

NATIONAL OPEN UNIVERSITY OF NIGERIA DEPARTMENT OF PEACE STUDIES & CONFLICT RESOLUTION FACULTY OF SOCIAL SCIENCES

2023_2 EXAMINATIONS...

Course Code: PCR 352

Course Title: Sustainable Environmental Development and Peace

Time Allowed: 3 Hours

Instruction: Answer any four questions.

Ouestion 1

Discuss the human-centred development objectives that required for sustainable development processes

Question 2

A sustainable society is evidential improvement in the quality of human life, discuss the indices and strategies interlinking the principle of sustainable society?

Ouestion 3

Outline the various reasons for environmental education

Ouestion 4

Explain the various socio-economic opportunities that can be derived from the natural resource base? (17.5 marks)

Question 5

Elucidate the principle of participatory development (17.5 marks)

Question 6

The mismatch between the rural and urban areas must be addressed through some conquering strategies in order to build and enhance peace and sustainable development, discuss?

- How is right-linear grammar differ from left-linear grammar? (2 marks)
- 6b. What type of regular grammar is represented below and why? (2 marks)

6c. Give the resulting grammar after removing E production in the following grammar (2marks)

$$A \rightarrow aAA \mid \epsilon$$

- 6d. What does the pumping lemma say? (3 marks)
- 6e Convert this regular expression to context-free grammar (3 marks)

i.
$$L=\{a^nb^n:n0\}$$
 $L=\{a^nb^n: n\ge 0\}$

ii.
$$L=\{a^nb^k: k>n \ge 0\}$$