

NATIONAL OPEN UNIVERSITY OF NIGERIA

91, Cadastral Zone, University Village Nnamdi Azikiwe Express way, Abuja Faculty of Education, Department of Science Education 2023_2 EXAMINATIONS.....

COURSE CODE: EDU815 QUESTION

COURSE TITLE: INSTRUCTIONAL TECHNIQUES AND METHODS IN

SCHOOLS MATHEMATICS

TIME ALLOWED: 2 HOURS 2 CREDIT UNITS

INSTRUCTION: ATTEMPT QUESTION 1 AND ANY OTHER TWO

- 1. In a Mathematics lesson, evaluation is an index for measuring instructional objectives. Explain these two terms and establish the validity of the claim. (30marks)
- 2a. Identify and discuss five problems confronting Mathematics teaching and learning in Nigerian schools. (10marks)
- 2b. How can various stakeholders in Mathematics (apart from government) proffer solutions to the problems of Mathematics teaching and learning? (10marks)
- 3a. What is a discovery method of Mathematics teaching? (6marks)
- 3b. Discuss the advantages and disadvantages of discovery teaching method. (14marks)
- 4) Without writing a lesson plan use the 3 steps presented below to explain the practical approach by which you will teach your JS1 students that the circumference of a circle $C = 2\pi r$.

1) the materials required (5marks)
2) the activities (11marks)

3) the presentation of result (4marks) (20marks)