



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY, SPECIAL NEEDS EDUCATION

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF EDUCATION (SPECIAL NEEDS EDUCATION)

ESN 425: ASSISTIVE TECHNOLOGY AND DEVICES FOR LEARNERS WITH
PHYSICAL DISABILITY AND OTHER HEALTH IMPAIRMENT

DATE: 30/5/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30 MARKS)

- a) Describe various types of Assistive Technology Devices available for learners with physical disabilities. (10 marks)
- b) Discuss the components of an individualized education programme (I.E.P) for learners with disabilities. (10 marks)
- c) Describe the various self-care skills for learners with physical and other health impairments (10 marks)

QUESTION TWO (20 MARKS)

- a) Describe ten mobility devices used by learners with physical and health impairments (10 marks)

- b) Outline the characteristics of a barrier free environment for learners with physical and health impairments (10 marks)

QUESTION THREE (20 MARKS)

- a) Discuss the various devices for positioning and reading for learners with physical and health impairments (10 marks)
- b) Describe the various assessment considerations in procuring assistive devices for learner with physical and health impairments (10 marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the role of assistive technology to persons with physical and health impairments (10 marks)
- b) Explain the various devices that can be used for self-care and domestic tasks by persons with physical and health impairments. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Describe the various pre-vocational and domestic tasks that a person with physical and health impairments can participate in. (10 marks)
- b) Discuss the various assistive devices that can be used by persons with physical and health impairments during play and leisure activities (10 marks)