RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (Four year) Degree in Information and Communication Technology
Fourth Year - Semester I Examination – October/November 2017

ICT 4201 – ICT FOR EDUCATION

Answer all questions   **Time: Two (2) hours**

1

   (a)   What does the 'e' in 'e-learning' represent? Explain using your own ideas.

                  (5 Marks)

   (b)   How does student's motivation affect e-learning? Explain.

                  (6 Marks)

   (c)   Explain how blended learning is a disruptive innovation in education.

                  (6 Marks)

   (d)   What is pedagogy? Explain how you develop e-learning with pedagogy in mind.

                  (8 Marks)

2

   (a)   What do you understand by the term "Wisdom of the crowds" and how it applies to web 2.0? Explain.

                  (6 Marks)

   (b)   What is the importance of "interaction" in learning and teaching? Explain.

                  (6 Marks)

   (c)   Why Educators Need to Know Learning Theory? Explain.

                  (5 Marks)

   (d)   Name and define the six levels in Bloom's Taxonomy for the Cognitive Domain. Describe how each level fits with the cognitive theory of learning.

                  (8 Marks)

3

    (a)   What is the purpose of the course evaluation?

                                 (5 Marks)

    (b)   According to the Kirkpatrick model, evaluation can encompass four levels. What are they? Explain.

                                 (8 Marks)

    (c)   Why is it important to follow an instructional design model in e-learning environment? Explain.

                                 (6 Marks)

    (d)   Explain the experience that you gathered from following an online course (MOOC). Do you think you can really get a quality education by being a part of 100 000 people who follow an online course? Discuss.

                                 (6 Marks)

4

    (a)   Explain what is SCORM and its use in an e-learning environment. Use examples or diagrams if necessary. Highlight the main concepts of SCORM

                                 (6 Marks)

    (b)   Compare and contrast SCORM versus Common Cartridge.

                                 (4 Marks)

    (c)   "Educational technology refers to the effective use of technological tools to achieve the best fit pedagogy." Discuss.

                                 (6 Marks)

    (d)   Learning management systems facilitate collaborative learning. Do you agree with this? Illustrate your answer.

                                 (4 Marks)

    (e)   Write a short description about "The Future of e-learning."

                                 (5 Marks)

END