RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (Four year) Degree in Information and Communication Technology
Fourth Year - Semester I Examination– September/October 2019

ICT 4201 – FUNDEMENTALS OF E-LEARNING

Time: Two (02) hours

Answer ALL the Questions

1.

a) Learning in a classroom is more personal and interactive, but there are lots of benefits from an online course. Discuss the pros and cons of an online course. **(6 marks)**

b) What are the advantages of collaborative learning? How do you implement collaborative learning in an e-learning environment? **(6 marks)**

c) What is the difference between synchronous and asynchronous learning? **(4 marks)**

d) Assume that you are appointed as the director of computer center, Rajatara University of Sri Lanka. You wish to introduce e-learning environment for Faculty of Applied Sciences. Conduct a SWOT analysis for the e-learning the model. **(9 marks)**

2.

a) Who is the facilitator in an e-learning environment? Explain the role of facilitator using following aspects:

- Pedagogical
- Social
- Managerial
- Technical **(8 marks)**

b) When planning to teach with technology, do you choose the technology first, or the learning activities first? Justify your answer. **(6 marks)**

c) Compare and contrast andragogy vs. pedagogy. **(4 marks)**

d) How exactly does a MOOC work? Explain your own experience with MOOC?

(7 marks)

3.

a) Why is it important to follow an instructional design model in e-learning environment? **(5 marks)**

b) The traditional theories of learning are based on two major traditions of psychology: behaviorism and cognitivism. Discuss the primary concerns of these approaches and their strong points as a theory of human learning. **(6 marks)**

c) Discuss application of Bloom's Taxonomy in creating objectives of a course.

(8 marks)

d) How do you evaluate course effectiveness? **(6 marks)**

4.

a) Discuss the importance of having policies in an e-learning environment. **(4 marks)**

b) What is Shareable content Reference Model (SCORM)? Explain four (04) main properties of SCORM. **(6 marks)**

c) Common Cartridge (CC) is proposed as an enhancement of SCORM offering more flexibility. Explain. **(7 marks)**

d) Write short notes on following trends in e-learning

  i. Adaptive Learning
  ii. Micro Learning
  iii. Social Learning
  iv. Content curation **(8 marks)**

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