



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA**  
**FACULTY OF HEALTH SCIENCES**  
**(DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE)**  
**2023\_1 POP EXAMINATION**

**COURSE CODE: EHS 303**  
**COURSE TITLE: GENERAL PARASITOLOGY**  
**COURSE UNIT: 2**  
**TIME ALLOWED: 1 ½ HOURS**  
**TOTAL SCORE: 70 MARKS**  
**INSTRUCTION: ANSWER ALL THE QUESTIONS**

- Q1 (a)** i. Mention the two types of host-parasite relationships **2 marks**  
ii Define the host-parasites spatial relationship **3 marks**  
iii. Mention any two genera among fungi where spatial relationship takes place  
**2 marks**
- (b)** Mention five (5) harmful effects of pathogenesis on the host **5 marks**
- (c)** Briefly describe the following:  
i. Primary Host ii. Intermediate Host iii. Paratenic Host iv. Accidental Host  
**8 marks**

- Q2** State the causative parasite, affected body region and mode of transmission of the following diseases:  
i. Balantidiasis ii. Blastocytosis iii. Coceidosis iv. Amoebiasis  
v. Crystosporiasis vi. Malaria vii. Rhinosporidosis viii. Primary ameobic meninoencephalitis  
**25 marks**

- Q3 (a)** Differentiate between Pathogenesis and Virulence **4 marks**  
**(b)** Describe the evolutionary theory of virulence and state its limitation **5 marks**  
**(c)** Mention and describe the three (3) types of organisms involved in parasite infection  
**11 marks**  
**(d)** Mention any ten (10) symptoms of parasitic infection **5 marks**