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Program: B. Sc. TE 2-Yr, 3<sup>rd</sup> Sem.  
Semester: Winter

Date: Friday, 6 Oct 2023 (Afternoon)  
Time: 2:30 am – 4:00 pm

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

Mid Semester Examination

Course Number: TVE 4117

Course Title: Curriculum Development, Administration &  
Supervision of Technical and Vocational Education.

Summer Semester: 2022 - 2023

Full Marks: 75

Time: 90 minutes

There are 4 (four) questions. Question number 1 is compulsory. Answer any 2 (two) from the rest.

1. a) Differentiate between a *centralized education system* and a *decentralized education system*. (5+10+10)  
b) Define *curriculum alignment* and discuss the elements that need to be aligned from the perspectives of students, teachers, and administrators. (CO1)  
c) "Effective adaptation and implementation of curriculum requires *pedagogical content knowledge (PCK)* possessed by teachers". Justify this statement. (PO2)
2. a) Explain the concept of a *teacher's curriculum* and discuss the significance of understanding learning theories for effective curriculum implementation in classrooms. (7+8+10)  
b) Compare and contrast *classical conditioning* and *operant conditioning* within the Behavioral theory of learning. (CO2)  
c) Select a behavior from the affective domain of learning that you would like to increase or decrease in your class. Explain the theory you would apply to alter this behavior. (PO2)
3. a) Differentiate between the behavioral view and the cognitive view of learning. (5+10+10)  
b) What is meant by *retrieval* in the information processing model? Describe the three theories that may explain the *retrieval failure*. (CO2)  
c) Utilizing the *information processing model*, explain how understanding cognitive processes can influence the development of an effective curriculum. Provide specific examples of how curriculum design can be adapted based on cognitive theories. (PO2)
4. a) What do you understand by *metacognition*? Explain with examples. (5+10+10)  
b) Describe strategies you would employ to enhance students' *attention* in the classroom, providing examples for each strategy. (CO2)  
c) Define *cognitive overload* and outline strategies to mitigate *cognitive overload* for students. (PO2)