

**RGUHS- B.Sc Nursing First Year Subject : Microbiology Important Questions
(Rajiv Gandhi University of Health Sciences)**

Long Questions

- 1 Name the etiologic agent of cholera. Write in detail on the pathogenesis and laboratory diagnosis of cholera
- 2 Define and classify hypersensitivity. Write in detail on Type I hypersensitivity
- 3 Name the malarial parasites. Describe the life cycle and laboratory diagnosis of any one of them
- 4 Define and classify sterilization. Discuss about moist heat sterilization
- 5 Define and classify Hypersensitivity. Discuss about types I hypersensitivity
- 6 Define Nosocomial infection. Enumerate factors contributing to the occurrence and severity of the Nosocomial infection. Add a note on diagnosis and control of Nosocomial infections
- 7 Define and classify Hypersensitivity. Discuss in detail about Anaphylaxis.
- 8 Describe the morphology, culture, pathogenesis, lab diagnosis and prophylaxis of *Corynebacterium diphtheriae*
- 9 Define infection and classify different infections. Discuss in detail about hospital borne infection their development and control
- 10 Define culture media. Explain about enriched media or transport media or selective media or differential media.
- 11 Classify mycobacterium. Explain in detail about morphology, pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
- 12 What is enteric fever? Write about the pathogenesis and lab diagnosis of typhoid fever.

Short Questions

- 1 Gas gangrene
- 2 Food poisoning
- 3 Pneumococci
- 4 Blood culture
- 5 Relapsing fever
- 6 Use of Embryonated egg in virology
- 7 Hepatitis B virus
- 8 *Balantidium coli*
- 9 *Trichinella spiralis*
- 10 *Candida albicans*
- 11 Bacterial cell wall
- 12 Enriched media
- 13 Universal precautions
- 14 Laboratory diagnosis of syphilis
- 15 ELISA

- 16 Subcutaneous mycoses
- 17 Amoebiasis
- 18 Discuss laboratory monitoring of HIV infection
- 19 Laboratory diagnosis of pulmonary tuberculosis
- 20 Aseptic measures in operation theatre
- 21 Hospital infection control committee
- 22 Gram stain
- 23 VDRL test
- 24 HIV – diagram, modes of transmission and AIDS
- 25 Bacterial spore – diagram and description
- 26 Hanging Drop preparation
- 27 Candida albicans
- 28 Ancylostoma duodenale – life cycle, clinical features and treatment
- 29 Laboratory diagnosis of pulmonary tuberculosis
- 30 Negative staining – principle and procedure
- 31 Cultivation of viruses
- 32 Candida albicans or candidiasis
- 33 Immunoglobulin
- 34 Antibiotic sensitivity test
- 35 Rabies vaccine
- 36 Bacterial growth curve
- 37 Contribution of Louis Pasteur
- 38 Bacterial spore
- 39 Laboratory diagnosis of Corynebacteria diphtheria
- 40 Widal test
- 41 Name bacteria causing diarrhea
- 42 Antibiotic sensitivity test
- 43 Phagocytosis
- 44 Structure of IgG
- 45 Name bacterial zoonotic diseases
- 46 Flagella
- 47 Log phase of bacterial growth
- 48 Tyndallisation
- 49 DPT vaccine
- 50 Name bacteria causing nosocomial infections
- 51 B C C vaccine
- 52 What is VDRL test? Mention sexually transmitted diseases
- 53 What is Food poisoning? Mention bacterial causing food poisoning
- 54 What is lawn culture? Name any biochemical tests to identify bacteria
- 55 What is black water fever? Mention species of malarial parasites
- 56 What is Herd immunity? Mention viral vaccines
- 57 Mention any contributions of Louis Pasteur
- 58 What is Histoplasmosis? Mention four fungi causing systemic mycoses
- 59 Discuss the laboratory diagnosis of urinary tract infections
- 60 Discuss the prophylaxis of diphtheria
- 61 Write any two transport media

- 62 Name any two infectious wastes
- 63 Mention any two uses of ELISA
- 64 Name any two biological vectors
- 65 Pasteurization
- 66 VDRL test
- 67 Name two non bile stained eggs
- 68 Name the symmetry of Viruses
- 69 Name any two live viral vaccines
- 70 Define immunity
- 71 Name live vaccine
- 72 Name four types of diarrhoea caused by E Coli
- 73 Name four DNA virus and RNA viruses
- 74 Name four zoonotic infections
- 75 Pasteurization
- 76 Name the method of treatment of biomedical waste
- 77 Name any four transport media
- 78 Hanging drop method
- 79 Draw a neat labeled diagram of a spore
- 80 Gram staining procedure
- 81 Define aptitude
- 82 Drive
- 83 Causes of mental retardation
- 84 Importance of psychology in nursing
- 85 Counselor
- 86 Projection
- 87 Mental hygiene
- 88 Vignettes
- 89 List the traits of personality
- 90 Incentive

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