



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (Four year) Degree in Information and Communication Technology
Fourth Year – Semester I Examination – June/July 2018**

ICT 4201 – ICT FOR EDUCATION

Answer all questions

Time: Two (2) hours

1.

- a) How blended learning is making an impact inside and outside the classroom? Explain using your own experience as an undergraduate. (6 Marks)
- b) In what way should the role of students and teachers change in order to enhance the quality of an e-learning course? Explain. (5 Marks)
- c) Today the word “**facilitator**” has emerged as an alternative to “teacher”, explain how the role facilitator differs from the teacher. (6 Marks)
- d) Differentiate ‘Teacher- and Classroom-Centered Instructional Design’ and ‘Student- and Learning-Centered Instructional Design’. (8 Marks)

2.

- a) Today babies to school age children are digital consumers. We can use Web 2.0 technology to enhance their learning experience. Discuss using four (04) examples. (6 Marks)
- b) What would be the future of web? How will it affect the education? (4 Marks)
- c) What is pedagogy? Differentiate pedagogy versus andragogy. (7 Marks)

- d) Explain the importance of post course evaluation for e-learning course. Discuss four sections that you cover through the post course evaluation.

(8 Marks)

3.

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

(6 Marks)

- b) Explain Behaviorism, Cognitivism & Constructivism and their usability in distance learning.

(6 Marks)

- c) Using Kirkpatrick's model, describe four levels of evaluation.

(5 Marks)

- d) Compare the Kemp's model with ADDIE model with respect to: comprehensiveness, simplicity, and feasibility.

(8 Marks)

4.

- a) Explain the correct and ethical usage of copyright materials in an e-learning environment?

(6 Marks)

- b) What is SCORM? Explain four ilities of SCORM.

(8 Marks)

- c) How does interoperability of Common Cartridge compare to interoperability of SCORM?

(5Marks)

- d) A great way to integrate technology into a lesson is to use the Technology, Pedagogy and Content Knowledge. Discuss.

(6 Marks)

END