 : 13
(3) 18 : 15
(4) None of these

102. Two numbers are in the ratio 1 : 6. If their HCF is 11, then what is their LCM?
(A) 230
(B) 220
(C) 330
(D) 66

103. $9^2 \times 10^2 + 11^2 + \dots + 20^2 = ?$
(A) $90\frac{10}{9}$
(B) $9 \times 10 + 11 + \dots + 20^2$
(C) $(1 \times 2) + (3 \times 4) + \dots$
(D) $(7 \times 4) + (6 \times 17)$

104. The remainder when 2^{251} is divided by 17 ?
(A) 170
(B) 2
(C) 1
(D) None of these

105. If $p^q = q^p = q$ and $\left(\frac{1}{3}\right) \cdot p^{q} + q^{p} \cdot \left(\frac{9}{1}\right)^{?}$ is equal to
(A) $\frac{3}{x}$
(B) $\frac{x}{3}$
(C) 3
(D) None of these

106. Find the value of $\frac{(a+b)^2}{(a-b)^2}$, if
$a = \frac{\sqrt{5}+\sqrt{2}}{\sqrt{5}-\sqrt{2}}$ and $ab = 1$
(A) 5832
(B) 5732
(C) 5784
(D) 5776

107. In an examination Amar got 8% less than the pass mark and Mohan got 20% more than the pass mark. If the difference between the percentages of their marks is 14, then what is the pass percentage?
(A) 60%
(B) 50%
(C) 40%
(D) Cannot be determined

108. Ajit gave a discount of 20% and his profit reduced from Rs. ... to Rs. 100. What is Ajit's cost price?
(A) Rs. 300
(B) Rs. 200
(C) Rs. 250
(D) Rs. 400

109. Three equal instalments, each of Rs. 200, were paid at the end of each year on a sum borrowed at 20% compound interest compounded annually. Find the sum.
(A) Rs. 400
(B) Rs. 421.35
(C) Rs. 432.10
(D) Rs. 442.10

110. The average age of six members of a family is 22 years. If the age of the youngest is 8 years, then find the average age of the family just before the birth of the youngest member.
(A) 17 years
(B) 16.8 years
(C) 18.5 years
(D) None of these

111. Eight kilograms of rice costing Rs. 16 per kg is mixed with four kilograms of rice costing Rs. 22 per kg. What is the average price of the mixture?
(A) Rs. 18
(B) Rs. 36
(C) Rs. 16
(D) None of these

112. 6 men earn as much as 8 women, 3 women earn as much as 5 girls, 4 girls earn as much as 6 boys. If a boy earns Rs. 500 per day, then find the earnings of a man per day.
(A) Rs. 1,120
(B) Rs. 1,250
(C) Rs. 1,050
(D) Rs. 1,250

113. A train, whose length is 130 m crosses a platform in 30 seconds while running at a speed of 45 kmph. Find the length of the platform.
(A) 345 m
(B) 255 m
(C) 365 m
(D) None of these

114. Find the area of a triangle given two of its sides as 12 cm and 16 cm and the included angle is 60° (in sq. cm)
(A) $48\sqrt{3}$
(B) $96\sqrt{3}$
(C) $46\sqrt{3}$
(D) $64\sqrt{3}$

115. What is the largest 4-digit number exactly divisible by 88?
(A) 9988
(B) 9944
(C) 9768
(D) 1056

116. What is the unit digit in $(6324)^{1797} \times (615)^{316} \times (341)^{476}$?
(A) 0
(B) 5
(C) 4
(D) 2

117. A and B are two taps, which can fill a tank individually in 10 minutes and 20 minutes respectively. However, there is a leakage at the bottom which can empty a filled tank in 40 minutes. If the tank is empty initially, how much time will both the taps take to fill the tank (leakage is still on)?
(A) 10 minutes
(B) 15 minutes
(C) 8 minutes
(D) 7 minutes

118. If an amount of Rs. 5,86,700 is distributed equally amongst 25 persons, then how much would each person get?
(A) Rs. 19,562
(B) Rs. 23,468
(C) Rs. 2,34,676
(D) Rs. 23,468

119. A train 280 metre long is moving at a speed of 60 kmph. The time taken by the train to cross a platform 220 metre long is
(A) 25 seconds
(B) 30 seconds
(C) 40 seconds
(D) 20 seconds

120. What number should replace both the question marks (?) in the following question?
$\dfrac{?}{144} = \dfrac{49}{?}$
(A) 95
(B) 76
(C) 82
(D) 84