



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2025_2 EXAMINATIONS

COURSE CODE: EHS513
COURSE TITLE: INDUSTRIAL SAFETY
COURSE UNITS: 2 CREDIT UNITS
TIME ALLOWED: 1 ½ HOURS
TOTAL SCORE: 70 MARKS
INSTRUCTION: ANSWER ALL QUESTIONS

- 1 (a) An effective safety management system is a key component of any business. Discuss **9 marks**
(b) List and explain the four (4) factors to be paid attention to for rectification of the causes of unsafe acts **8 marks**
(c)i. State the key difference between fire and explosion **3 marks**
ii. Itemize the three (3) examples of increasing intimacy of pre-mixing in respect to explosions **5 marks**
- 2 (a) Explain the forms of unsafe conditions involved in industrial operations **4 marks**
(b) Briefly explain the four (4) points needed to be considered on the repetition of the PDCA cycle **6 marks**
(c) Write a short note on Personal Protective Equipment and Role of tools **4 marks**
(d) Itemize any six (6) general requirements for guards **6 marks**
- 3 (a) The Centres for Disease Control and Prevention (CDCP) identified five chemical hazards that are especially dangerous in the workplace, even with only acute exposure. Briefly explain any three (3) of these chemicals **15 marks**
(b) Highlight what an employers should consider to effectively control and prevent hazards **5 marks**
(b) Describe how STOREMASTA methodology can be used in managing chemical hazards in a workplace **5 marks**