

**MBBS II (Second) Professional Examination 2019-20**

Course Code:MBS202

Paper ID: 03219204

**Microbiology-II**

Time: 2 Hours 40 Minutes

Max Marks: 30

**Note:** Attempt all questions. Draw proper diagrams to support your answer.

**Part 'B'**

1. A 8 year child presented with sudden onset of fever neck rigidity & vomiting became comatose on admission. C.S.F. examination received-
  - C.S.F. is clear, mild increase in cells predominately polymorph.
  - Sugar – normal, Protein- mild increase, Chloride- normal, Culture – sterile.
  - a) What is your probable diagnosis? (1)
  - b) How will you investigate the case for final diagnosis? (2)
  - c) Discuss the pathogenesis and laboratory diagnosis of Japanese encephalitis. (4)
2. a) Name Protozoa pathogenic to man and diseases caused by them. (1)
- b) Discuss life cycle of Entamoeba histolytica. (2)
- c) Out line laboratory diagnosis of intestinal & extra intestinal amoebiasis. (4)
3. Briefly discuss the following: (4x2=8)
  - a) Picorna Viruses
  - b) Dimorphic fungi
4. Write short notes on: (2x4=8)
  - a) Dermatophytes
  - b) Precipitation reaction
  - c) Extra chromosomal DNA
  - d) Sterilization by filtration

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Roll No.

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Student's Signature

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Student's Name

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Invigilator's Signature

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Microbiology-II

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**Part 'A'**

Time: 20 Minutes

Max Marks: 10

- Note:**
1. Attempt all questions and return this part of the question paper to the invigilator after 20 Minutes.
  2. Please tick (✓) correct one only. Cutting, overwriting or any other marking are not allowed.
  3. For answering please use Ball- pen only.

- www.FirstRanker.com
- Old world leishmaniasis is caused by:
- L. donovani
  - L. infantum
  - L. tropica
  - All of the above
- Q.3 P.K.D.L. is a sequel of which of following infection:
- L. donovani
  - L. infantum
  - Both of above
  - Non of above
- Q.4 Resting stage of malarial parasite is:
- Sporozoite
  - Trophozoite
  - Hypnozoite
  - Merozoite
- Q.5 Which of the following stage of Toxoplasma gondii seen during acute infection:
- Trophozoite
  - Tissue cyst
  - Oocyst
  - All of the above
- Q.6 Which parasitic infection is associated with megaloblastic anemia:
- A. duodenale
  - P. falciparum
  - D. latum
  - Babesia spp
- Q.7 Which tape worm man act as definitive and some time intermediate host:
- E. granulosus
  - T. solium
  - T. saginata
  - H. nana
- Q.8 Katayama fever caused by which of the following:
- Schistosoma species
  - Strongiloides species
  - F. hepatica
  - All of the above
- d) Non of above
- Q.17 Sclerotic bodies are present in:
- Mycetoma
  - Rhinosporidiosis
  - Chromoblastomycosis
  - Sporotrichosis
- Q.18 Which Aspergillus species produce mycotoxin:
- A. fumigatus
  - A. niger
  - A. flavous
  - None of the above
- Q.19 Eu Mycetoma is caused by following fungi except:
- Madhurella mycetomi
  - Madhurella gresea
  - Annascheria boydii
  - Pseudomonas aeruginosa
- Q.20 Which of the following methods is used for disposal of contaminated plastic items:
- Ethylene oxide
  - Ethyl alcohol
  - 2% Gluteraldehyde
  - Autoclaving
- Q.10 Which of the virus cause hemorrhagic fever:
- Chikungunya
  - Yellow fever
  - KFD virus
  - All of the above
- P.T.O.
- Q.11 The following viral infection transmitted by tick EXCEPT:
- KFD virus
  - Russian spring summer encephalitis
  - OMSK hemorrhagic fever
  - Dengue fever
- Q.12 Which of the following virus are used for rabies vaccine preparation:
- Fixed Virus
  - Street virus
  - Both of above
  - Non of above
- Q.13 Which of the following hepatitis B virus gene are used in recombinant hepatitis b vaccine preparation:
- HbsAg gene
  - HbeAg gene
  - HbcAg gene
  - All of the above
- Q.14 Which of the following viruses are enveloped:
- Human adeno virus
  - Human Reo virus
  - Rabies virus
  - Colarado tick fever virus
- Q.15 Lassa fever is caused by which virus:
- Arena Virus
  - Corona virus
  - Rubi Virus
  - Parvo Virus
- Q.16 Which of the following fungi are capsulated:
- Candida albicans
  - A. fumigatus
  - Cryptococcus neoformans