



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja.
FACULTY OF EDUCATION
2023 2 EXAMINATIONS

COURSE CODE EDU750

COURSE TITLE –BIOLOGY METHODS

TIME - 2HOURS

INSTRUCTION- ANSWER QUESTION NO. 1 AND ANY OTHER TWO

- 1(a) List the modern techniques of teaching biology
- (b) Explain the meaning of constructivism
- (c) Outline five principles of constructivist learning
- (d) What are the advantages of constructivism method of teaching?
- (e) State five guidelines that should be used to maintain order in a biology laboratory

(30marks 50 minutes)

- 2a. What do you understand by the experimentation method of teaching biology?
 - b. Discuss the phases of this method of teaching biology

(20marks 35minutes)

- 3(a) Define improvisation in Biology Teaching

- (b) State at least five reasons why it is important in biology teaching
- (c) List the six categories of cognitive behaviour.

(20marks 35minutes)

4. State and discuss ten safety regulations that should be applied in a biology teaching laboratory

(20marks 35minutes)

- iv.
- v. <I>

TOTAL :12MARKS

QUESTION 4

- 4. (a) State the objectives for the development of the World Wide Web. (3 marks)
- (b) Define a well-structured Uniform Resource Locator (URL) and explicate the anatomy of the URL. (5 marks)
- (c) List and describe the two types of browsers. (4 marks)

TOTAL :12MARKS

QUESTION 5

- 5. (ai.) Explain any four (4) of the following Internet Components. (8 marks)
 - i. World Wide Web
 - ii. Telnet
 - iii. E-Mail
 - iv. E-Mail Discussion Groups
 - v. Chat and Instant Messaging
 - vi. File Transfer Protocol (FTP)

- (b) Distinguish between Usenet News and E-Mail Discussion Groups. (4 marks)

TOTAL :12MARKS

QUESTION 6

- 6. (a) List four (4) Standard E-mail Protocols and state the difference between any two. (5 marks)
- (b) Enumerate four (4) e-mail privacy encryption protocols. (4 marks)
- (c) Determine the platforms for these Internet E-Mail Programmes. (3 marks)

Programme	Web Address	Platform
Claris E-mailer	http://www.claris.com	i _____
Eudora Pro	http://www.eudora.com	ii _____
Juno	http://www.juno.com	iii _____

TOTAL :12MARKS