

Bachelor of Medical Laboratory Sciences (B.MLS)
MLU2241 – Parasitology and Entomology
Semester 02- Academic year 2015/2016
Final Examination



Date: 13. 07. 2016

Time: 09.30 a.m. - 12.30 p.m.

Duration – 3 hours

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Please read the following instructions carefully before you answer the paper.

Paper consists of **6 essay** type questions. Answer **any 04 (four)** questions. Each question: 100 marks.

1. a. Name pathogenic flagellates that infect man. (10 marks)
b. Describe the life cycle of an important pathogenic flagellate in man. (60 marks)
c. Discuss briefly the diagnostic methods for flagellate infections. (30 marks)
2. a. Name parasitic nematodes that infect the large intestine of human. (10 marks)
b. Briefly describe their adaptations for a parasitic mode of life. (50 marks)
c. Describe methods of prevention and control of these nematode infections. (40 marks)
3. Man is an accidental host of some diseases of domestic pets.
 - a. Cite such an example and describe how the infective parasitic stage is accidentally transmitted to man. (30 marks)
 - b. Describe the pathology of this parasitic disease in man. (50 marks)
 - c. Prepare a list of instructions for the general public for the prevention of such accidental parasitic infections. (20 marks)
4. Write briefly on any two (2) of the following;
 - a. Liver flukes. (50 marks)
 - b. Immuno-diagnostic techniques of parasitic infections. (50 marks)
 - c. Concentration techniques for fecal samples. (50 marks)
5. a. State the two categories of medically important flies and give two examples for each category. (30 marks)
b. Write a concise essay on “Myiasis” . (70 marks)
6. a. Write the characteristic features of mosquitoes. (10 marks)
b. Briefly describe the developmental stages of mosquitoes. (40 marks)
c. Write an essay on “How can mosquitoes be controlled?” (50 marks)