National Open University of Nigeria Plot 91, Cadastral Zone, Nnamdi Azikwe Express Way, Jabi- Abuja Faculty of Education Department of Sciences Education 2023_1 POP EXAMINATION...

NOUN

Course Code: SED835 Course Title: Laboratory Design and Management Credit Unit: (3units) Time Allowed: 3 Hours Instruction: Answer question one (1) and any other three questions

Click to download more

- 1. (a) Discuss the distinctive features that differentiate between outdoor and indoor Laboratories (8marks)
- (b) Students performance in the laboratory are measured based on the three domains of learning. List and discuss (9marks)
- (c) Discuss the advantages and disadvantages of fixed and flexible design in school laboratories (8 marks)
 (Total Q 1 = 25marks)
- 2. (a) Discuss the need for a preparatory room in science laboratory (5marks)
- (b) Discuss the existing difference between power 8 laboratory and the laboratory built decades ago. (5marks)
- (c) Distinguished between the main store, work store and bulk store. (5marks)

(Total Q 2 = 15marks)

m to D from NounGeeks.com

- 3. (a) Discuss two preventive measures you can adopt to ensure safety in the school Laboratory (5marks)
- (b) List three protective devices and discuss their functions in the science laboratory. (5marks)
- (c) Discuss the hazards involved in using wrong procedures in disposing waste materials. (5marks)
 (Total Q3 = 15marks)
- 4. (a) Discuss the importance of labeling in a school laboratory (5marks)
- (b) Discuss the hazard posed by the use of electricity in a school laboratory. (5marks)
- (c) Draw a fire triangle and fix the three factors then discuss (5marks)

(Total Q4 = 15marks)

- 5 (a) As a science student in the Faculty of Education State, the sub headings of chapter three of a research work. (5marks)
- (b) A new school is established and you are posted to establish a Science Laboratory. Discuss your line of actions. (5marks)
- (c) Discuss the management role of a head of science department and his/her key responsibilities. (5marks)
 (Total Q 5 = 15marks)