

01. Which kidney Disease is a "Global Public Health" Problem Worldwide ?

- (1) Acute Kidney Injury (AKI)
- (2) Kidney Stone
- (3) Chronic Kidney Disease (CKD)
- (4) Renal Papillary Necrosis

02. Which Virus affects mainly Human Immune System ?

- (1) Hepatitis A Virus (HAV)
- (2) Parvo Virus B19
- (3) Cytomegla Virus (CMV)
- (4) Human Immunodeficiency Virus (HIV)

03. Which BHU Alumnus is honoured with "Bharat Ratna" ?

- (1) Prof.K.N.Udappa
- (2) Prof.O.N.Srivastava
- (3) Prof.C.N.R.Rao
- (4) Prof.R.D.Dwivedi

04. Which of the following drug is used as "Immunosuppression" ?

- (1) Citrofloxocin
- (2) Aspirin
- (3) Ampicellin
- (4) Cyclosporine

05. The Probability of a particle to cross a barrier of height more than the kinetic energy of the particle is :

- (1) zero
- (2) one
- (3) between zero and one
- (4) 50%

- 06.** Deficiency of which of the following mineral nutrients induces dental carries and mottled enamel ?
- (1) Molybdenum (2) Cobalt
(3) Fluorine (4) Iron
- 07.** Oxidation number of Iodine is highest in which compound ?
- (1) KI (2) KI₃
(3) IF₅ (4) KIO₄
- 08.** In which part of our body, antibodies are formed ?
- (1) Brain (2) Lungs
(3) Bone marrow (4) Spleen
- 09.** Which of the following sensations is not generated by impulses initiated in naked nerve endings ?
- (1) Touch (2) Pain
(3) Cold (4) Smell
- 10.** Sound cannot travel through :
- (1) Air (2) Water
(3) Fire (4) Vacuum
- 11.** Among the following the best indicator of Health in a community is :
- (1) Maternal Mortality Rate (2) Infant Mortality Rate
(3) Life Expectancy (4) Neonatal Mortality Rate

12. Malathion is an :

- (1) Organo-chlorine compound
- (2) Carbamate
- (3) Pyrethroid
- (4) Organo-phosphorous compound

13. IMNCI differ from IMCI in all EXCEPT :

- (1) Malaria & Anemia are included
- (2) 0-7 day Child are included
- (3) Sick neonate are preferred over sick older child
- (4) Treatment are aim to more than disease (condition) at a time

14. The most appropriate to assess the prevalence of Tuberculosis infection in a community :

- (1) Mass Miniature Radiography
- (2) Sputum Examination
- (3) Tuberculin Test
- (4) Clinical Examination

15. Neonatal Tuberculosis is said to be eliminated when the rate is :

- (1) >10per 1000LB
- (2) >1per 1000LB
- (3) <1per 1000LB
- (4) <0.per 1000LB

16. Mass prophylaxis was given for all EXCEPT :

- (1) Lymphatic Filariasis
- (2) Vitamin A Deficiency
- (3) Scabies
- (4) Worm infestation

17. All of the following statements about rheumatic fever/ heart disease epidemiology in India are true except :
- (1) Rheumatic fever occurs in about 2% of streptococcal sore throat cases
 - (2) It occurs equally in males and female
 - (3) Its prevalence varies between 5 and 7 per 1000 children aged 5-15 years
 - (4) B-Haemolytic streptococci group B is the causative agent
18. The most common cancer affecting urban women in Delhi and Mumbai is :
- (1) Cervical cancer
 - (2) Breast cancer
 - (3) Ovarian cancer
 - (4) Uterine cancer
19. Glycosylated haemoglobin (Hba 1c) is indicative of mean blood glucose levels during past :
- (1) 2-3 days
 - (2) 2-3 weeks
 - (3) 2-3 months
 - (4) 2-3 years
20. 'Tracking' of blood pressure refers too :
- (1) Recording the BP round the clock
 - (2) Graphic representation of BP
 - (3) Identifying children at risk of developing hypertension in future
 - (4) Measuring BP at every 40 years of interval since birth

- 21.** In a clinical trial risk difference of acquiring malaria between mosquito net users and non-users is 0.4%, how many person should use mosquito nets to prevent one case of malaria ?
- (1) 500 (2) 220 (3) 250 (4) 200
- 22.** The best study design to prove causal relationship is :
- (1) Experimental studies (2) Ecological studies
(3) Case control studies (4) Cohort Studies
- 23.** Main drawback of calculating incidence rate of disease using hospital record :
- (1) Poor maintenance of records
(2) Subclinical cases not admitted
(3) Admission policy may differ
(4) Denominator not well defined
- 24.** Standard error is a measure of :
- (1) Instrumental error (2) Sampling error
(3) Observer error (4) Conceptual error
- 25.** Which is not an explanation for cyclic trend of diseases ?
- (1) Herd immunity variation (2) Environmental conditions
(3) Build up of susceptible (4) Antigenic variations
- 26.** Population to be covered by Urban-Primary health centre is :
- (1) 50,000-60,000 (2) 80,000-90,000
(3) 1,00,000-1,20,000 (4) 1,20,000-1,50,000

- 27.** False about Rajiv Gandhi Shramik Kalyan Yojana :
- (1) Unemployment allowance
 - (2) In effect from April 2005
 - (3) For those rendered voluntarily unemployed
 - (4) Employees contributed under scheme ≥ 5 years
- 28.** Which among the following does not belong to Category A of bio-terrorism agents ?
- (1) Brucellosis
 - (2) Botulism
 - (3) Plague
 - (4) Tularemia
- 29.** Cut off for high glycaemic index (GI) is :
- (1) 50 or more
 - (2) 70 or more
 - (3) 90 or more
 - (4) 110 or more
- 30.** Percentage of ultraviolet rays filtered by black skin is upto :
- (1) 65%
 - (2) 75%
 - (3) 85%
 - (4) 95%
- 31.** Fat content of soyabean is :
- (1) 5%
 - (2) 10%
 - (3) 15%
 - (4) 20%
- 32.** If a child presents with protein energy malnutrition showing signs of loss of subcutaneous fat and weight reductions. The level of prevention suggested at this point is :
- (1) Health promotion
 - (2) Specific protection
 - (3) Early diagnosis and prompt treatment
 - (4) Disability limitation & rehabilitation

33. In a negative skewed deviation, true statement is :
- (1) Mean is greater than the median
 - (2) Mean is equal to mode
 - (3) Mean is less than the median
 - (4) Mode is less than the median
34. All are morbidity indicator except :
- (1) period of stay in hospital
 - (2) Doctor: population ratio
 - (3) attendance of outpatient department
 - (4) Notification rates
35. Case control study is used to study :
- | | |
|---------------------|----------------------|
| (1) Common diseases | (2) Uncommon disease |
| (3) Rare diseases | (4) Unknown diseases |
36. Which of the following is not a Health promotion measure of improvement of genetic endowment of community ?
- (1) Positive eugenics
 - (2) Euthenics
 - (3) Lowering of consanguineous marriages
 - (4) Amniocentesis
37. All are incinerated except :
- | | |
|----------------------|-------------------------|
| (1) Chemical waste | (2) Soiled waste |
| (3) Animal carcasses | (4) Broken thermometers |
38. Food and Agriculture Organization has its headquarters at :
- | | |
|---------------|-------------------|
| (1) Geneva | (2) Rome |
| (3) New Delhi | (4) Washington DC |

- 39.** RCA latrine was designed and constructed by :
- | | |
|-----------------------|----------------------------|
| (1) Ford foundation | (2) Rockefeller foundation |
| (3) sulabh souchalaya | (4) Indian Red Cross |
- 40.** Under Indian Factories Act, total no. of working hours should not exceed hours :
- | | | | |
|---------|--------|--------|--------|
| (1) 100 | (2) 70 | (3) 60 | (4) 50 |
|---------|--------|--------|--------|

Short Answer Questions

Note: Attempt any **five** questions. Write answer in **150-200** words. Each question carries **16** marks. Answer each question on separate page, after writing Question Number.

- 01.** Multidrug Resistance Tuberculosis
- 02.** Enumerate health programs for Adolescent girls
- 03.** Emergency obstetric care.
- 04.** Malariometric measures.
- 05.** Cluster Sampling technique
- 06.** Continuum of care in MCH
- 07.** Road Map for Open air defecation free India
- 08.** Sample Registration System
- 09.** Social Behaviour Change-Communication
- 10.** Swachcha Bharat Abhiyan