



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikwe Express Way, Jabi- Abuja
Faculty of Education
Department of Arts and Social Sciences Education
2023 2 EXAMINATIONS—

Programme: PGDE
Course Code: EDU768
Course Title: Social Studies Methods
Credit Unit: 2 Units
Time Allowed: 2 Hours

Instruction: Answer 1 and other 2 questions

1. Explain four points that are new in the Structure of the 9-Year Basic Education Social Studies Curriculum. (5 marks each = 20 marks)

(b) Analyse the five steps that are involved in inquiry techniques according to SSCED (2003) (2 marks each = 10 marks)
2. (a) Enumerate three forms of discussion, as an instructional technique that can be used in the class while presenting a lesson. (4 marks each = 12 marks)

(b) Describe four importance of dramatization technique in teaching and learning Social Studies (2 marks each = 8 marks)
3. Develop a weekly Lesson Plan on any topic of your interest in Social Studies (20 marks)
4. Enumerate four factors that encourage effective use of instructional media in the teaching and learning of Social Studies in schools. (5 marks each = 20 marks)

bii) What is the wavelength of a 100eV electron? (4 Marks)

QUESTION 3

3ai) List the steps on writing Resonance (5 Marks)

3aii). Define of Angular Momentum Coupling (1Mark)

3aiii). Angular momentum is a property of a physical system that is a constant of motion in two situations, name the situations. (2Marks)

3b) Explain the example of first situation of the angular momentum (4Marks)

QUESTION 4

4a) Explain L-S coupling (5Marks)

4b) Explain J-J coupling (4Marks)

4c) Explain the term spin-spin coupling (3Marks)

QUESTION 5

5ai) What is bond order? (2Marks)

5aii). How do you determine bond order of a molecule (2Marks)

iii). Define bond length (2Marks)

5bi) Briefly explain bond energy (3Marks)

ii) Describe bond dissociation energy (3 Marks)

QUESTION 6

- State Hund's Rule and the Pauli's Exclusion Principle (4 Marks)
- Briefly describe principle quantum number (6 Marks)
- What is atomic spectrum (2 Marks)