

THE OPEN UNIVERSITY OF SRI LANKA  
B.Sc. DEGREE PROGRAMME 2016/2017  
COURSE TITLE: MAMMALIAN BIOLOGY -LEVEL 5  
COURSE CODE: ZLU3187  
NO BOOK TEST 1  
DATE: 20.09.2017  
TIME 4.15 p.m-5.15 p.m



REGISTRATION NO: .....

Part - B (50 marks)

Write the answers in the space provided.

2.Vampire bats have developed structural and functional adaptations to feed on blood. Describe the structural and functional adaptations exhibit by bats to overcome the following problems associated with mode of feeding (40 marks).

1. Locating the host

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2. Walking on the ground

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3. Climbing up to the victim

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4. Creating a small incision of host skin

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5. Drinking up blood

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6. Prevention of blood clotting

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7. Digestion of blood

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8. Flying after a blood meal

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2.2 Hematophagy (feed on blood) has evolved as a preferred form of feeding for many small animals. Discuss the advantages and disadvantages of feeding on blood (5 marks).

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2.3 Discuss the possible threats to the livestock in the areas where vampire bats reside (5 marks)

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