

**M.Sc. 3rd Semester Examination, 2015**

**DIAGNOSTIC PARASITOLOGY AND  
CLINICAL MYCOLOGY**

**PAPER – BML-304**

*Full Marks : 40*

*Time : 2 hours*

**Answer Q. No. 1 and three from the rest**

*The figures in the right-hand margin indicate marks*

*Candidates are required to give their answers in their  
own words as far as practicable*

*Illustrate the answers wherever necessary*

- 1. Answer any *ten* questions of the following : 1 × 10**
  - (a) What do you mean by intermediate host ?**
  - (b) What are the components of lugol iodine solution ?**

*( Turn Over )*

- (c) What is gravid proglottids ?
- (d) Which species are the smallest nematode parasite of humans ?
- (e) Write the name of two blood flukes.
- (f) Write the name of two drugs used to treat helminths infection.
- (g) How *Entamoeba histolytica* is transmitted to the host ?
- (h) Which species of plasmodium is responsible for malignant malaria ?
- (i) What do you mean by pseudomycellium ?
- (j) Write the nutritional nature of fungi.
- (k) What do you mean by dermatomycosis ?
- (l) Write the chemical nature of fungal hyphal cell wall.
- (m) What do you mean by coenocytic fungi ?

- (n) How fungal phyla are distinguished depending upon their reproductive features. What are those ?
- (o) What do you mean by imperfect fungi ?
2. (a) Write the morphological features of Giardia lamblia.
- (b) Write the brief life cycle and clinical features of Taenia solium. 2 + 4 + 4
3. (a) What are the necessary precautions taken after collection of faeces specimen ?
- (b) Write the protocol of occult blood test.
- (c) Write the clinical features of hook worm infection. 2 + 4 + 4
4. (a) Describe the life cycle of any type of malarial parasite.
- (b) Which reasons are there in the anemia of malarial infections ?
- (c) Write the name of two drugs for the treatment of malaria. 5 + 3 + 2

( 4 )

5. (a) Write the different factors responsible for fungal infections.
- (b) Discuss the epidemiology of mycoses.
- (c) Write the mechanism of pathogenesis in fungi. 4 + 2 + 4
6. (a) Write the diagnosis and control of mycotic infections.
- (b) What do you mean by histoplasmosis ?
- (c) Write in brief about the coccidioidomycosis. 4 + 2 + 4
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