



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja.**  
**DEPARTMENT OF SCIENCE EDUCATION**

**EXAMINATION:** 2021\_1 ...

**COURSE CODE:** SED412

**COURSE TITLE:** INDUSTRIES AND INDUSTRIALIZATION

**CREDIT UNIT:** 2

**TIME ALLOWED:** 2HOURS

**INSTRUCTION:** ANSWER QUESTION ONE AND ANY OTHER TWO

**QUESTION 1**

a. In a scholastic attempt to define the term “waste”, provide a two-way description of the word “waste” by describing (i) what is waste (ii) what waste is not. **(4 marks)**

b. Your role in public campaign on Appropriate Waste Management Strategy is to educate the public on classification of waste. What are the three (3) major criteria that will be considered in your presentation? **(6 marks)**

c. Waste generation from well-established Industrial Estates across the country and its management are undoubtedly, a source of concern for both the State and Federal Governments of Nigeria. Highlight and describe any five (5) sources of industrial waste that should be considered in this regard. **(10 marks)**

d. Beside the pre-independence hypocritical stands of the colonial masters towards the technological and industrial development of Nigeria, state any other five (5) reasons that are responsible for the low level of technological and industrial breakthrough recorded after independence up till date. **(10 marks)**  
**(Total = 30 marks)**

**QUESTION 2**

a. It has been argued that science is the backbone of industrialization. With five relevant points, put up an argument to justify the roles of Industrialization in the economic development of a nation. **(5 marks)**

b. Going by the realities in your country of origin and the continental sub-region, identify any ten (10) problems that hinder industrial growth in the West Africa sub-region. **(10 marks)**

c. In a one-on-one talk with the Honourable Minister for Commerce and Industry, present any five (5) strong recommendations towards tackling the problem of industrial growth in Nigeria **(5 marks)**

**(Total = 20 marks)**

**QUESTION 3**

The historical narration on the efforts of the pre-independence regional governments on the development of science, technology and industrialization in Nigeria, and the establishment of the 1<sup>st</sup> research institute by the colonial government took a different dimension after the nation’s independence in 1960. Present

at least, ten (10) narrative of events on the development of technology and industrialisation after 1960.

**(Total 20 = marks)**

**QUESTION 4**

- (a) As an industrialist who intend to set up a viable industrial outlet in Nigeria, highlight five (5) locational requirements that must be considered before such industries can be set up **(10 marks)**
- (b) Present 5-way classification of locally manufactured industrial products in Nigeria **(10 marks)**

**(Total 20 = marks)**