



Program: DTE (1<sup>st</sup> Semester)  
Semester: Winter

Date: 06 October 2023, Morning  
Time: 10.30 am to 12.00 pm

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

Examination: Mid Semester (Winter)  
Course No: TVE 4103  
Course Title: Educational Psychology

Academic Year: 2022-2023  
Full Marks: 75  
Time: 90 minutes

**There are 4 (four) questions. Answer any 3 (three) questions.**  
Figures in the right margin indicate marks of the questions.

1. (a) According to Johann Herbart, what are the five formal steps that a teacher should use while presenting new information or material to the students? (5) CO1
- (b) What is the *theory of consciousness*? How is the *introspection* method used to understand the *theory of consciousness*? (8) CO1
- (c) Why did John B. Watson think that the study of *consciousness* was flawed? What alternative *theory* did he propose? Discuss. (12) CO1
  
2. (a) What is *socioemotional process* in child development. Give one example. (5) CO2
- (b) *Current views of human development emphasize complex coactions of nature and nurture*. Discuss this statement with an example. (10) CO2
- (c) What are *synaptic connections*? How do *synaptic connections* contribute to the brain development of an adolescent? (10) CO2
  
3. (a) Discuss the *principle of contiguity* in learning. Explain with examples how the concept of *contiguity* becomes the founding principle of *behavioral views of learning*? (12) CO3
- (b) What are *aversive stimuli* in the learning process? Discuss the role of *systematic desensitization* to reduce the effect of *aversive stimuli* in the learning process. (13) CO3
  
4. (a) What is operant conditioning theory? How does this theory overcome the limitation of the classical conditioning? (6) CO3
- (b) Explain the law of effect with an example. (6) CO3
- (c) Discuss the effect of positive reinforcement, negative reinforcement, and punishment on student learning. (13) CO3