

Q.P. CODE: MB2019115
KALOJI NARAYANA RAO UNIVERSITY OF
HEALTH SCIENCES
WARANGAL, TELANGANA STATE-50% 802
MBBS SECOND YEAR DEGREE
EXAMINATIONS: AUGUST, 2025
MICROBIOLOGY
PAPER-1
(NEW SCHEME)

Time: 3 Hours

Max. Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Multiple Choice Questions:

- 1) Endoscopes are sterilized using which of the following methods?
 - a) Glutaraldehyde
 - c) Autoclaving
 - b) Formaldehyde
 - d) Hot air oven

- 2) Which of the following is a primary lymphoid organ?
 - a) Spleen
 - b) Mucosa associated Lymphoid
 - c) Thymus
 - d) Tissue

 - e) Tonsils

- 3) African sleeping sickness is caused by
- Leishmania donovani
 - Trypanosoma brucei
 - Trypanosoma cruzi
 - Trypanosoma rangeli
- 4) Which is more antigenic in inducing immune response?
- Nucleic acid
 - Carbohydrate
 - Protein
 - Lipid
- 5) Which of the following hepatitis viruses is not transmitted parenterally?
- Hepatitis B virus
 - Hepatitis D virus.
 - Hepatitis C virus
 - Hepatitis E virus
- 6) The most common mode of transmission of Brucella is
- Direct contact
 - Air borne
 - Man to man
 - Ingestion of raw milk.
- 7) Which one of the following methods of antimicrobial susceptibility testing does not detect MIC (minimum inhibitory concentration)?
- Disk Diffusion test
 - Broth Dilution method
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- c) Agar Dilution method
d) Epsilometer test
- 8) Rate of infection occurring at a higher rate than usual in a particular geographical area is known as
- Epidemic
 - Pandemic
 - Hyper endemic
 - Sporadic
- 9) Prozone phenomenon in Ag Ab reaction is due to
- Excess antibodies
 - Excess antigen
 - Hyperimmune serum
 - Complement excess
- 10) Which of the following is not a potentially highly infectious specimen for occupational injury in health care settings
- Blood
 - CSF
 - Saliva
 - Semen

Essay/ Long Answer Questions:

- 11) Enumerate the properties and types of Antigen-Antibody Reaction. Describe in detail about the principle, types and applications of ELISA.
- 12) Discuss in detail the laboratory diagnosis of Viral Infections.
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Short Answer Questions:

- 13) Amoebic Liver Abscess.
- 14) Mechanism of Antibiotic Resistance.
- 15) Stool concentration techniques.
- 16) Graft versus Host Reaction.
- 17) Post exposure Prophylaxis for HIV.
- 18) Q Fever.
- 19) Kyasanur Forest Disease.

Very Short Answer Questions:

- 20) Adjuvants.
- 21) Dimorphic Fungi.
- 22) Germ Tube.
- 23) Name three Tumour associated Antigens.
- 24) Classification of Arbo Viruses.
- 25) Name three diseases caused by Superantigens.

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