

THE OPEN UNIVERSITY OF SRI LANKA
DEGREE OF MASTER OF EDUCATION
FINAL EXAMINATION - 2009
ESP 2332 – COMPUTER TECHNOLOGY IN EDUCATION
DURATION : THREE (03) HOURS



DATE : 13th February 2009

TIME: 9.30 a.m. – 12.30 p.m.

ANSWER THREE (03) QUESTIONS ONLY.

01. i. Explain with examples, four instances in which teachers use computer technology in education. (40 marks)
- ii. Describe briefly four factors to be considered, when integrating computer technology into classroom learning. (30 marks)
- iii. Discuss the role of teachers when integrating computer technology effectively into teaching and learning. (30 marks)
02. i. Differentiate between an “instructivist approach” and a “constructivist approach” to learning. (30 marks)
- ii. Explain using an example, how computer technology can be used to provide a “meaningful learning experience” for students. (40 marks)
- iii. State three factors to consider when designing computer assisted learning materials for students. (30 marks)

03. i. Explain what is meant by “Information and Communication Technology” (ICT).
(30 marks)
- ii. Discuss two new trends in ICT, which support open and distance learning (ODL).
(40 marks)
- iii. Describe in brief, five challenges faced by teachers and learners in the use of new ICTS.
(30 marks)
04. i. Explain how the World Wide Web(WWW) functions as a “Storehouse of Information” and a “Global Communication System”.
(30 marks)
- ii. Describe five features of the WWW which makes it a unique learning environment.
(40 marks)
- iii. State five advantages of a learning management system, to distance learners.
(30 marks)
05. i. Describe five main stages in the instructional design process of multimedia learning materials.
(40 marks)
- ii. Explain what is meant by “Interactive Multimedia”
(30 marks)
- iii. State five advantages of using interactive multimedia in the teaching-learning process.
(30 marks)
06. Write short notes on any three (03) of the following.
- i. Use of computers as ‘cognitive tools’
ii. Different types of instructional software
iii. Advantages of special purpose software
iv. Teachers as designers of computers assisted learning materials.
v. Learning with computer technology.

(33 1/3 marks each)

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