

1. Carrot is orange in colour because
 - (A) It grows in the soil
 - (B) It contains carotene
 - (C) It is not exposed in sunlight
 - (D) The entire plant is orange in colour
2. During photosynthesis green plant absorbs
 - (A) Oxygen
 - (B) Nitrogen
 - (C) Carbon monoxide
 - (D) Carbon dioxide
3. Beside carbohydrate, a major source of energy in our food is constituted by
 - (A) Vitamins
 - (B) Minerals
 - (C) Fats
 - (D) Proteins
4. The element which is required by the plants in large amount is
 - (A) Nitrogen
 - (B) Calcium
 - (C) Sulphur
 - (D) Phosphorus
5. From the bark of which plant is quinine extracted
 - (A) Cedar
 - (B) Neem
 - (C) Cinchona
 - (D) Eucalyptus
6. Which among the following is used to coat the cooking utensils?
 - (A) Silver dioxide
 - (B) Copper dioxide
 - (C) Polytetrafluoroethylene
 - (D) Aluminum oxide
7. What is the chemical name of baking soda?
 - (A) Potassium hydroxide
 - (B) Calcium carbonate
 - (C) Sodium hydroxide
 - (D) Sodium bicarbonate
8. Calcium carbonate is used in
 - (A) Lime and toothpaste
 - (B) Bleaching action
 - (C) Cement industry
 - (D) Ointment

9. Which among the following is used in pipe insulation?
(A) Polypropene
(B) Polyvinylchloride
(C) Nylon
(D) Teflon
10. Identify the incorrect statement
(A) Helium in a balloon: an element
(B) Paint : a mixture
(C) Tap water: a compound
(D) Mercury in a barometer: an element
11. Pituitary gland is located in
(A) Intestine
(B) Liver
(C) Kidney
(D) Brain
12. The disease caused by asbestos is
(A) Emphysema
(B) Diarrhoea
(C) Paralysis
(D) Dysentery
13. In the eye colour vision is enabled by the presence of
(A) Rods
(B) Cones
(C) Choroid coat
(D) Sclerotic coat
14. Reserpine is used to
(A) Cure arthritis
(B) Alleviate pain
(C) Reduce high blood pressure
(D) Increases blood pressure when it is low
15. Which of the following is a function of the skeletal system
(A) Secretion and absorption
(B) Contraction
(C) Storage of minerals
(D) All of the above
16. The normal pacemaker of the heart is located in
(A) Sinoatrial node
(B) Atrioventricular node
(C) Wall of the left ventricle
(D) Purkinji fibre

17. Insulin promotes
- (A) Glycosuria
 - (B) Glycogenesis
 - (C) Glycogenolysis
 - (D) Gluconeogenesis
18. A certain road accident patient with unknown blood group needs immediate blood transfusion. His one of the doctor friend at once offers his blood. What was the blood group of the donor?
- (A) AB+
 - (B) O+
 - (C) AB-
 - (D) O-
19. Coronary heart disease is due to
- (A) Streptococci bacterial infection
 - (B) Inflammation of pericardium
 - (C) Weakening of the heart valves
 - (D) Insufficient blood supply to the heart muscles
20. An artificial pacemaker is implanted subcutaneously and connected to the heart of the patient who had
- (A) 80% blockage of the three main coronary arteries
 - (B) Irregularity in heart rhythm
 - (C) Very high blood pressure
 - (D) Atherosclerosis
21. Which one of the following statement is incorrect
- (A) Tuberculosis is caused by a rod shaped bacterium- Mycobacterium tuberculosis
 - (B) Tuberculosis is highly infectious and can be spread by airborne droplets
 - (C) Tuberculosis cannot be treated with antibiotics
 - (D) In the pulmonary tuberculosis elasticity of the lungs is reduced
22. Name of the hormone that stimulates the secretion of gastric juice
- (A) Rennin
 - (B) Enterokinase
 - (C) Cholecystokinase
 - (D) Gastrin
23. Which of the following is not part of the large intestine
- (A) Rectum
 - (B) Colon
 - (C) Cecum
 - (D) Duodenum

24. The process in which all living cells, spores, viruses are completely eradicated from an object or surface is called
- (A) Disinfection
 - (B) Pasteurisation
 - (C) Sterilisation
 - (D) Antisepsis
25. Who isolated streptococcus pneumoniae for the first time?
- (A) Robert Koch
 - (B) Edward Jenner
 - (C) Antony Von Leewenhock
 - (D) Louis Pasteur
26. Who is known as the father of medical microbiology?
- (A) Robert Koch
 - (B) Louis Pasteur
 - (C) Edward Jenner
 - (D) Ignaz Semmelweis
27. The term 'vaccine' was coined by
- (A) Louis Pasteur
 - (B) Robert Koch
 - (C) Edward Jenner
 - (D) Ronald Ross
28. Which of the following neurotransmitter is deficient in depression
- (A) Serotonin
 - (B) 5 hydroxy tryptamin
 - (C) a & b
 - (D) GABA
29. What amount of vitamin A dose is given to a 2 year old child?
- (A) 1 lakh IU
 - (B) 1.5 lakh IU
 - (C) 2 lakh IU
 - (D) 2.5 lakh IU
30. A patient gets infection from an indwelling catheter. It is an example of
- (A) Iatrogenic infection
 - (B) Nosocomial infection
 - (C) Droplet infection
 - (D) None of the above
31. India's first Yoga OPD has been started in
- (A) Kolkata
 - (B) Jaipur
 - (C) New Delhi
 - (D) Chandigarh

32. Which of the following is not a purpose of dentistry
- (A) Improve patient's ability to eat
 - (B) Improve patient's ability to talk
 - (C) Improve the appearance of their face
 - (D) Straighten the patient's teeth
33. Which is a rare source of pain felt in the mouth?
- (A) The toothpulp
 - (B) The gums
 - (C) The tongue
 - (D) The heart
34. What is the best single marker for thyroid related disorder?
- (A) T3
 - (B) T4
 - (C) TSH
 - (D) Thyroglobulin
35. Infancy is the period from
- (A) 0-1 year
 - (B) 1-3 year
 - (C) 3-6 year
 - (D) 6-12 year
36. Which of the following terms refers to the subdivision of epidemiology that examines how social interactions and the combined activities of humans influence health?
- (A) Social epidemiology
 - (B) Experimental epidemiology
 - (C) Social psychology
 - (D) None of the options are correct
37. Which of the following terms refers to a branch of study that deals with the patterns, causes, risk factors, and impact of health-related events in particular populations?
- (A) Epidemiology
 - (B) Sociology
 - (C) Psychology
 - (D) None of the options are correct
38. Social inequality arise from
- (A) Class, gender
 - (B) Race
 - (C) Ethnicity
 - (D) All of above
39. John Snow located source of
- (A) Cholera
 - (B) Typhoid
 - (C) Plague
 - (D) All

40. The very important variable for assessing nutrition of under 5 children is/are:
(A) Weight
(B) Height
(C) Age
(D) All of above
41. The vector responsible for leishmaniasis is:
(A) Mosquito
(B) Bugs
(C) Tsetse flies
(D) Sandflies
42. MDG stands for:
(A) Medical Development Group
(B) Millennium Development Goals
(C) Master Development Goals
(D) Management development goal
43. Helisinki declaration was about:
(A) Women rights
(B) Ethics in research
(C) Human rights
(D) Gender issue
44. When people migrate within the same country, it is called:
(A) In migration
(B) Emigration
(C) Outmigration
(D) Immigration
45. Obesity occurs due to:
(A) More consumption of calorie
(B) More consumption of protein
(C) More consumption of vitamins
(D) None
46. Vitamins that is related for coagulation is
(A) Vitamin K
(B) Vitamin C
(C) Vitamin B1
(D) Vitamin A
47. Green house gas –
(A) Trap heat of planet
(B) Is the gas from green plants
(C) Reduces temperature of atmosphere
(D) All
48. The epidemiologic triad of disease causation refers to
(A) Agent-host-environment
(B) Agent-virus-environment
(C) Human-host-environment
(D) Agent-host-bad air

49. ICDS stands for
(A) Integrated child development scheme
(B) India child development scheme
(C) Integrating child development support
(D) None
50. Top priority of Janani Surakhsha Yojana
(A) Reduce fertility rate
(B) Reduce birth rate
(C) Reduce MMR
(D) All
51. RCH stands for
(A) Reproductive and child health
(B) Researching child households
(C) Right child health
(D) None
52. QALY means
(A) Quantity adjusted life year
(B) Quality adjusted life year
(C) Quality accredited long youth
(D) Quantity accredited long youth
53. Revised National TB Control Programme (RNTCP) has been renamed
(A) National TB Programme (NTP) in 2020
(B) National Tuberculosis Elimination Programme (NTEP) in 2020.
(C) National TB Programme (NTP) in 2019
(D) National Tuberculosis Elimination Programme (NTEP) in 2019.
54. The number of deaths per 1000 people per year means
(A) Birth rate
(B) IMR
(C) Death rate
(D) None
55. The probability of dying between birth and exactly 5 yrs of age expressed per 1000 live brths
(A) Birth rate
(B) Under 5 mortality rate
(C) Under 5 death rate
(D) All
56. The state of being diseased or unhealthy within a population means
(A) Mortality
(B) Morbidity
(C) Fertility
(D) None
57. Child nutritional status measured in terms of 3 anthropometric indicators
(A) Stunting, Wasting, and underweight
(B) Mortality, morbidity and underweight
(C) Body mass index, morbidity rate and dependency ratio
(D) All

58. ASHA means
(A) Accredited social health activist
(B) Additional social health activist
(C) Approved social health activist
(D) Authorized social health activist
59. Example of lifestyle disease
(A) Chikungunya
(B) Malaria
(C) Obesity
(D) Dengue
60. Example of communicable disease
(A) COVID 19
(B) Cancer
(C) Obesity
(D) Varicose veins
61. Which variable is not a component of human development index (HDI)
(A) Life expectancy
(B) Access to knowledge
(C) Standard of living
(D) IMR
62. Health is a Subject
(A) Central
(B) State
(C) Concurrent
(D) None
63. Deficiency of vitamin B1 causes
(A) Beri Beri
(B) Anemia
(C) Night blindness
(D) Scurvy
64. Ratio of females to 1000 males
(A) Sex ratio
(B) Female male ratio
(C) Male female ratio
(D) None
65. Which factors contributed to model of health system in Kerala
(A) Land reforms and effective PDS
(B) High female literacy rate
(C) Strong public health systems
(D) All
66. Statistical study of human population is called
(A) Health economics
(B) Gender studies
(C) Demography
(D) Public health

67. Disease affecting a large proportion in a community where the disease is not permanently prevalent is called
- (A) Pandemic
 - (B) Endemic
 - (C) Epidemic
 - (D) Pandemonium
68. The process in which there is continuous scrutiny of factors that determines the occurrence and distribution of disease is termed as
- (A) Controlling
 - (B) Virulence
 - (C) Monitoring
 - (D) Surveillance
69. Age, sex and caste are
- (A) Achieved status
 - (B) Ascribed status
 - (C) Per-set status
 - (D) Status-set
70. Violence against women, particularly domestic violence during COVID 19
- (A) Increased
 - (B) Decreased
 - (C) Remained stagnant
 - (D) Decreased slightly
71. Which of the following protein is considered as reference protein?
- (A) Egg
 - (B) Meat
 - (C) Milk
 - (D) Fish
72. John Snow located source of
- (A) Cholera
 - (B) Typhoid
 - (C) Plague
 - (D) All of the above
73. Most common diarrhoeal agent for infant is
- (A) Rhinovirus
 - (B) Rotavirus
 - (C) Enterovirus
 - (D) E.coli
74. Constant presence of a disease in an area during a period of time is
- (A) Endemic
 - (B) Epidemic
 - (C) Sporadic
 - (D) Pandemic
75. The vector responsible for dengue is:
- (A) Bug
 - (B) Sand-fly
 - (C) Mosquito
 - (D) Tsetse fly

76. Breast feeding week is celebrated on
(A) First week of July
(B) Last week of July
(C) First week of August
(D) Last week of August
77. Acid rain is due to
(A) Sulphur dioxide
(B) Sulphuric acid
(C) Hydrochloric acid
(D) None of the above
78. Entomology is the science that studies
(A) Behaviour of human beings
(B) Insects
(C) The origin and history of technical and scientific terms
(D) The formation of rocks
79. For which of the following disciplines is Nobel Prize awarded?
(A) Physics and chemistry
(B) Physiology or medicine
(C) Literature, Peace and economics
(D) All of the above
80. Exposure to sunlight helps person improve his health because
(A) The infrared light kills bacteria in the body
(B) Resistance power increases
(C) The pigment cells in the skin get stimulated and produce a healthy tan
(D) The UV rays convert skin oil into vitamin D
81. The ozone layer restricts
(A) Visible light
(B) Infrared radiation
(C) X-ray and gamma ray
(D) U.V radiation
82. Eugenics is the study of
(A) Altering human beings by changing their genetic components
(B) People of European origin
(C) Different races of mankind
(D) Genetics of plants
83. What is the name of world's most affordable RT-PCR based COVID-19 diagnostic kit launched by Union Minister of Human Resource Development?
(A) Corocure Kit
(B) Corosafe Kit
(C) Corofind Kit
(D) Corosure Kit

84. The name of the organism responsible for COVID-19 is
(A) SARS-CoV-1
(B) H1N1
(C) H5N1
(D) SARS-CoV-2
85. Which of the following can be found in COVID-19 illness?
(A) Sore throat, runny nose, fever
(B) Anosmia
(C) Breathing difficulty
(D) All of the above
86. Since the mode is the most frequently occurring data value, it
(A) Can never be larger than the mean
(B) Must have a value of at least two
(C) Is always larger than mean
(D) None of the above is correct
87. The middle observation in an arranged set of data is called
(A) Mean
(B) Mode
(C) Median
(D) Range
88. 1st quartile is also known as
(A) Lower quartile
(B) Upper quartile
(C) Median
(D) Geometric mean
89. By adding all members in the set together and then total is divided by the number of scores in that set, we obtain
(A) Geometric mean
(B) Arithmetic mean
(C) Standard deviation
(D) Variance
90. The three points that divides the set into 4 equal group are called
(A) Deciles
(B) Percentiles
(C) Quartiles
(D) None of the above
91. The average of first 50 natural numbers is
(A) 25.30
(B) 25.50
(C) 25.00
(D) 12.25
92. $106 \times 106 - 94 \times 94 = ?$
(A) 2004
(B) 2400
(C) 1904
(D) 1906

93. The number of methods to find square root of an algebraic expression are
(A) 3
(B) 4
(C) 5
(D) 2
94. An airplane carries 500 passengers, 45% are men, 20% are children. The number of women passengers in the airplane is
(A) 175
(B) 150
(C) 166
(D) 180
95. If 2 ratios a:b and c:d are equal then we can write it as
(A) $a:b/c:d$
(B) $a:b=c:d$
(C) $a+b=c+d$
(D) $a:c=d:b$
96. Prime Minister of India extended the Pradhan Mantri Garib Kalyan Yojana till which month of this year to support migrants and poor labourers?
(A) August
(B) September
(C) November
(D) December
97. Which organization has formulated an Independent Panel for Pandemic Preparedness and Response (IPPR) to evaluate the world's response to the COVID-19 pandemic?
(A) GEF
(B) FAO
(C) WHO
(D) UNICEF
98. Which organization will launch Amazonia-1?
(A) ISRO
(B) ESA
(C) NASA
(D) SpaceX
99. World Population Day is observed in which date?
(A) July 10
(B) July 11
(C) July 12
(D) July 13
100. India's second Voluntary National Review (VNR) report has been presented by which organization?
(A) NITI Aayog
(B) DRDO
(C) Ministry of Finance
(D) DMRC