

10

Name of the Program: MScTE 2nd Sem
Semester: Summer semester

Date: 04 May, 2023
Time: 10:00 am – 1:00 pm

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

Final Semester Examination
Course Number: TVE 6233
Course Title: Online Teaching and learning

Summer Semester: 2021 - 2022
Full Marks: 150
Time: 3 Hours

There are **8 (eight)** questions. Answer **6 (six)** questions. The symbols have their usual meaning.
Compulsory Questions 1, 4 & 8.

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| 1. | a) Consider you are a teacher of TVET sector, Elaborate in which time (context) do you need to use (incorporate) online teaching and learning in your subject. | 10 | CO1 |
| | b) Identify three main constraints of incorporating online teaching and learning in TVET sector of Bangladesh. Why do you consider them (these three) as the main constraints (provide justification)? | 15 | |
| 2. | a) Draw hierarchical relationship map in cognitive learning theory of online and show how it is used for online learning. | 10 | CO2 |
| | b) Prepare a comparison considering key aspects (characteristics) among four <i>Attributes of Learning</i> such as: learner centered, knowledge centered, assessment centered, and community centered. | 15 | |
| 3. | a) 'Cognitive psychology looks at learning from an information processing point of view, where the learner uses different types of memory during learning', Elaborate different types (stages) of memory with the help of a diagram. | 17 | CO2 |
| | b) Briefly discuss the following interaction in case of online teaching contexts:
(i) Student-content interaction, (ii) Content -Content interaction | 08 | |
| 4. | a) Consider, you are working as a Director of a Center of Online teaching and learning in your institution. Your center is willing to offer online courses for national and international students. In this stage, which technology (open or institutionally supported) will you choose for your institution? Provide advantage and disadvantage of your preference with supporting examples. | 18 | CO3 |
| | b) Do you believe, Facebook can be used as a LMS? Justify your answer with a real example. | 07 | |
| 5. | a) ' <i>The importance of pedagogy over technology</i> ', is the key philosophy while planning your instruction (teaching) in face to face/blended/online contexts. Clarify this claim with examples. | 09 | CO4 |
| | b) Discuss useful strategies for planning online classroom considering
(i) blended learning classes, and (ii) fully online classes. | 16 | |

6. a) After critically reviewing the *Constructive alignment in university teaching* (John Biggs) paper, discuss why Constructive alignment is important in university teaching. 10 CO4
- b) Choose a subject from your area of specialization and design course outcomes (learning outcomes), teaching and learning activities and assessment that follow constructive alignment. 15
7. a) What is meant to you by digital literacy in online teaching? 10 CO4
- b) Consider, you are conducting a subject via online mode as a university teacher in the academic year 2021-2022. How could you be benefited from online resources for this subject? 15
8. a) Consider, you are conducting a subject via online mode as a university teacher in the academic year 2021-2022. In this context, how could you motivate your students in their learning to achieve desired learning outcomes? 13 CO5
- b) Consider, your institution does not have any policy on copyright law in relation to using online resources. Under this circumstance, what will you do when you find an important online resource for your upcoming lecture at post-graduate level? Clarify your answer following international *Copyright law*. 12