

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

Semester Final Examination
Course Code No: TVE 4279
Course Title: Educational Technology

Summer Semester (2022-2023)
Duration : 3:00 hours
Full Marks : 100

There are 8 (Eight) questions. Answer any 6 (Six).
Figures in the right margin indicate full marks of the question(s).

1. a) Discuss the major functions of educational technology. 10
b) State macro and micro level objectives of educational technology. 6.66
2. a) How do modern educational technologies change the process of teaching and learning? 10
b) Discuss the characteristics of best teaching considering contributions of educational technologies. 6.66
3. a) What are the essential skills in teaching required for 21st century? Discuss. 10
b) Define tasks of teaching. How does educational technology make teaching and learning digitalized in context of modernizations? 6.66
4. a) What is meant by IO and LO? Discuss the rules of writing SMART objectives for instruction. 10
b) Select a topic and design an instructional model considering Bloom's Taxonomy. 6.66
5. Narrate the historical background and expansions of ICTs as technologies evolved in modern era. 16.66
6. a) What is meant by 'theory of teaching'? Discuss some maxims of teaching. 10
b) Discuss roles of e-Learning in modern classrooms to improve teaching-learning process. 6.66
7. a) What is learner controlled instruction (LCI)? How can you popularize LCI in your University? 10
b) Compare the model of traditional instruction and LCI. 6.66
8. a) What is meant by technology-enhanced learning (TEL) and technology integrated into traditional learning (TITL)? Discuss the challenges faced by the teachers inside TEL/TITL classrooms. 6.66
b) Write short notes (any three) on the following: 10
 - (i) Cloud computing,
 - (ii) Web-based Learning,
 - (iii) IoT in Education,
 - (iv) Hybrid pedagogy,
 - (v) Critical thinking and problem-solving skills,
 - (vi) Social Networking in learning.