

SECTION - I

ENGLISH

1. The characteristic of enantiomers is :
(A) only that they are chemically identical
(B) only that they are mirror images of each other
(C) both (A) and (B)
(D) none of these

2. The guardian of the Indian Constitution is the :
(A) Supreme Court of India (B) High Court
(C) President of India (D) Prime Minister of India

3. Repeated urination while sleeping, even after five years of age is called :
(A) Eneuresis (B) Tic (C) Stuttering (D) Encopresis

4. In a certain code '253' means "books are old", '546' means "man is old" and '378' means "buy good books". What stands for "are" in that code ?
(A) 2 (B) 4 (C) 5 (D) 6

5. Atmospheric pressure is important in the process of _____.
(A) Blood Flow (B) Micturition (C) Reproduction (D) Breathing

6. In a certain code, if BHOPAL is written as EERMDI, then how will POWDER be written in the same code ?
(A) SLZAHO (B) SRZGHU (C) NMUBCP (D) NRUGCU

7. The permanent stopping of the menstrual cycle in women is called :
(A) Menopause (B) Menarche (C) Dismenorrhea (D) Amenorrhea

8. Which of the following vitamins is soluble in water ?
(A) Vitamin A (B) Vitamin C (C) Vitamin K (D) Vitamin D

9. A is 40 metres south-west of B, C is 40 metres south-east of B, then C is in which direction from A ?
(A) South (B) West (C) East (D) North-East
10. The Aligarh Muslim University was founded by :
(A) Dr. Saifuddin Kichlu (B) Sir Syed Ahmad Khan
(C) Mohammad Ali Jinnah (D) Maulana Mohammad Ali
11. Of the following, which is the most common site for metastasis in lung cancer ?
(A) Kidney (B) Stomach (C) Liver (D) Spleen
12. Express 45 minutes as a fraction of a day :
(A) $\frac{1}{32}$ (B) $\frac{1}{40}$ (C) $\frac{1}{60}$ (D) $\frac{1}{24}$
13. When are the chances of acute endometritis developing in a woman ?
(A) after menopause (B) after menarche
(C) after abortion or childbirth (D) in childhood
14. Psychoanalytic Therapy was developed by :
(A) Sigmund Freud (B) Jacobson (C) Franklin (D) Aristotle
15. What should be the temperature of water used for cold sponging ?
(A) 98° F (B) 105° F (C) 70° F (D) 0° F
16. A train running at a speed of 30 metres/sec crosses a platform 600 metres long in 30 seconds. The length of the train is :
(A) 120 metres (B) 150 metres (C) 200 metres (D) 300 metres
17. Which of the following is not found in urine ?
(A) Only glucose (B) Only protein
(C) Only Red blood cells (D) All of the above

18. Which of these fractions is the largest ?

- (A) $\frac{6}{7}$ (B) $\frac{5}{6}$ (C) $\frac{7}{8}$ (D) $\frac{4}{5}$

19. Hallucination is caused by :

- (A) Gastro-intestinal disorder (B) Mental illness
(C) Disorder of reproductive organs (D) Infectious disease

20. Which artery supplies oxygenated blood to the stomach ?

- (A) Carotid artery (B) Gastric artery (C) Celiac artery (D) Cephalic artery

21. Five words are given below. Four of them are similar. Choose the word which is **not** similar to the remaining words :

Paper, Wool, Wood, Plastic, Leather :

- (A) Paper (B) Wool (C) Wood (D) Plastic

22. Select the letter-series which follows the rule :

"Number of letters skipped in reverse order in between adjacent letters in the series is constant".

- (A) SPMJG (B) SPNLJ (C) SQOLJ (D) WUTRQ

23. Five words are given below. Four of them are similar. Choose the word which is **not** similar to the remaining words :

Ink, Paper, Pencil, Pen, Sharpener :

- (A) Ink (B) Paper (C) Pencil (D) Sharpener

24. A is the brother of B. B is the son of C. D is C's father. Then, what is A of D ?

- (A) Brother (B) Grandson (C) Son (D) Grandfather

25. Which nutrient is **not** found in eggs ?

- (A) Carbohydrate and Vitamin-C (B) Protein and calcium
(C) Fat and Vitamin-D (D) Protein and Iron

26. Which of the following is **not** a symptom of depression ?

- (A) Loss of interest in daily activities (B) Delusion of guilt
(C) Suicidal ideas (D) Delusion of grandiosity

27. The goal of management of Glaucoma is :
- (A) Only to increase the inflow of aqueous humor
(B) Only to increase the outflow of aqueous humor
(C) Only to increase the production of aqueous humor
(D) All of these
28. Which is the best test for detecting Liver dysfunction ?
- (A) Serum albumin (B) Serum bilirubin (C) SGPT (D) Prothombin time
29. Find the next term in the series :
A3B, C7D, E11F, G15H, ___?___
- (A) I20J (B) I19K (C) J19K (D) I19J
30. Select the letter-series which follows the rule :
"Number of letters skipped in between adjacent letters in the series doubles every time".
- (A) ADIPY (B) BDGLU (C) EGJOF (D) GJNSY
31. 8th April 1930 is well known in history of India because this date is associated with :
- (A) Dandi March by Mahatma Gandhi
(B) Quit India Movement
(C) Partition of Bengal
(D) Partition of India
32. Select the pair which has the same relationship as the pair Birds : Wings.
- (A) Whale : Water (B) Dog : Lungs (C) Car : Wheel (D) Pen : Paper
33. Out of the "chemical forces" or bonds listed below, the strongest one is _____.
- (A) Van der waal's (B) Dipole (C) Covalent (D) Hydrophobic
34. Which valve prevents backward flow of blood into the left atrium ?
- (A) Aortic valve (B) Pulmonary valve
(C) Tricuspid valve (D) Mitral valve
35. The _____ membranes surround the lungs.
- (A) pericardial (B) mediastinal (C) pleural (D) peritoneal

36. When two numbers are separately divided by 33 the remainders are 21 and 28 respectively. If the sum of the two numbers is divided by 33 the remainder will be :
- (A) 10 (B) 12 (C) 14 (D) 16
37. Which complication of IV infusion can cause pulmonary edema or heart failure ?
- (A) Infiltration (B) Circulatory overload
(C) Infection (D) Pyrogenic reactions
38. Abnormal communication between the urinary and genital tract is called Geneto Urinary_____.
- (A) Fistula (B) Tumour (C) Atresia (D) Prolapse
39. What is the main reason for angina pectoris ?
- (A) Neurological disease (B) Gastric disease
(C) Respiratory disease (D) Cardiac disease
40. Which division of the nervous system initiates a response known as fight or flight ?
- (A) The parasympathetic nervous system
(B) The sympathetic nervous system
(C) The somatic nervous system
(D) None of these
41. The commonest cause of maternal morbidity in India is :
- (A) Anaemia (B) Haemorrhage (C) Abortion (D) Sepsis
42. Find the next number in the series :
11, 16, 23, 32, 43, ____?
- (A) 56 (B) 55 (C) 57 (D) 54
43. Find the next number in the series :
885, 870, 855, 840, ____?
- (A) 835 (B) 855 (C) 825 (D) 815
44. World's first White Tiger Safari is set to come up in which state of India ?
- (A) West Bengal (B) Kerala (C) Madhya Pradesh (D) Gujarat

45. Out of the following, which medicines are used for intestinal evacuation ?
(A) Cathartics (B) Carminatives (C) Astringents (D) Antimycotics
46. The abolition of "Sati" by government regulation was at the time of :
(A) Warren Hastings (B) Lord Wellesley
(C) Lord Amherst (D) Lord Bentinck
47. The destruction of alveolar walls is called :
(A) Emphyema (B) Bronchitis (C) Emphysema (D) Lung abcess
48. According to World Health Organisation, "low birth weight" means a weight of less than :
(A) 2.8 Kgs (B) 2.7 Kgs (C) 2.5 Kgs (D) 2.3 Kgs
49. An agent which kills pathogenic bacteria is called :
(A) Asepsis (B) Disinfectant (C) Fomite (D) Bacteriostat
50. Select the pair which has the same relationship as the pair Spider : Web.
(A) Ink : Pen (B) Poet : Poetry (C) Cock : Hen (D) Teacher : Student
51. Vitamin B1 is also known as :
(A) Niacin (B) Thiamine (C) Riboflavin (D) Pyridoxin
52. A bag contains ₹ 90, comprising 50 paise, 25 paise and 10 paise coins. If the ratio of 50 paise, 25 paise and 10 paise coins is 2 : 3 : 5, then the number of 25 paise coins will be :
(A) 80 (B) 120 (C) 100 (D) 135
53. In a certain code language, '479' means "fruit is sweet", '248' means "very sweet voice" and '637' means "eat fruit daily". Which digit stands for "is" in that language ?
(A) 4 (B) 7 (C) 9 (D) 8
54. A and B can do a job in 72 days. B and C can do the same job in 120 days, and A and C can do the same job in 90 days. In how many days will all the three take to complete the job ?
(A) 80 days (B) 100 days (C) 60 days (D) 150 days

55. If gut motility is increased then :
- (A) Drug absorption is decreased (B) Drug absorption is increased
(C) Drug absorption is not affected (D) Nothing definite can be said
56. Name the Indian participant in Miss World 2014 competition.
- (A) Vanya Mishra (B) Priyanka Chopra
(C) Koyal Rana (D) Navneet Kaur Dhillon
57. An energy consuming process by which cells of the human body absorb molecules (such as proteins) by engulfing them is called _____.
- (A) lipid diffusion (B) aqueous diffusion (C) exocytosis (D) endocytosis
58. If the IQ of a child is 45, in which category of Mental Retardation will he be categorised ?
- (A) Mild mental retardation (B) Moderate mental retardation
(C) Severe mental retardation (D) Profound mental retardation
59. Data (information) is stored in computers in the form of :
- (A) Files (B) Directories (C) Floppies (D) Matter
60. The device primarily used to provide a hard copy is the :
- (A) Hard Disk (B) CPU (C) Printer (D) Card Reader
61. If the cost price of 10 chairs is equal to the selling price of 16 chairs, then the loss percent is :
- (A) 37.5% (B) 20% (C) 9.6% (D) 17.5%
62. Out of four numbers, the average of first 3 is 15 and the average of the last 3 is 16. If the last number is 19, the first number is :
- (A) 19 (B) 15 (C) 16 (D) 18
63. CAD stands for :
- (A) Computer Aided Design (B) Computer Algorithm for Design
(C) Computer Applications for Design (D) None of these
64. Kalyani is the mother in law of Veena, who is sister-in-law of Ashok. Dheeraj is the father of Sandeep, the only brother of Ashok. How is Kalyani related to Ashok ?
- (A) Mother-in-law (B) Mother (C) Aunt (D) Wife

65. Still-birth rate includes babies dead after :
(A) 20 weeks (B) 24 weeks (C) 28 weeks (D) 32 weeks
66. In which organ does the maximum absorption of Iron take place ?
(A) Stomach (B) Small Intestine (C) Colon (D) Liver
67. A man sold an article at a loss of 20%. If he had sold it for ₹ 50 more, he would have gained 5%. The cost price of the article was :
(A) ₹ 250 (B) ₹ 300 (C) ₹ 180 (D) ₹ 200
68. Entomology is the science that studies :
(A) behaviour of human beings (B) insects
(C) behaviour of ants (D) formation of rocks
69. In which state is the Tehri Hydro-electric project located ?
(A) Himachal Pradesh (B) Uttar Pradesh
(C) Uttaranchal (D) Bihar
70. Which of the following types of dances is essentially a solo dance ?
(A) Kuchipudi (B) Manipuri (C) Kathak (D) Mohiniattam
71. Select the pair which has the same relationship as the pair Iodine : Goitre.
(A) Mango : Anaemia (B) Insulin : Diabetes
(C) Hormones : Cancer (D) Fat : Obesity
72. The simple interest on a certain sum at a rate of 5% per annum for 3 years and 4 years differs by ₹ 42. The sum is :
(A) ₹ 210 (B) ₹ 280 (C) ₹ 750 (D) ₹ 840
73. Lavani is a :
(A) Marathi Folk song (B) Musical Instrument
(C) Indian Language (D) None of these
74. A 150 metre long train crosses a 500 metre long bridge in 30 seconds. What time will it take to cross a platform 370 metre long ?
(A) 36 seconds (B) 30 seconds (C) 24 seconds (D) 18 seconds

84. Which of the following is significantly different between human and cow's milk ?
(A) Proteins and Fat (B) Proteins and sugar
(C) Proteins and Lactose (D) Minerals
85. After menopause in women the chances of her developing osteoporosis increase because of :
(A) Decrease in oestrogen levels (B) Increase in oestrogen levels
(C) Decrease in LH levels (D) Decrease in FSH levels
86. In a certain code, APRIL is written as BQSJM. What is the word whose code is HSFFO ?
(A) INDIA (B) GREAT (C) TREES (D) GREEN
87. Find the missing term :
PART : TRAP :: POTS : ____?
(A) TOPS (B) OPTS (C) STOP (D) SPOT
88. Which of these is an example of a neurotransmitter ?
(A) Only Dopamine (B) Only Norepinephrine
(C) Only Acetylcholine (D) All of these
89. The reason why lipstick and nail-polish is removed before surgery is :
(A) Surgery becomes easier
(B) Surgery becomes more successful
(C) Psychological benefits to the patient
(D) Cyanosis is checked
90. Which of the following is a main side effect of an Intra-Uterine Device ?
(A) Vaginal Bleeding (B) Pelvic Inflammatory disease
(C) Uterine perforation (D) Ectopic pregnancy
91. Which of the following are the fastest, biggest and most expensive computers ?
(A) Personal Computers (B) Super computers
(C) Laptops (D) Notebook PCs

92. 3 men or 5 women can do a job in 12 days. How long will 6 men and 5 women working together take to complete the job ?
(A) 4 days (B) 5 days (C) 6 days (D) 7 days
93. Most drugs have a molecular weight between :
(A) 1 - 10 (B) 10 - 100 (C) 250 - 350 (D) Greater than 500
94. The main function of kidney is to :
(A) eliminate oxygen
(B) regulate fluid balance and removing waste products
(C) metabolise vitamins
(D) eliminate carbon dioxide
95. Different seasons are formed because :
(A) Sun is moving around the Earth (B) Earth is moving around the Sun
(C) Earth rotates on its own axis (D) None of these
96. A man started walking with his back towards the Sun. After sometime, he turned left, then he turned right and then towards the left again. In which direction is he going now ?
(A) North or South (B) East or West (C) North or West (D) South or West
97. Barack Obama will become the _____ President of America to participate in India's Republic Day celebrations on Jan 26, 2015.
(A) Second (B) First (C) Third (D) None of these
98. A sailor goes 12 km downstream in 48 minutes and returns in 1 hr and 20 minutes. The speed of the sailor in still water is :
(A) 12 km/hr (B) 12.5 km/hr (C) 13 km/hr (D) 15 km/hr
99. The speed of a boat along the stream is 12 km/hr and against the stream is 8 km/hr. The time taken by the boat to sail 24 km in still water is :
(A) 2 hours (B) 2.4 hours (C) 3 hours (D) 1.2 hours
100. If X is the brother of the son of Y's son, how is X related to Y ?
(A) Son (B) Brother (C) Cousin (D) Grandson