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**Question Paper Code : 10814**

M.C.A. DEGREE EXAMINATIONS, APRIL/MAY 2023

Elective

MC 4003 — E - LEARNING

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Why is E-learning essential? List few approaches of E – learning?
2. What is actionable strategy? Give one example.
3. Present any two instructional models for a practical course.
4. List the characteristics that need to be considered to determine target audience.
5. Write a story-board for any science topic.
6. List the different types of authoring tools.
7. Present the advantages of using a Learning Management System.
8. Give two examples each for LMS and LCMS indicating the difference between them.
9. Formulate a learning activity for the lesson “Addition of fractions”.
10. What are the different communication tools in an E-learning environment?



PART B — (5 × 13 = 65 marks)

11. (a) Differentiate between synchronous and asynchronous modes of learning and explain the methods to ensure the quality E-learning.

Or

- (b) What are the different activities in a blended learning and explain the workflow to produce and deliver E-learning content.

12. (a) Explain the process of formulating course content and learning objective from the need analysis with an example.

Or

- (b) Explain how to define the course sequence, evaluation and delivery strategies with an example.

13. (a) Assume you are developing a E-learning solution for your favourite course. Design a structure for the lessons and explain the different techniques that you will follow in presenting the content.

Or

- (b) Assume you have developed a E-learning platform for 10<sup>th</sup> standard students for mathematics with interactive lectures from experts. Explain your strategies to design assessments and selection of authoring tool.

14. (a) Describe the different types of learning platforms and make a detailed study on each of them.

Or

- (b) Discuss in detail about the E-learning solutions offered through LMS.



5. (a) Develop a complete plan for launching a E-learning course on "Short film making" and provide appropriate documents.

Or

- (b) Design appropriate learning methods and delivery formats for a E-learning course on "You tubing essentials" and write the necessary procedures for evaluating them.

PART C — (1 × 15 = 15 marks)

- (a) Assume that you are developing e-learning course on "Professional Communication". Create an interactive courseware with appropriate authoring tool and give the complete plan in implementing with an LMS. Create a budget for creating the entire course.

Or

- (b) Design a training plan for the faculty of an institution to develop E-learning courses for their students only. Suggest suitable infrastructure and process flow for implementing the same.
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