

**MBBS II (Second) Professional Examination 2016-17**

Course Code:MBS202

Paper ID: 0322407

**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 40 year old man attended the clinic with complaints of loose motions with blood and mucous along with pain abdomen for the last two days.  
Microscopic examination of stool revealed clumps of RBCs and cyst.
  - a) What is your presumptive diagnosis and write the name of causative agent. (2)
  - b) Write the pathogenesis in brief. (2)
  - c) Describe the laboratory diagnosis of the above disease. (3)
2. List four arboviruses. Describe the pathogenesis, laboratory diagnosis and control measures of an arboviral infection transmitted by the bite of aedes mosquito. (7)
3. Write briefly about: (4x2=8)
  - a) Pathogenesis and laboratory diagnosis of Aspergillosis
  - b) Laboratory diagnosis of Candidiasis
4. Write briefly about: (4x2=8)
  - a) Morphology and immunoprophylaxis of rabies virus
  - b) Pathogenesis and laboratory diagnosis of hydatid disease

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Roll No.

Student's Signature

Student's Name

Invigilator's Signature

Course Code:MBS202

Paper ID: 0322407

**Microbiology-II**
**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.

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| <p>Q.1 The mode of infection of poliovirus is by:</p> <ol style="list-style-type: none"> <li>a) Faeco-oral route</li> <li>b) Inhalation</li> <li>c) Blood transfusion</li> <li>d) Sexual transmission</li> </ol>                  | <p>Q.6 A group of fungi infecting Skin, hair and nails is called:</p> <ol style="list-style-type: none"> <li>a) Dermatophytes</li> <li>b) Mucrales</li> <li>c) Penicillium l</li> <li>d) Dimorphic fungi</li> </ol>            |
| <p>Q.2 One of the following virus is associated with malignancies:</p> <ol style="list-style-type: none"> <li>a. Varicella zoster</li> <li>b. Cytomegalovirus</li> <li>c. Epstein-Barr virus</li> <li>d. Measles virus</li> </ol> | <p>Q.7 Multiple rings in RBC in peripheral blood smear are seen in infection with:</p> <ol style="list-style-type: none"> <li>a) P.falciparum</li> <li>b) P.ovale</li> <li>c) P.vivax</li> <li>d) P.malariae</li> </ol>        |
| <p>Q.3 Which of the following vaccine is a killed vaccine:</p> <ol style="list-style-type: none"> <li>a) Measles vaccine</li> <li>b) Mumps vaccine</li> <li>c) Rubella vaccine</li> <li>d) Sample vaccine</li> </ol>              | <p>Q.8 An opportunistic parasite causing diarrhea in AIDS patients is:</p> <ol style="list-style-type: none"> <li>a) Ascaris lumbricoides</li> <li>b) Leishmania</li> <li>c) Cryptosporidium</li> <li>d) Toxoplasma</li> </ol> |
| <p>Q.4 Which of the following fungus is dimorphic:</p> <ol style="list-style-type: none"> <li>a) Histoplasma</li> <li>b) Epidermophyton</li> <li>c) Microsporum</li> <li>d) Aspergillus</li> </ol>                                | <p>Q.9 The common name of Taenia saginata is:</p> <ol style="list-style-type: none"> <li>a) Pork tapeworm</li> <li>b) Dog tapeworm</li> <li>c) Dwarf tapeworm</li> <li>d) Beef tapeworm</li> </ol>                             |
| <p>Q.5 Virus associated with cervical carcinoma is:</p> <ol style="list-style-type: none"> <li>a) Hepatitis B</li> <li>b) Hepatitis C</li> <li>c) Polio viruses</li> <li>d) Human papilloma</li> </ol>                            | <p>Q.10 Negri bodies can be demonstrated in infection with:</p> <ol style="list-style-type: none"> <li>a) Herpes virus</li> <li>b) Orthomyxovirus</li> <li>c) Rabies virus</li> <li>d) Adeno virus</li> </ol>                  |

P.T.O.

- Q.11 Hepatitis C Virus belongs to family:
- a) Rhabdoviridae
  - b) Paramyxoviridae
  - c) Flaviviridae
  - d) Hepadnaviridae
- Q.12 Motility of giardia lamblia is typically described as:
- a) Gliding
  - b) Falling leaf like
  - c) Lashing
  - d) Corkscrew
- Q.13 Infective forms of Toxoplasmosis are:
- a) Oocysts
  - b) Tissue cysts
  - c) Pseudocysts
  - d) All of the above
- Q.14 Fungus causing meningitis in immunocompromised persons:
- a) Aspergillus
  - b) Rhizopus
  - c) Cryptococcus
  - d) Histoplasma
- Q.15 Sclerotic bodies are seen:
- a) Chromoblastomycosis
  - b) Sporotrichosis
  - c) Blastomycosis
  - d) Coccidiomycosis
- Q.16 Spherules are seen in:
- a) sporotrichosis
  - b) Paracoccidiomycosis
  - c) Rhinosporidiosis
  - d) Mycetoma
- Q.17 The spike antigen of HIV-1 is:
- a) gp120
  - b) gp140
  - c) gp36
  - d) gp41
- Q.18 The vector for Dengue is:
- a) Anopheles
  - b) Aedes
  - c) Culex
  - d) Culiseta
- Q.19 Definitive host of Echinococcus granulosus is:
- a) Man
  - b) Cow
  - c) Pig
  - d) Dog
- Q.20 The best sample for demonstrating eggs of Enterobius vermicularis is:
- a) Faeces
  - b) Perianal NIH swab
  - c) Urine
  - d) Sputum