

II-M.B.B.S.: WINTER 2017
SUBJECT: MICROBIOLOGY PAPER-II

Day : Saturday
Date : 06/01/2018

Time: 2.00 pm To 4.00 pm
Max. Marks: 40.

W-2017-3270

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat labeled diagrams **WHEREVER** necessary.
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- Q.1 a)** A 25 year old female patient comes with history of passing loose motions with blood and mucous with frequency of 6-8 times per day. What is the likely parasite causing this condition? How will you diagnose this condition in the laboratory? **(05)**
- b)** A 40 year old male comes with a circular ring like lesion on scalp which has an erythematous border with scaling and inflammation. What is likely diagnosis? How will you diagnose this condition in the laboratory? **(05)**
- Q.2 a)** Describe structure of immunoglobulin and write characteristics of IgM. **(05)**
- b)** Describe type I hypersensitivity reaction. **(05)**
- Q.3 a)** Describe life cycle, pathogenicity of *Echinococcus granulosus* and write laboratory diagnosis of disease caused by it. **(05)**
- b)** Describe laboratory diagnosis of Hepatitis B infection and add a note on vaccine used for active immunization. **(05)**
- Q.4** Write short notes on any **FIVE** of the following: **(10)**
- a) Tissue culture
 - b) Rhinosporidiosis
 - c) Chikungunya
 - d) Aspergillosis
 - e) *Trichnella spiralis*
 - f) Morphological classification of fungi

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