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Programme: B.Sc.TE 2-Yr 4th Sem.

Date: 26 September 2025, Friday

Time: 10:00 AM to 1:00 PM

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)
ORGANISATION OF ISLAMIC COÖPERATION (OIC)
DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

Semester Final Examination

Academic Year (2023-2024)

Course No: TVE 4229

Time : 3Hrs

Course Title: Instructional Technology and Communication Skills

Full Marks : 150

There are (8) eight questions. Answer any 6 (six).

Figures in the right margin indicate marks of the questions

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| 1. (a) Define instructional technology. In what ways can instructional technology be effectively leveraged to enhance student learning outcomes and engagement in both traditional and online learning environments? | 15 | CO1 |
| (b) Describe in detail the different steps of instructional technology used in the teaching-learning process. | 10 | CO2 |
| 2. (a) What are the various types of teaching aids available, and how can educators select and use them appropriately to meet specific learning objectives? | 20 | CO3 |
| (b) State the characteristics of effective teaching aids. | 05 | CO1 |
| 3. (a) What is classroom communication? How does effective classroom communication influence student engagement, understanding, and overall academic performance? | 10 | CO1 |
| (b) What are the key barriers to effective classroom communication, and how can teachers overcome them to create an inclusive and supportive learning environment? | 15 | CO2 |
| 4. (a) Define Computer-Aided Instruction (CAI). Discuss briefly the basic assumptions of CAI for its use as a method of instruction. | 15 | CO1 |
| (b) Explain briefly the advantages and limitations of using ICT in teaching and learning process. | 10 | CO2 |
| 5. (a) Define the concept of e-learning. What steps would you like to take for the upgrade and organization of e-learning in your educational institutions? | 10 | CO1 |
| (b) Briefly discuss the various delivery methods of e-learning and their impact on teaching and learning. | 15 | CO2 |
| 6. (a) What do you mean by instructional objectives? Explain briefly in what ways instructional objectives differ from the teaching aims and objectives. | 15 | CO1 |
| (b) Explain Bloom's taxonomy of educational objectives, focusing on the cognitive and affective domains with example, as developed by Bloom and his associates. | 10 | CO2 |
| 7. (a) What do you understand by the term programmed learning or program instruction? Discuss the nature and fundamental characteristics of programmed learning. | 15 | CO1 |
| (b) Explain the basic assumptions and procedure of branching programming which is used in teaching and learning. | 10 | CO2 |
| 8. (a) Briefly discuss the shift of the learning paradigm from the traditional system to the Open Distance Learning (ODL) system. | 15 | CO1 |
| (b) Provide a brief explanation of the various functions of the Learning Resource Centre (LRC) in educational institutions. | 10 | CO2 |