

NATIONAL OPEN UNIVERSITY OF NIGERIA PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA FACULTY OF HEALTH SCIENCES DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE 2024 1 EXAMINATION

COURSE CODE: EHS 403

COURSE TITLE: ENVIRONMENTAL HEALTH LABORATORY

COURSE UNIT: 3 CREDIT UNITS

TIME ALLOWED: 2 HOURS TOTAL SCORE: 70 MARKS

INSTRUCTION: ANSWER ALL THE QUESTIONS

Explain polymerase chain reaction under these headings	
a. Definition	3 marks
b. Basic steps involve in its operation	9 marks
c. Applications	4 marks
d. Ingredients for successful application	4 marks
2. a. What is Fume hood?	5 marks
b. Outline the primary and secondary objectives of laboratory design	10 marks
c. What precautionionary measures should be taken when mixing concent	rated acid with
water?	5 marks
3 a. What do you understand about Laboratory standard operating procedures	10 marks
b. Briefly explain laboratory quality system	5 marks
A. a. Highlight the different sections that must be present in environmental laboratory	
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 b. Mention five (5) essential facilities that must be put in place to 	
safeguard the lives of laboratory users	5 marks