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MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2012/2013

SECOND YEAR FIRST SEMESTER EXAMINATIONS FOR THE DIPLOMA IN SPECIAL NEEDS EDUCATION (CITY CAMPUS)

EDSE 0112: ICT AND SPECIAL NEEDS EDUCATION

Date: 18th July, 2013

Time: 9.00 – 11.00 a.m.



EDSE 0112: ICT AND SPECIAL NEEDS EDUCATION

KISUMU CITY CAMPUS

Instructions: Answer any four questions. Each question carries 15 marks.

Q1. a) Explain the concept of Information and Communication Technology (ICT)
(3 marks)

b) Giving examples, state two types of products that assistive technology will provide to each of the following learners with special needs

i). The visually impaired

ii). The hearing impaired

iii). Learners with communication problems

iv). The mentally handicapped (12 marks)

Q2. a). Define the term assistive technology (2 marks)

b). State three examples of instructional technology. (3 marks)

c). Explain five benefits of assistive technology to learners with special needs
(10 marks)

Q3. a). State three examples of the old manual systems that were used before the emergence of computer. (2 marks)

b). Give three examples of the benefit of a computer as increased productivity of Information and communication technology (ICT) investment return. (3 marks)

c). Explain three disadvantages of computer (12 marks)

Q4. Discuss five aspects to consider when making educational resources for learners with special needs. (15 marks)

Q5. a). Explain the concept " Alternative output Devices" (3 marks)

b). Using relevant examples, describe how the following alternative output devices would assist learners with special needs:

i). Screen magnifier

ii). Screen reader

iii). Speech synthesizer

iv). Light signaler (12 marks)

Q6. a). Mention three functions of a computer. (3 marks)

b). Using suitable examples, explain the following types of computers:

i). Personal computers

ii). Mobile computers. (12 marks)

Q7. Discuss five problems a teacher of learners with special needs would face when managing educational resources. (15 marks)