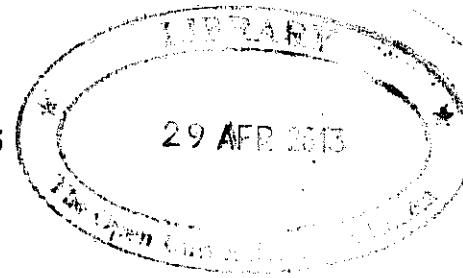


THE OPEN UNIVERSITY OF SRI LANKA  
B.Sc./B.Ed. DEGREE PROGRAMME 2012/ 2013 – LEVEL 5  
PARASITOLOGY - ZLU3184 / ZLE5184  
NO BOOK TEST 2  
DATE: 16<sup>TH</sup> MARCH 2013  
TIME: 11.00 AM – 12.00 NN



REGISTRATION NO. ....

**PART B** (40 marks)

2.0 Write answers within the space provided.

2.1 Name the three (03) main species of blood flukes that infect humans.

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.....

2.2 Which species of blood flukes will excrete eggs in the host's urine?

.....

2.3 What is the most characteristic morphological difference in blood fluke eggs when compared to eggs of other digeneans?

.....

2.4 Name the intermediate host of blood flukes and the life cycle stage that is infective to the intermediate host.

Intermediate host : .....

Infective stage : .....

2.5 How do humans acquire an infection of blood flukes?

.....

*Contd...*

2.6 Give one (01) adaptation present in the blood fluke infective stage to humans.

.....

2.7 What is the principal limiting factor in the transmission and distribution of blood flukes?

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2.8 Blood flukes have a high reproductive ability. Justify this statement.

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2.9 Differentiate between the prepatent period and the clinical incubation period for an infection of blood flukes.

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2.10 As infections of blood flukes are closely associated with irrigation development schemes, it is important to think of strategies to reduce the risk factors for humans at the planning stage of any such project.

You undertake an assignment as an adviser on how to reduce the risk of transmission of blood fluke infections in a community living in a scheme of irrigated rice fields in Kenya, at the planning stage of this project. List six (06) of your most important recommendations.

1. ....

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*Contd...*

2. ....

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3. ....

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4. ....

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5. ....

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6. ....

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