

Program: BscTE, 3<sup>rd</sup> Semester  
Semester: Winter

Date: Saturday, 09 December, 2023  
Time: 1:30 pm – 4:30 pm

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

Exam: Semester Final Examination	Academic Year: 2022 – 2023
Course Number: TVE 4117	Full Marks: 150
Course Title: Curriculum Development, Administration & Supervision of Technical and Vocational Education	Duration: 3 Hours

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

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|----|---|----|------------|
| 1. | a) Differentiate between formal, informal and hidden curriculum with examples from the technical and vocational education context.  | 9  | CO1<br>PO2 |
|    | b) Consider a subject of your specialization and create a <i>table of specifications</i> for that course. Follow the instructions below to prepare the table.   | 16 |            |
|    | <ul style="list-style-type: none"> <li>• There will be six questions and each question must have sub-questions. Students need to answer any five questions.</li> <li>• Total marks 100</li> </ul>   |    |            |
|    | Based on your <i>table of specifications</i> , formulate questions using appropriate action verbs.  |    |            |
| 2. | a) Explain DACUM approach of curriculum development in technical and vocation education with a process flowchart.   | 13 | CO2<br>PO2 |
|    | b) Consider a job title from your specialization and create a DACUM chart highlighting the duties and tasks for that job.   | 12 |            |
| 3. | a) List the potential stakeholders in the curriculum development process of TVET?   | 5  | CO1        |
|    | b) What are advantages of a common curriculum used by different institutions?   | 7  | PO2        |
|    | c) Describe the four major types of assessment procedures. Identify when and why they are needed to administer during an academic year.   | 13 |            |
| 4. | a) What is <i>cognitive overload</i> ? What strategies are recommended in curriculum implementation to prevent <i>cognitive overload</i> ?  | 15 | CO2<br>PO2 |
|    | b) Draw the <i>information processing model</i> and explain how this model is analogous with a computer system.   | 10 |            |
|    | c) Consider yourself a classroom teacher. What will you do for your students to store and encode information in their long-term memory? Based on the cognitive theory explain the three methods of storing and encoding:  |    |            |
|    | <ul style="list-style-type: none"> <li>i. Rehearsal,</li> <li>ii. Elaboration,</li> <li>iii. Organization.</li> </ul>   |    |            |
| 5. | a) What are Domains of Learning? If a course teacher is not aware about the domain of learning, how will it impact in assessing learning outcomes of the students of that course? Explain with an example.  | 12 | CO1<br>PO2 |
|    | b) Differentiate between norm reference assessment and criterion reference assessment. Consider a case where criterion-referenced assessment is appropriate for interpreting results. However, as no instructions about the interpretation of results were provided in the curriculum, the teacher employed a norm-referenced assessment in this case. What possible problems may arise from the assessment perspectives? | 13 |            |

6. One of the fundamental domains that must be considered in TVET curriculum is the *affective domain*. Consider a behavior from this domain that you want your students to develop/change. Explain how you can apply behaviorism theory to observe such change. 25 CO2 PO2
7. Effective communication is essential for the overall management on an organization. Consider yourself as an instructor of a polytechnic institute in your country. As a part of your job, you need to communicate with different types of people such as hostile, indifferent, uninformed and supportive. Explain what strategies you need to follow to communicate effectively with each type of people. While preparing your answer you can consider the following points. 25 CO3 PO2
- a) How do they communicate?
  - b) Why do they communicate that way?
  - c) How can you communicate with them?
8. a) Belbin has identified nine different clusters of behaviors - contributions that people can make at work, which are called the Belbin Team Roles. State the strength and weakness of each role. 10 CO3 PO2
- b) Consider a project where you are working as a Coordinator. In your team, you have potential members who can take the rest of the eight Belbin Team Roles. Explain how you will engage each team members during the project lifecycle and why? 15