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Name of the Program: PhD
Semester: Summer

Date: 20 February, 2023
Time: 2:00 pm – 3:30 pm

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

Mid Semester Examination
Course Number: TVE 6275
Course Title: Trends and Issues in Technical and Vocational Education

Summer Semester: 2021 - 2022
Full Marks: 75
Time : 90 minutes

There are 4 (Four) questions. Answer 3 (three) questions The symbols have their usual meanings.

1. As a PhD student, you would like to choose a research problem in the area of improving technical and vocational education and training (TVET) in your country (African Region). While you have been taught a chapter: *TVET in the Asian Region: Issues, Concerns and Prospects*, you could be able to grasp conceptual understanding of recent issues and prospects of Asian countries. Based on this understanding, identify, and discuss major Organizational Problems and the Constraints of TVET sectors in your country. 25
CO1
2. While you have been taught a chapter: *A Conceptual Framework for Technical and Vocational Education and Training*, you came to apprehend that major components of TVET are represented by five categories: curriculum; instruction and delivery options; student assessment; clientele; and programme evaluation (accountability). By applying this concept, you should select major components of TVET in your country and discuss them and provide reasons why these components are essential for improving TVET of your country. 25
CO1
3. While you have been taught a chapter: *Models and Principles for Designing Competence-based Curricula, Teaching, Learning and Assessment*, you have found the "Table 25.1: an example of a vocational core problem for the qualification profile animal care specialist. This programme counts 4 years, at the senior secondary vocational education level, and is comparable with level 5 in the European qualifications framework". 25
CO2

Based on this example, design an example of one vocational core problem in the Computer or Mechanical (sector) for the qualification profile of "choose one from the Computer or Mechanical discipline" following Table guideline:

Vocational Core Problem	
Job tasks	
Professional dilemmas	
Competencies	
Performance indicator (example)	

4. While you have been taught a chapter: *Development Trends of Digitalization* (Fourth Industrial Revolution), you found that the empirical work of the European project Auto 4.0 identified three competences:

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CO2

- broad competences (as “new basics”);
- context-specific competences I and II; and
- “abstract” competences.

Considering this evidence, outline different type of competences relevant for skilled and highly skilled workers in Fourth Industrial Revolution (4IR).