

Date: 03-03-2021

Instructions:

GAL 2006

Second Year MBBS Examination

II MBBS Microbiology Paper 2

Time: 2 hours

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

Max Marks: 40

1. Multiple choice question :: (8)
 - a. When Many inactive viruses interact in same host cell to Produce 4g stable virus is a Phenomenon called (a) Marker Rescue (b) Multiplicity Reactivation (c) Genetic Recombination (d) Reassortment
 - b. Which of the following Arbovirus 1s transmitted by culex mosquito? (a) Japanese B encephalitis virus (b) Dengue virus (c)

Yellow fever virus (d) CCHF virus

- c. The parasite which can live a parasitic life or free-living life when opportunity arises is called as, (a) Obligate parasite (b) Facultative parasite (c) Accidental parasite (d) Aberrant parasite
- d. Direct microscopy of stool (ZN staining) shows round 4-6 micrometre size oocyst containing four sporozoite, the most probable parasitic Species is, (a) Cryptosporidium (b) Cyclospora (c) Cystoisospora (d) Sarcocystis
- e. The most common site of location of hyatid cyst in human is (a) Liver (b) Bone (c) Lung (d) Kidney
- f. The stain which is used as a negative stain for diagnosis of fungal infection is (a) KOH stain (b) Gram stain (c) Nigrosin stain (d) Lactophenol cotton blue stain
- g. The most important risk factor for mucoromycosis is, (a) Diabetic ketoacidosis (b) End stage renal disease (c) Iron therapy (d) Neutropenia

Section 2

2. Write short notes on : (Any one) (10)

- a. Describe the morphology of HBV. Describe pathogenesis and clinical features of HBV

- infection. Describe serological markers of HBV infection.
- b. Describe the life cycle of *Plasmodium falciparum*. Describe pathogenesis, clinical features and complications of *P. falciparum* infection.
3. Write short answers on : (Any two) (6)
- a. Morphological classification of fungi
- b. Clinical manifestations of dermatophytic infection
- c. Laboratory diagnosis of fungal infection.
4. Write Short Notes (Any Two) (10)
- a. Extra-intestinal amoebiasis :
- b. Life cycle of *Taenia solium*
- c. Pathogenesis and pathogenicity of *Ascaris lumbricoides* infection
5. Write short answers on (Any two) (6)
- a. Cell culture
- b. Immunoprophylaxis of rabies
- c. Laboratory diagnosis of SARS COV-2
