

150/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The river Island *Majuli* is in :  
(A) The Yamuna (B) The Ganges  
(C) The Brahmaputhra (D) The Indus
2. Who was considered as the Architect of Indian Nationlism?  
(A) Raja Ram Mohan Roy (B) Annie Besant  
(C) Gandhiji (D) Dadabhai Naoroji
3. Attapady Black is an indigenous variety of :  
(A) Fowl (B) Goat  
(C) Dog (D) Cow
4. Who got World Food Prize for 2014?  
(A) Sanjaya Rajaram (B) Vijay Seshadri  
(C) Manjul Bhargava (D) Xu Youyu
5. Who is the author of *Aarachar*?  
(A) K.R. Meera (B) Sugathakumari  
(C) O.N.V. Kurupp (D) M.T. Vasudevan
6. The first Indian who visited Europe was :  
(A) Gandhiji (B) A.K. Gopalan  
(C) M.N. Roy (D) Raja Ram Mohan Roy
7. Which of the following is incorrect regarding Vaikunda Swami?  
(A) Samatva Samajam (B) Mudichoodum Perumal  
(C) Sidhasramam (D) Muthukutti Swami
8. Western ghats are spread over in :  
(A) 6 states (B) 4 states  
(C) 8 states (D) 10 states

9. Partition of Bengal was made by :
- (A) Lord Irwin (B) Lord Linlithgow  
(C) Lord Wellesley (D) Lord Curson
10. Who founded The Social Service League in 1911?
- (A) H.N. Kunzru (B) Shri Ram Bajpai  
(C) N.M. Joshi (D) Ram Singh
11. The Quit India Resolution was passed in :
- (A) 1940 (B) 1942  
(C) 1946 (D) 1930
12. Which is the largest agro-based industry in India?
- (A) Sugar Industry (B) Tea Industry  
(C) Cotton Textile Industry (D) Jute Industry
13. The Bharathapuzha originates from :
- (A) Anamala (B) Peerumedu hills  
(C) Sivagiri hills (D) Nilamboor hills
14. The main actor of the film OTTAAL :
- (A) Mohanlal (B) Mammutti  
(C) Shashikpoor (D) Vasavan
15. The capital of Yemen :
- (A) Aden (B) Djibouti  
(C) Salalah (D) Sana'a
16. The Darsanamala in Sanskrit is the most important work of :
- (A) Sree Narayana Guru (B) Sankaracharya  
(C) Chattampi Swami (D) Ayyankali
17. Which of the following is not a fresh water lake in Kerala?
- (A) Pookodu lake (B) Vellayani lake  
(C) Vembanadu lake (D) Sasthamcotta lake

18. India was defeated in the semi-final of World Cup Cricket in 2015 by :
- (A) Australia (B) Newzealand  
(C) South Africa (D) West Indies
19. Genghis Khan was the ruler of :
- (A) Iranian Empire (B) Chinese Empire  
(C) Mauryan Empire (D) Mongol Empire
20. Which of the following two cities became capitals of two countries in 1911?
- (A) New Delhi and Cape Town (B) New Delhi and Canberra  
(C) New Delhi and Nairobi (D) New Delhi and Tokyo
21. 'n' equal resistors each having resistance 'R' ohms are connected in series and then in parallel. What is the ratio of the effective resistances in the two cases?
- (A)  $nR$  (B)  $\frac{R}{n}$   
(C)  $n^2$  (D)  $n^2R$
22. The phenomenon occuring when light enters from denser medium to rarer medium and angle of incidence is greater than the critical angle :
- (A) Diffraction (B) Total internal reflection  
(C) Polarisation (D) Refraction
23. A certain radio active element has a half life of 20 days. How long will it take for 75% of its atoms originally present to disintegrate?
- (A) 20 days (B) 40 days  
(C) 60 days (D) 80 days
24. The area under velocity time graph of non-uniform one dimensional motion gives :
- (A) Displacement (B) Acceleration  
(C) Speed (D) Work
25. Light year is the unit of :
- (A) Time (B) Velocity  
(C) Light intensity (D) Distance

26. Which is the correct statement?
- (A) NaCl is a molecular solid  
(B) All ionic solids are cubic crystals  
(C) Covalent solids are soft or hard  
(D) All ionic solids dissolve in water
27. Which is the protein present in egg?
- (A) Casein  
(B) Haemoglobin  
(C) Albumin  
(D) Globulin
28. Metal which is a liquid above 29°C :
- (A) Aluminium  
(B) Lithium  
(C) Caesium  
(D) Zinc
29. Which is a reason of "acid rain"?
- (A)  $H_2SO_4$   
(B)  $HNO_3$   
(C)  $CO_2$   
(D)  $SO_3$
30. Sodium salts of higher fatty acids are :
- (A) Detergents  
(B) Soaps  
(C) Fats  
(D) Oils
31. Carrot is a modification of :
- (A) Stem  
(B) Leaf  
(C) Root  
(D) Flower
32. Minamata disease is caused by :
- (A) Cadmium  
(B) Mercury  
(C) Nitrite  
(D) Chromium
33. Which organism is used as single cell protein (SCP)?
- (A) Azolla  
(B) Spirulina  
(C) Brassica  
(D) Fusarium
34. Which organelle is known as 'Cell Skeleton' :
- (A) Endoplasmic Reticulum  
(B) Ribosome  
(C) Mitochondria  
(D) Lysosome

35. Identify the plasmid from the following :
- (A) Bam H1 (B) Sal 1  
(C) Cla 1 (D) PBR322
36. The rate of breathing during rest in adult is :
- (A) 12 – 16/minute (B) 18 – 22/minute  
(C) 40 – 60/minute (D) 70 – 72/minute
37. In DNA of certain organism, cytosine constitute 20% of the base. What would be the percentage of adenine :
- (A) 10% (B) 20%  
(C) 30% (D) 40%
38. The person with Turner's syndrome has :
- (A) 44 autosomes and XXY sex chromosomes  
(B) 44 autosomes and XO sex chromosomes  
(C) 44 autosomes and XYY sex chromosomes  
(D) 44 autosomes and XXX sex chromosomes
39. An immunoglobulin abundant in colostrum is :
- (A) IgG (B) IgE  
(C) IgM (D) IgA
40. A surgical sterilisation technique for males :
- (A) Tubectomy (B) Vasectomy  
(C) MTP (D) Essure
41. Father of Public Health is :
- (A) Hippocrates (B) Chadwick  
(C) John Snow (D) Cholera
42. The drug used for the prevention of Leptospirosis among high risk group is :
- (A) Benzyl Penicillin (B) Doxycycline  
(C) Amoxicillin (D) Ampicillin

43. The Human Development Index (HDI) is calculated now using the following indicators except :
- (A) Adult literacy rate (B) Life expectancy at birth  
(C) Mean years of schooling (D) Expected years of schooling
44. The ability to induce clinically apparent illness is :
- (A) Virulence (B) Infectivity  
(C) Pathogenicity (D) Infestation
45. Census population in India is calculated as on :
- (A) April 1<sup>st</sup> (B) January 1<sup>st</sup>  
(C) March 1<sup>st</sup> (D) July 1<sup>st</sup>
46. In Kerala, the Yellow fever vaccination for International travellers is given at :
- (A) Public Health Lab, Thiruvananthapuram  
(B) Port Health Organisation, Kochi  
(C) Public Health Lab, Kozhikode  
(D) International Airport, Nedumbasseri
47. The ratio between probability of an event of interest occurring to the probability that it does not occur is called :
- (A) Bias (B) Risk  
(C) Attributable Risk (D) Odds
48. The "Framingham heart study" is an example for :
- (A) Cohort study (B) Case control study  
(C) Randomised Controlled trials (D) Preventive trials
49. An endemic occurring in animal population is called :
- (A) Epizootic (B) Enzootic  
(C) Epornithic (D) Exotic
50. When an antigen is administered to human body, the antibody that is elicited first is?
- (A) IgG (B) IgE  
(C) IgM (D) IgA

51. In vaccines, Thiomersal is used as :
- (A) Adjuvant (B) Antibiotic  
(C) Stabiliser (D) Preservative
52. The vaccines which must be stored in the COLD PART but never allowed to freeze include all except :
- (A) Measles (B) DPT  
(C) TT (D) DT
53. How many fully frozen icepacks used for lining Vaccine carrier?
- (A) 2 (B) 4  
(C) 6 (D) 8
54. Abrupt onset of fever, vomiting and watery diarrhoea within a few hours of immunisation could be due to :
- (A) Toxic Shock Syndrome  
(B) Sub acute Sclerosing Pan Encephalitis  
(C) Sepsis  
(D) Hypotonic Hyporesponsive Episode
55. The classical triad of defects in Congenital Rubella Syndrome includes all except :
- (A) Deafness (B) Cataract  
(C) Cardiac malformations (D) Phocomelia
56. The Antiviral drug used for the management of Swine Flu is :
- (A) Abacavir (B) Tenofovir  
(C) Oseltamivir (D) Ritonavir
57. The drug of choice for the treatment of Pneumonia as per ARI control programme is :
- (A) Ampicillin (B) Chloramphenicol  
(C) Cloxacillin (D) Cotrimoxazole
58. Multidrug resistance TB is resistance to at least :
- (A) Both Isoniazid and Rifampicin (B) Either Isoniazid or Rifampicin  
(C) Both Fluoroquinolone and Amikacin (D) Either Fluoroquinolone or Amikacin

59. The dose of BCG for newborn baby aged below 4 weeks is :
- (A) 0.1 ml (B) 0.01 ml  
(C) 0.05 ml (D) 0.5 ml
60. Hepatitis E is transmitted mainly through :
- (A) Food borne transmission (B) Feco oral route  
(C) Transfusion of infected blood products (D) Vertical transmission
61. The leading cause of severe dehydrating diarrhoea in children < 5 years globally is :
- (A) Vibrio cholerae 01 (B) Escherichia coli  
(C) Shigella (D) Rotavirus
62. The asexual cycle in Malaria begins when an infected mosquito bites a person and injects :
- (A) Merozoites (B) Hypnozoites  
(C) Sporozoites (D) Gametocytes
63. The causative agent of Q Fever is :
- (A) Coxiella burnetii (B) Rickettsia typhi  
(C) Rickettsia tsutsugamushi (D) Rickettsia prowazeki
64. India achieved the goal of Leprosy elimination at the National level in the year of :
- (A) 2002 (B) 2005  
(C) 2007 (D) 2010
65. "Syndromic approach" is used in the management of :
- (A) Sexually Transmitted Diseases (B) Dengue Fever  
(C) Avian Flu (D) Kyasanur Forest Disease
66. According to WHO recommendation for diagnosis of Diabetes, the fasting plasma glucose level is :
- (A)  $\geq 110\text{mg/dl}$  (B)  $\geq 120\text{mg/dl}$   
(C)  $\geq 126\text{mg/dl}$  (D)  $\geq 140\text{mg/dl}$
67. The programme which entitles all pregnant women delivering in public health institution to absolutely free and no expense delivery is :
- (A) JSY (B) JSSK  
(C) RSBY (D) RMNCH

68. The term "eligible couple" refers to :
- (A) Recently married couple where wife is in the age group of 15 to 45 years
  - (B) Recently married couple where wife is in the age group of 18 to 45 years
  - (C) Currently married couple where wife is in the age group of 18 to 45 years
  - (D) Currently married couple where wife is in the age group of 15 to 45 years
69. The Cu- T which is used now under the National Family Welfare Programme in India is :
- (A) Cu- T -200 B
  - (B) Cu-T- 380 A
  - (C) Cu-T -220 C
  - (D) Nova T
70. The conditions under which a pregnancy can be terminated under MTP Act 1971 includes all except :
- (A) Eugenic
  - (B) Humanitarian
  - (C) Socioeconomic
  - (D) Idiopathic
71. In the "Mother and Child Protection Card", the zone of severely underweight is :
- (A) Below -1 SD
  - (B) Below -2 SD
  - (C) Below -3 SD
  - (D) Below -4 SD
72. The disinfecting action of Chlorine is mainly due to :
- (A) Hypochlorous acid
  - (B) Hypochlorite ions
  - (C) Hydrochloric acid
  - (D) Hypochlorite acid
73. Important confirmatory evidence of recent fecal pollution of water is presence of :
- (A) Coliform organisms
  - (B) Fecal streptococci
  - (C) Cl.perfringens
  - (D) Klebsiella
74. The methods for removal of temporary hardness include all except :
- (A) Boiling
  - (B) Permutit process
  - (C) Naldonda Technique
  - (D) Addition of lime
75. The instrument used for measuring the "cooling power" of air is :
- (A) Globe thermometer
  - (B) Wet globe thermometer
  - (C) Silvered thermometer
  - (D) Kata thermometer

76. The development of filarial parasite in culex mosquito is an example for :
- (A) Cyclo-developmental (B) Intrinsic development  
(C) Propagative development (D) Cyclopropagative development
77. The treatment plan for severe dehydration in diarrhoea as per WHO protocol is :
- (A) Plan A (B) Plan B  
(C) Plan C (D) Plan D
78. The Amino acid deficient in pulse protein is :
- (A) Lysine (B) Threonine  
(C) Leucine (D) Methionine
79. The insecticide which is extracted from the flowers of *Chrysanthemum cinerariaefolium* is :
- (A) Abate (B) Pyrethrum  
(C) Fenthion (D) Paris green
80. Bromadiolone is used as :
- (A) Rodenticide (B) Mosquito repellent  
(C) Stomach poison (D) Fumigant
81. Pneumoconiosis of lung is caused by dust within the size of :
- (A) 0.3 to 0.5 micron (B) 0.3 to 5 micron  
(C) 0.5 to 3 micron (D) 3 to 5 micron
82. "Rajiv Gandhi Shramik Kalyan Yojna" under the ESI scheme is for :
- (A) Unemployment allowance (B) Disablement benefit  
(C) Medical benefit (D) Maternity Benefit
83. The hereditary disorder characterised by reduction in the synthesis of globin chain of haemoglobin is :
- (A) Sickle cell anaemia (B) Haemophilia  
(C) Thalassemia (D) Cystic fibrosis
84. The time limit for registering the event of births and deaths in India is :
- (A) 7 days (B) 10 days  
(C) 14 days (D) 21 days

85. 'Socratic method' is an example for :  
(A) One-way communication (B) Two-way communication  
(C) Verbal communication (D) Formal communication
86. A series of speeches on a selected subject where each person presents an aspect of the subject is :  
(A) Symposium (B) Workshop  
(C) Panel discussion (D) Seminar
87. The Total oslolarity of Reduced osmolarity ORS is \_\_\_\_\_ mmol/litre.  
(A) 200 (B) 211  
(C) 245 (D) 311
88. The first step towards decentralisation of health administration in India is :  
(A) Local self -Government Act  
(B) Municipality and Local Board Acts  
(C) Madras Public health Act  
(D) Montague -Chelmsford Constitutional Reforms
89. The concept of 'bare foot doctors' originated from :  
(A) Indian medicine (B) Chinese medicine  
(C) Greek medicine (D) Egyptian medicine
90. Early registration of pregnancy is ideally done before :  
(A) 8 weeks (B) 10 weeks  
(C) 12 weeks (D) 14 weeks
91. One Sub-centre is for \_\_\_\_\_ general population.  
(A) 1000 (B) 2000  
(C) 3000 (D) 5000
92. All India Institute of Medical Science at New Delhi is established with financial assistance from :  
(A) New Zealand (B) Denmark  
(C) Sweden (D) World Bank

93. The first codification medical practice is called :
- (A) Code of Hammurabi (B) Declaration of Helsinki  
(C) Code of Ur-Nammu (D) Laws of Eshnunna
94. The "germ theory of disease" is proposed by :
- (A) Joseph Lister (B) Robert Koch  
(C) Louis Pasteur (D) Pettenkofer
95. The topic for "World Health Day 2015" is related to :
- (A) Climate change (B) Food safety  
(C) Antimicrobial resistance (D) Road safety
96. The chemical agent used for disinfecting operation theatre by fumigation is :
- (A) Cetrimide (B) Phenol  
(C) Ethylene oxide (D) Formaldehyde
97. The Gene Xpert is a genotypic method for diagnosis of :
- (A) Dengue fever (B) Tuberculosis  
(C) Malaria (D) Leptospirosis
98. The largest and longest bone in the human body is :
- (A) Femur (B) Tibia  
(C) Fibula (D) Humerus
99. The enzyme produced by the salivary glands to break down complex carbohydrates to smaller chains is :
- (A) Lysozyme (B) Amylase  
(C) Pepsin (D) Mucin
100. The system for classifying the injured on the basis of severity of injuries and likelihood of survival is called :
- (A) Field care (B) Rescue  
(C) Tagging (D) Triage
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