



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION

UNIVERSITY EXAMINATION 2019/2020 ACADEMIC YEAR

**2nd YEAR 2nd SEMESTER EXAMINATION FOR DIPLOMA IN SPECIAL NEEDS
EDUCATION**

KISII CAMPUS

COURSE CODE : ESN 2221

TITLE : SPECIFIC METHODS OF TEACHING MATHEMATICS

DATE : 12/08/19 EXAM SESSION: 9.00 – 10.30am

TIME : 1 ½ HOURS

INSTRUCTIONS

1. Answer question one and any other two questions.
2. Candidates are advised not to write on the question paper.
3. Candidates must hand in their booklet to the invigilator while in the examination room.

1. (a) Differentiate between formative and summative evaluation (6mks)
(b) Identify five areas to consider before preparing to teach learners with special needs (5mks)
(c) What is differentiated curriculum (4mks)
(d) Identify 10 important areas that a good Mathematics lesson plan should have (5mks)
(e) What are the qualities of a good instructional objective (5mks)
(f) Explain the meaning of a syllabus. (5mks)
2. (a) (i) Define the term curriculum adaptation. (3mks)
(ii) Identify five areas in which curriculum can be adapted. (5mks)
(b) Identify and explain areas through which you can enhance peer learning in your Mathematics Class. (12mks)
3. (a) (i) What is task analysis (2mks)
(ii) State and explain four steps a teacher should take when using task analysis. (8mks)
(b) What is the role of the teacher in group learning when teaching Mathematics. (10mks)
4. (a) Explain three communication technique that can be used to promote the teaching and learning of Mathematics. Use relevant examples. (10mks)
(b) Explain what is involved in preparation of a scheme of work for Mathematics. (10mks)
5. (a) As a Mathematics teacher, state and explain the importance of assessment records in your Class. (10mks)
(b) What is the role of educational resources in the teaching of Mathematics? (10mks)