14

J1

SECTION - I
ENGLISH

1. What is Gout ?
   - (A) A degenerative disorder
   - (B) A vascular disorder
   - (C) A renal disorder
   - (D) A metabolic disorder

2. The Civil Disobedience Movement was started in the year :
   - (A) 1905 AD
   - (B) 1920 AD
   - (C) 1930 AD
   - (D) 1942 AD

3. If 1ˢᵗ April, 2014 is Tuesday, then 1ˢᵗ June, 2014 will be :
   - (A) Thursday
   - (B) Friday
   - (C) Saturday
   - (D) Sunday

4. The currency of Japan is :
   - (A) Yen
   - (B) Pound
   - (C) Yuan
   - (D) Peso

5. In a certain code language, 'mink yang pe' means 'fruits are ripe'; 'pe lao may mink' means 'oranges are not ripe' and 'may pe nue mink' means 'mangoes are not ripe'. Which word in that language means 'mangoes' ?
   - (A) may
   - (B) pe
   - (C) nue
   - (D) mink

6. The product of two numbers is 7. One of the numbers is $\frac{3}{2}$. Find the sum of these two numbers.
   - (A) $8\frac{1}{2}$
   - (B) $5\frac{1}{2}$
   - (C) $7\frac{1}{7}$
   - (D) $6\frac{1}{6}$

7. The light of which colour is used to treat neonatal jaundice ?
   - (A) Red Light
   - (B) Yellow Light
   - (C) Orange Light
   - (D) Blue Light

8. There are 40 boys in a row. Ramesh is fourteenth from the right end of the row. What is his position from the left end of the row ?
   - (A) 27ᵗʰ
   - (B) 26ᵗʰ
   - (C) 25ᵗʰ
   - (D) 24ᵗʰ

9. Identify the part of Human Stomach which connects/joins with Oesophagus :
   - (A) Fundus
   - (B) Cardia
   - (C) Body
   - (D) Pylorus

10. Which one of the following is infectious Hepatitis ?
    - (A) Hepatitis A
    - (B) Hepatitis B
    - (C) Hepatitis C
    - (D) Hepatitis D

DMP001115

11. Internationally, the Nursing Day is observed on :
    (A) May, 12   (B) Nov, 14   (C) Oct, 24   (D) Dec, 22

12. Which one of the following vaccinations is necessary for pregnant lady ?
    (A) Tetanus   (B) BCG   (C) Rubella   (D) DPT

13. What is the chemical name of Aspirin (ASA) ?
    (A) Acetic Salicyclic Acid   (B) Acetyl Salicyclic Acid
    (C) Acetone Salicyclic Acid   (D) Amide Salicyclic Acid

14. Indian Standard Time (I.S.T.) refers to the local time of which one of the following places in India ?
    (A) Delhi   (B) Kolkata   (C) Allahabad   (D) Jaipur

15. The first stool of neonate is called :
    (A) Sebum   (B) Lenugo   (C) Meconium   (D) Vernix Caseosa

16. Mohan and Sohan, together can do a job in 12 days. Sohan alone can do this job in 28 days. In how many days can Mohan alone do this job ?
    (A) 21 days   (B) 16 days   (C) 24 days   (D) 20 days

17. Which one of the following is known as Poor Man's meat ?
    (A) Milk   (B) Fish   (C) Pulses   (D) Chicken

18. Rajan is sixth from the left end and Vinay is tenth from the right end in a row of boys. If there are eight boys between Rajan and Vinay, how many boys are there in the row ?
    (A) 23   (B) 24   (C) 25   (D) 26

19. Which of the following tests is used to detect Typhoid bacillus ?
    (A) VDRL   (B) WIDAL   (C) BCG   (D) UDRL

20. Find the 21st term of the following series :
    3, 9, 15, 21,..........
    (A) 123   (B) 129   (C) 117   (D) 135

21. Thalessemia is a congenital :
    (A) Defect in bones   (B) Blood disorder   (C) Neural defect   (D) Muscular defect

DMP001115

22. Rice Water Stool is a symptom of :
    (A) Dengue (B) Malaria (C) Cholera (D) Typhoid

23. Which of the following is a Presentation Graphics Software ?
    (A) MS Windows (B) MS Word
    (C) MS Excel (D) MS Power point

24. Who built 'Red Fort' at Delhi ?
    (A) Akbar (B) Shahjahan (C) Jehangir (D) Aurangzeb

25. Wilm's tumour affects which of the following ?
    (A) Liver (B) Kidney (C) Uterus (D) Skin

26. In a certain code, DOG is written as GRJ, then how will CAT be written in that code ?
    (A) FEW (B) FEV (C) FDW (D) EDV

27. Which one of the following blood group is universal recipient ?
    (A) A (B) O (C) AB (D) B

28. Bulimia Nervosa and Anorexia Nervosa are :
    (A) Sleep disorder (B) Eating disorder
    (C) Nervous disorder (D) None of these

29. Which city will host Olympic Games, 2020 ?
    (A) Madrid (B) Istanbul (C) Rio de Janeiro (D) Tokyo

30. One side of a rectangle is 40 metres and its diagonal is 50 metres. Find the perimeter of this rectangle.
    (A) 180 m (B) 140 m (C) 70 m (D) 90 m

31. What does an electronic spread sheet consist of ?
    (A) Rows (B) Columns (C) Cells (D) All of these

32. The general side effect of Penicillin is :
    (A) Rashes with itching (B) Fever
    (C) Renal Calculi (D) Gastro Intestinal disturbances

33. Complete the series :
    21, 47, 23, 49, 25, 51, 27, _____ ?
    (A) 29 (B) 53 (C) 31 (D) 55

DMP001115

34. Snellen chart is used for measuring _____?
    (A) Vision   (B) Hearing   (C) Smell   (D) Touch

35. Which is the largest Nerve in human body ?
    (A) Femoral Nerve   (B) Sciatic Nerve   (C) Pudendal Nerve   (D) Thoracic Nerve

36. A person spends $\frac{1}{4}$th part of his salary on food; $\frac{3}{8}$th part of his salary on house rent. He is now left with ₹ 4,800. Find his total salary.
    (A) ₹ 7,680   (B) ₹ 15,600   (C) ₹ 9,600   (D) ₹ 12,800

37. Which one of the following ion helps in blood clotting ?
    (A) Ca^{+2} (B) Mn^{+2} (C) K^+ (D) PO_4^{-2}

38. The weight of an infant baby becomes twice the birth weight at the age of :
    (A) 6 months   (B) 1 year   (C) 2 years   (D) 3 years

39. Angiography is X-ray visualization of :
    (A) Heart   (B) Lungs   (C) Blood clots   (D) Blood vessels

40. MMR vaccination is done for protection against :
    (A) Measles; Mumps; Rubella   (B) Measles; Mumps; Rabies
    (C) Measles; Malaria; Rabies   (D) Meningitis; Mumps; Rubella

41. Find the simple interest amount if ₹ 1,500 is lent out at the rate of 9% per annum simple interest for 6 years.
    (A) ₹ 810   (B) ₹ 900   (C) ₹ 1,350   (D) ₹ 675

42. Find the compound interest if ₹ 2,000 is lent out at the rate of 10% per annum, (compounded yearly) for 3 years.
    (A) ₹ 600   (B) ₹ 200   (C) ₹ 662   (D) ₹ 680

43. Which one of the following is a test for Diptheria ?
    (A) Mantoux test   (B) Schick test   (C) WIDAL test   (D) VDRL test

44. When we open an internet site, we see 'www'. What is the full form of 'www' ?
    (A) World Wide Web   (B) World Wide Word
    (C) Words Wise Web   (D) None of these

DMP001115

45. The number of chromosomes in normal human cell is :
   (A) 46   (B) 48   (C) 50   (D) 52

46. Which extension is given to word document by default ?
   (A) COM   (B) EXT   (C) DOC   (D) None of these

47. Who was called as the 'Grand old man of India' ?
   (A) Dadabhai Naoroji   (B) G. K. Gokhale
   (C) Mahatma Gandhi   (D) Rabindranath Tagore

48. Find the value of $(128)^{\frac{-2}{7}}$
   (A) 4   (B) $\dfrac{1}{4}$ (C) 24   (D) $\dfrac{1}{16}$

49. Paracetamol is not given to those patients who are already suffering from :
   (A) Liver disorder   (B) Kidney disorder   (C) Lung disorder   (D) G.I.T. disorder

50. Who is known as 'Lady with the Lamp' ?
   (A) Mother Teresa   (B) Sarojini Naidu
   (C) Florence Nightingale   (D) None of these

51. Which is the most effective method of disposal of hospital waste ?
   (A) By Recycling   (B) By Composting   (C) Dumping   (D) Incineration

52. Pointing to an old man, Kunal said, "His son is my son's uncle." How is the old man related to Kunal ?
   (A) Brother   (B) Grandfather   (C) Father   (D) Brother-in-law

53. What is the basic functional unit of kidney ?
   (A) Renal cortex   (B) Nephron   (C) Glomerulus   (D) Renal Medulla

54. The difference between the circumference and the diameter of a circle is 30 cms. The area of this circle is :
   (A) 154 cm^2 (B) 616 cm^2 (C) 308 cm^2 (D) 462 cm^2

55. The disorder that affects the memory and cognitive function in older persons is called :
   (A) Insomnia   (B) Paranoia   (C) Aphasia   (D) Dementia

DMP001115

56. Who gave the slogan 'Swaraj is my birth right and I shall have it' ?
    (A) Mahatma Gandhi   (B) Pandit Nehru
    (C) Subhash Chandra Bose   (D) Bal Gangadhar Tilak

57. Primary storage in computer terminology refers to :
    (A) Hard Disc Drive   (B) Random Access Memory (RAM)
    (C) Read Only Memory (ROM)   (D) None of these

58. Find the greatest 4-digit number which is exactly divisible by 13.
    (A) 9991   (B) 9997   (C) 9996   (D) 9993

59. If a 13 m long iron rod weighs 24.7 kg, then what will be the weight of 6 m long iron rod ?
    (A) 1.9 kg   (B) 11.4 kg   (C) 10.8 kg   (D) 11.9 kg

60. Which one of the following Cancer is associated with High Fat diet ?
    (A) Ovary Cancer (B) Lung Cancer (C) Colon Cancer (D) Liver Cancer

61. At present Reena is twice as old as Sunita. Three years ago, Reena was three times as old as Sunita was. How old is Reena now ?
    (A) 6 years   (B) 8 years   (C) 10 years (D) 12 years

62. Insulin is not administered through oral route because :
    (A) It causes GIT bleeding   (B) It causes Nausea and Vomiting
    (C) It is destroyed by GIT   (D) None of these

63. In which of the following states is 'Kakrapar Nuclear Power Station' located ?
    (A) Karnataka (B) Tamil Nadu (C) Maharashtra (D) Gujarat

64. Manoj walks 40 metres towards North. Then he takes left turn and walks 20 metres. He again takes left turn and walks 40 metres. How far and in which direction is he from the starting point ?
    (A) 100 m, North (B) 80 m, East (C) 60 m, West (D) 20 m, West

65. Green leafy vegetables are rich source of :
    (A) Vitamin A   (B) Vitamin B   (C) Vitamin C   (D) Vitamin D

66. Find the LCM (Lowest Common Multiple) of 15, 21 and 30.
    (A) 210   (B) 3   (C) 630   (D) 105

DMP001115

67. The full form of "AMBU" bag is :
    (A) Artificial Mouth Breathing Unit   (B) Artificial Manual Breathing Unit
    (C) Airway Mouth Breathing Unit   (D) None of these

68. The heart beat rate of new born babies is generally :
    (A) 75 beats per minute   (B) 80 beats per minute
    (C) 90 beats per minute   (D) 120 - 140 beats per minute

69. A boat takes 10 hours to travel 100 km downstream. It takes 15 hours to travel 75 km upstream. Then the speed of the boat in still water is :
    (A) 10 km/h   (B) 5 km/h   (C) $2\frac{1}{2}$ km/h   (D) $7\frac{1}{2}$ km/h

70. Disulfiram is a drug used in treatment of :
    (A) Malaria   (B) AIDS   (C) Alcoholism   (D) Mania

71. Fertilization process takes place in :
    (A) Ovary   (B) Fallopian tube   (C) Uterus   (D) Vagina

72. Hair colour in Humans turn white due to absence of which of the following pigments ?
    (A) Melanin   (B) Melatonin   (C) Bilirubin   (D) Biliverdin

73. Identify the Winner(s) of Nobel Peace Prize, 2014 :
    (A) Kailash Satyarthi and Malala Yousafzai
    (B) B. Obama
    (C) V. Putin
    (D) Jean Tirole

74. Express 0.7% in terms of fraction.
    (A) $\frac{7}{10}$ (B) $\frac{7}{100}$ (C) $\frac{7}{1000}$ (D) $\frac{7}{10000}$

75. The State of Jammu and Kashmir was accorded special status under :
    (A) Article 360 of constitution   (B) Article 370 of constitution
    (C) Article 380 of constitution   (D) Article 356 of constitution

76. Which one of the following is due to deficiency of Vitamin 'D' ?
    (A) Night Blindness   (B) Pellagra   (C) Rickets   (D) Kwashiorkor

77. 18th SAARC Summit was recently held in November, 2014 at :

(A) Thimpu   (B) Dhaka   (C) Kathamandu   (D) New Delhi

78. Complete the series :

6, 11, 21, 36, ____?____, 81, 111.

(A) 46   (B) 51   (C) 56   (D) 71

79. The White Lines formed in the lower part of abdomen during pregnancy are called :

(A) Pregnancy Mask   (B) Linea Nigra

(C) Striae Gravidarum   (D) None of these

80. Arrange the following fractions in descending order :

$$\frac{1}{2}, \frac{3}{5}, \frac{3}{10}, \frac{21}{50}$$

(A) $\frac{3}{5} > \frac{1}{2} > \frac{21}{50} > \frac{3}{10}$ (B) $\frac{21}{50} > \frac{3}{5} > \frac{3}{10} > \frac{1}{2}$

(C) $\frac{1}{2} > \frac{3}{5} > \frac{3}{10} > \frac{21}{50}$ (D) $\frac{3}{10} > \frac{21}{50} > \frac{3}{5} > \frac{1}{2}$

81. In which of the following years did the Right to Information Act come into force ?

(A) 2002 AD   (B) 2003 AD   (C) 2004 AD   (D) 2005 AD

82. Which one of the following is called the Power House of the cell ?

(A) Nucleus   (B) Ribosome   (C) Lysosome   (D) Mitochondria

83. A man is walking at a speed of 3.5 kmph. Find the distance covered by him in 15 minutes.

(A) 875 m   (B) 525 m   (C) 850 m   (D) 675 m

84. The main symptom of Pemphigus is :

(A) Red Spots   (B) Bluish Spots   (C) Small Vesicles   (D) Large Vesicles

85. The normal blood pressure of an Adult is :

(A) 120/80   (B) 120/100   (C) 150/100   (D) 150/60

86. If the Cost Price is ₹ 120 and Selling Price is ₹ 90, then find the loss percentage.

(A) 30%   (B) $33\frac{1}{3}\%$ (C) 25%   (D) 75%

DMP001115

87. HCF and LCM of two numbers are 8 and 320 respectively. If one of the numbers is 64, find the other number.

(A) 40   (B) 80   (C) 32   (D) 48

88. The average salary of 15 teachers is ₹ 4,500 per month, 5 teachers now leave the school. The average salary of remaining 10 teachers now is ₹ 4,200 per month. Find the total salary per month of the 5 teachers who left the school.

(A) ₹ 24,000   (B) ₹ 25,000   (C) ₹ 27,000   (D) ₹ 25,500

89. Chicken Pox is caused due to infection by :

(A) Fungi   (B) Bacteria   (C) Virus   (D) Protozoa

90. Which one of the following Teeth are used for crushing and grinding of food ?

(A) Canine   (B) Incisor   (C) Molar   (D) Premolar

91. If L stands for (+) ; M stands for (−) ; N stands for (×) and P stands for (÷), then find the value of :

14 N 10 L 42 P 2 M 8 = ?

(A) 153   (B) 216   (C) 248   (D) 251

92. The feeling of fetus movement by mother is known as :

(A) Ballottement   (B) Palmar Sign   (C) Hegar Sign   (D) Quickening

93. Which one of the following is known as the "Great Circle" ?

(A) Equator   (B) Arctic Circle
(C) Tropic of Cancer   (D) Tropic of Capricorn

94. Who is called the "Indian Napoleon" ?

(A) Samudragupta   (B) Chandragupta II
(C) Ashoka   (D) Skandagupta

95. Find the sum of squares of first 8 natural numbers i.e. $(1^2 + 2^2 + 3^2 + \cdots\cdots + 8^2)$

(A) 184   (B) 194   (C) 204   (D) 72

96. Choose the correct alternative to complete the following series :

a _ ba _ b _ b _ a _ b

(A) abaab   (B) abbab   (C) aabba   (D) bbabb

DMP001115

J1 23

97. Who is Defence Minister of India ? (As on 01.12.2014)

(A) Rajnath Singh   (B) Manohar Parrikar

(C) Arun Jaitley   (D) Smriti Irani

98. Complete the series :

1, 4, 27, 16, ___?___, 36, 343.

(A) 25   (B) 120   (C) 125   (D) 81

99. A man is facing East. He turns 100° in the clockwise direction and then turns 145° in the anti-clockwise direction. Which direction is he facing now ?

(A) East   (B) North - East   (C) North   (D) South - West

100. If 1000 men can do a job in 12 days, in how many days will 1200 men do this job ?

(A) 6 days   (B) 8 days   (C) 9 days   (D) 10 days

- oOo -

DMP001115