

79/2014

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Which among the following is false about chlorine demand :
  - (A) It is the difference between chlorine added to water and what remains
  - (B) It is estimated after a contact period of 30 minutes
  - (C) It is the amount of chlorine required to destroy bacteria
  - (D) It is the amount of chlorine required to oxidize all the organic matter present in water
  
2. Orthotolidine- Arsenite (OTA) test is used to :
  - (A) Determine both free and residual chlorine together
  - (B) Determine both free and residual chlorine separately
  - (C) Determine the turbidity of water
  - (D) None of the above
  
3. All are true about boiling of water, EXCEPT :
  - (A) It is a satisfactory method of purifying water at house hold level
  - (B) It is effective only when brought to rolling boil for 10-20 minutes
  - (C) It removes temporary hardness of water
  - (D) It offers residual protection against subsequent contamination
  
4. Ozone is a :

(A) Primary pollutant	(B) Secondary pollutant
(C) Particulate air pollutant	(D) None of the above
  
5. Bore - hole latrine is a ————— type of latrine :

(A) Service	(B) Non-service
(C) Water seal	(D) None of the above
  
6. The strength of sewage is expressed in terms of :

(A) Biological Oxygen Demand	(B) Chemical Oxygen Demand
(C) Suspended Solids	(D) All of the above

7. A method of combined disposal of refuse and night soil is :
- (A) Controlled tipping (B) Incineration  
(C) Composting (D) Burial
8. Which of the following does not belong to class Insecta :
- (A) Mosquito (B) Lice  
(C) Fleas (D) None of the above
9. The vector of Brugian Filariasis is :
- (A) Anophles (B) Culex  
(C) Mansonia (D) Aedes
10. The rickettsial disease in which rodent act as a vector is :
- (A) Plague  
(B) Leishmaniasis  
(C) Scrub typhus  
(D) Haemorrhagic fever with Renal Syndrome (HFRS)
11. As per WHO expert committee the recommended salt intake per day by a healthy man is less than :
- (A) 15 g (B) 10 g  
(C) 5 g (D) 2 g
12. As per ICMR guidelines ,the proportion of proteins to be included in a balanced diet is :
- (A) 60-70% (B) 30-40%  
(C) 15-20% (D) <10%
13. Fibre has the following functions, EXCEPT :
- (A) Cholesterol lowering (B) Glucose lowering  
(C) Energy yielding (D) None of the above
14. Obesity is defined as Body mass Index :
- (A) More than 25 (B) More than 30  
(C) More than 35 (D) None of the above

15. All the following are inhibitors of iron absorption EXCEPT :
- (A) Phosphates in Egg yolk (B) Tannin in tea  
(C) Calcium in milk (D) Ascorbic acid in Indian goose berry
16. Regarding the Weekly Iron and Folic acid Supplementation programme (WIFS) for adolescent, which is not true :
- (A) Adolescent girls and boys enrolled in Government/Government aided/municipal schools are the target groups  
(B) Adolescents from 6th to 12th classes are given tablets for 52 weeks a year.  
(C) Implemented only in rural areas  
(D) None of the above
17. An egg provides \_\_\_\_\_ mg of cholesterol :
- (A) 100 mg (B) 200 mg  
(C) 250 mg (D) 300 mg
18. The license number given according to the road Safety and Standards act (FSSA) has \_\_\_\_\_ digits:
- (A) 10 (B) 12  
(C) 14 (D) 16
19. PENTAVALENT VACCINE CONTAINS :
- (A) DPT + measles + Hepatitis + B+ OPV + H.Influenza - B + BCG  
(B) DPT + Hepatitis - B + OPV + H. Influenza -B + BCG  
(C) DPT + Hepatitis - B + OPV  
(D) DPT + H. Influenza - B + Hepatitis - B
20. World Diabetes Day is celebrated on :
- (A) May 31<sup>st</sup> (B) April 7<sup>th</sup>  
(C) November 14<sup>th</sup> (D) December 1<sup>st</sup>
21. As per the biomedical waste management and handling rules 1998, blood stained cotton gauze should be segregated and collected in \_\_\_\_\_ colour coded bins:
- (A) Yellow (B) Green  
(C) White (D) Blue

22. As per the biomedical waste management and handling rules 1998 Waste sharps belong to which of the following categories :
- (A) 1 (B) 2  
(C) 3 (D) 4
23. A woman dies while in the 40th week of pregnancy, from road traffic accident. This is considered as :
- (A) Maternal mortality (B) Late maternal death  
(C) Pregnancy y related death (D) Direct maternal death
24. Dental caries can be prevented by \_\_\_\_\_ in drinking water :
- (A) Iron (B) Flourine  
(C) Calcium (D) Phospourous
25. The state with the highest Infant Mortality Rates in India is (2010).
- (A) Madhya Pradesh (B) Chattisgarh  
(C) Odisha (D) Uttra Pradesh
26. Which of the following is a method of rapidly classifying the injured on the basis of severity of injuries and likely hood of survival with prompt medical care?
- (A) Triage (B) Coding  
(C) Tagging (D) Relief phase
27. According to the national malaria Control Strategy, The epidemiological types of malaria are, EXCEPT :
- (A) Tribal malaria (B) Rural malaria  
(C) Urban malaria (D) Seasonal malaria
28. The infective form of malarial parasite to man is :
- (A) Sporozoite (B) Schizont  
(C) Merozoite (D) Gametocyte
29. Recurrence of fever in malaria in a short period of 2-3 years is seen in all, EXCEPT :
- (A) P. vivax (B) P. falciparum  
(C) P. ovale (D) None
30. Copper-T is ideally recommended in :
- (A) Women with at least one child (B) Newly married couple  
(C) Infection of genital tract (D) Unmotivated women

31. Biological value is maximum for :  
(A) Egg (B) Milk  
(C) Soyabean (D) Pulses
32. WHO recommends supplementation of which of the following element in children with diarrhoea :  
(A) Iron (B) Calcium  
(C) Zinc (D) Iodine
33. Fast breathing in a child less than 2 months is :  
(A) >30 breaths per minute (B) >40 breaths per minute  
(C) >50 breaths per minute (D) >60 breaths per minute
34. Which of the following is a warning sign in pregnancy :  
(A) Foetal movements (B) Swelling of the feet  
(C) Vomiting (D) Cough
35. According to WHO a mother should give breastfeeding ————— normal delivery :  
(A) Within 30 min after (B) Within 4 hours after  
(C) Within a day after (D) After infants condition stabilizes
36. Which of the following milestones of development is not matched correctly with age :  
(A) Sits without support 6-8 months  
(B) Holds head erect-4months  
(C) Transfer of objects hand to hand 6-8 months  
(D) Looks at mother and smiles 6-8 months
37. The dose of Iron and Folic acid tablets distributed to pregnant women under MCH programme is :  
(A) 60 mg iron + 500 mcg folic acid  
(B) 60mg iron + 100 mcg folic acid  
(C) 100 mg iron + 500 mcg folic acid  
(D) 100 mg iron + 100 mcg folic acid
38. Which among the following is the richest source of vitamin C :  
(A) Orange (B) Guava  
(C) Indian gooseberry (D) Mango

39. A low birth weight infant is one with a birth weight of less than :
- (A) 2 kg (B) 2.5 kg  
(C) 2.75 kg (D) 3 kg
40. Which of the following cancers can be prevented by vaccination :
- (A) Oral cavity cancer (B) Stomach cancer  
(C) Breast cancer (D) Cervix cancer
41. Under COTPA (Control Of Tobacco Products Act) the minimum distance of a tobacco outlet from school compound wall is :
- (A) 1 km (B) 500 meter  
(C) 100 meter (D) 75 meter
42. Screening for disease is :
- (A) Primary prevention (B) Secondary prevention  
(C) Tertiary prevention. (D) Primordial prevention
43. Which of the following type of insecticide is abate?
- (A) Organo - chloride (B) Organo - phosphate  
(C) Carbamate (D) Synthetic pyrethroids
44. Pearl index is defined as :
- (A) Failures per 100 woman-years of exposure  
(B) Failure rate for each month of use  
(C) Failures per 10 woman years of exposure  
(D) Failure rate for each couple
45. Modifiable risk factors of coronary artery disease includes all EXPECT :
- (A) Personality (B) Smoking  
(C) Obesity (D) Hypertension
46. Ideally the temperature of ice lined refrigerator is set between :
- (A) +2° C TO + 8°C (B) -15°C TO -25°C  
(C) 16°C TO 20°C (D) 0°C TO 2°C
47. World mental health day is observed on :
- (A) Oct 10 (B) Dec 14  
(C) June 5 (D) April 8

48. Most common mental illness in Kerala :
- (A) Schizophrenia (B) Depression  
(C) Bipolar Disorder (D) Anxiety
49. All of the following are sexually transmitted diseases EXCEPT :
- (A) Hepatitis B (B) Syphilis  
(C) HIV (D) Herpes zoster
50. Carriers are important in all of the following EXCEPT :
- (A) Polio (B) Typhoid  
(C) Measles (D) Diphtheria
51. Most common cause of blindness in India is :
- (A) Cataract (B) Trachoma  
(C) Refractive errors (D) Vitamin deficiency
52. Rubella vaccination programme of the Kerala state government aims at giving vaccine to children :
- (A) 2-4 years (B) Adolescent boys  
(C) Adolescent girls (D) All children
53. Lathyrism is a disease caused by consuming :
- (A) Argemone seeds (B) Claviceps infected foodgrain  
(C) Khesari dal (D) Panicum millare
54. Swine flu is caused by :
- (A) H1N1 virus (B) H5N1 virus  
(C) HTLV1 (D) HCV
55. For treatment of TB which is the strategy adopted in India?
- (A) Long course regimen  
(B) Short course  
(C) Directly Observed Treatment Short course  
(D) In patient treatment
56. Bacillus calmette Guerin is given to reduce the morbidity and mortality from :
- (A) Tuberculosis (B) Diphtheria  
(C) Chicken pox (D) Mumps

57. India has eliminated which of the following parasitic diseases :
- (A) Ancylostomiasis (B) Ascariasis  
(C) Dracunculiasis (C) Trichuriasis
58. Most efficient vector of Dengue :
- (A) Aedes aegypti (B) Aedes albopictus  
(C) Anopheles stephensi (D) Culex vishnui
59. Which of the following is a Sophisticated measure of malaria incidence in a community?
- (A) Annual blood examination rate (B) Annual parasite index  
(C) Parasite rate (D) Human blood index
60. For Filaria survey which of the following methods is adopted :
- (A) Thick film at night (B) Thick film at day  
(C) Thin film at night (D) Thin film at day time
61. Father of Indian surgery is :
- (A) Atreya (B) Susrutha  
(C) Charaka (D) Vaghhhatt
62. Regarding Rabies, under which category does nibbling of uncovered skin come?
- (A) Category 1 (B) Category 2  
(C) Category 3 (D) Category4
63. Which of the following must be done for prevention of neonatal tetanus?
- (A) Mother should receive 4 doses of TT every alternate month of pregnancy  
(B) Mother should receive 2 doses of TT one month apart during pregnancy  
(C) Baby should receive 2 doses of TT in the first month  
(D) Baby should receive 3 doses of TT in the first month
64. Which of the following disease is not covered under Universal Immunisation Programme?
- (A) Hepatitis B (B) Mumps  
(C) Diphtheria (D) Measles
65. Cholera is a disease caused by :
- (A) V.choleae O1 (B) V. Cholerae O2  
(C) V.cholera O3 (D) V. Cholera O5