

Q.P. CODE: MB2019115
KALOJI NARAYANA RAO UNIVERSITY OF
HEALTH SCIENCES
WARANGAL, TELANGANA STATE - 506 002
MBBS SECOND YEAR DEGREE
SUPPLEMENTARY EXAMINATIONS: JULY,
2024
MICROBIOLOGY
PAPER-I

Time: 3 Hours

Max. Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Multiple Choice Questions:

1) The antibody present in secretions like tears, saliva, colostrum is:

- a) IgM
- c) IgA
- b) IgG
- d) IgE

2) All are sporicidal except:

- a) Lysol
- e) Ethylene dioxide
- d) Glutaraldehyde

3) ~~All of the following are exotoxin except:~~_____

- a) Botulinum toxin
 - c) Diphtheria toxin
 - b) Anthrax toxin
 - d) Lipopolysaccharide
- 4) Paul Bunnell test is an example of
- a) Heterophile agglutination reaction
 - c) Reverse passive agglutination reaction
 - b) Passive agglutination reaction
 - d) None of the above
- 5) What is the infective form of malarial parasite?
- a) Oocyst
 - c) Merozoite
 - b) Sporozoite
 - d) Gametocyte
- 6) Pseudomembranous colitis is caused by:
- a) Campylobacter jejuni
 - c) Clostridium difficile
 - b) Candida albicans
 - d) Corynebacterium diphtheria
- 7) In HIV the Western blot assay is used to detect which one of the following?
- a) p24 antigen
 - c) gp 160 antigen
 - b) gp 120 & gp 44 antigen
 - d) Antibodies to p24, gp 120, gp 41
- 8) All waste sharps should be discarded in:
- ~~a) Cardboard boxes with blue coloured markings~~

- c) Red coloured non-chlorinated plastic bag/container
 - b) Puncture proof, leak proof & tamper proof containers
 - d) Autoclave safe plastic bag/container
- 9) Current drug of choice for Enteric fever is
- a) Ciprofloxacin
 - e) Ceftriaxone
 - b) Azithromycin
 - d) Chloramphenicol
- 10) Microfilaria of Brugia malayi differs from that of Wuchereria bancrofti by all, except
- a) Coarse overlapping and darkly stained nuclei
 - b) Tail tip free from nuclei
 - c) Cephalic space longer
 - d) Possesses secondary kinks

10 X 1=10

Essay/ Long Answer Questions:

11. Draw a neat labelled diagram of Trophozoite and Cyst of Entamoeba Histolytica. Discuss Amoebic Liver Abscess. (5+10)
12. Define and classify Hypersensitivity. Discuss Type I Hypersensitivity. (3+4+8)

2 X 15=30

Short Answer Questions:

13. Louis Pasteur.
14. Agglutination Reactions.

15. Infective Endocarditis

16. Autoclave.

17. Laboratory diagnosis of Hepatitis B Virus.

18. Typhoid Vaccine.

19. Laboratory diagnosis of HIV Infection.

7 X 6=42

Very Short Answer Questions:

20. Laboratory diagnosis of PKDL.

21. Disc Diffusion Method.

22. Draw a neat labelled diagram of a fertilized egg of *Ascaris Lumbricoides*.

23. Name any two markers of bacterial Infection.

24. Name two Helminths causing Anaemia.

25. Mention three properties of IgM Antibody.

6 X 3=18
