



MACHAKOS UNIVERSITY

University Examinations 2017/2018

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY, SPECIAL NEEDS EDUCATION
AND EARLY CHILDHOOD EDUCATION

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR BACHELOR OF
EDUCATION (EARLY CHILDHOOD EDUCATION)

ESN 425: ASSISTIVE TECHNOLOGY AND DEVICES FOR LEARNERS WITH
PHYSICAL DISABILITIES (PH) & OTHER HEALTH IMPAIRMENTS

DATE: 11/12/2017

TIME: 8.30-10.30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- Explain why diagnostic assessment should be conducted on children with physical disabilities and other health impairments? (6 marks)
- Describe the personnel that may be used for early identification of children with physical disabilities for determination of provision of assistive devices. (6 marks)
- Explain what is an individualized educational programme (IEP) while outlining its major components. (8 marks)
- Describe the indicators of fine motor coordination skills which may require provision of assistive devices. (8 marks)

QUESTION TWO (20 MARKS)

Describe examples of different types of assistive technology devices applicable to learners with physical disabilities (20 marks)

QUESTION THREE (20 MARKS)

Discuss the benefits of play in relation to physical activities of children with physical disabilities and other health impairments. (20 marks)

QUESTION FOUR (20 MARKS)

Discuss the factors that may influence educational assessment of children with physical disabilities for determination of provision of assistive devices. (20 marks)