

TVE IDPA.

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

Examination: Mid Semester
Course No: TVE 4103
Course Title: Educational Psychology

Academic Year: 2024-2025
Full Marks: 120
Time: 2.00 hours

There are 4 (four) questions. Answer them all.
Figures in the right margin indicate marks of the questions.

1. (a) Define educational psychology. Explain why educational psychology must rely on scientific methods rather than philosophical speculation. (15) CO1
- (b) The concept of critical periods has been largely replaced by sensitive periods. Why is this shift important for educational intervention? (15) CO1
2. (a) Define the principle of *contiguity* in learning with an example. (5) CO1
- (b) Define stimulus and response. Classify them with reference to classical conditioning, giving suitable examples. (10)
- (c) Explain how counterconditioning works in reducing negative emotional responses. Why is relaxation considered incompatible with anxiety in this process? (15) CO1
3. (a) Define Law of Effect in Learning. (5) CO1
- (b) A lecturer introduces weekly quizzes but later observes a decline in student participation. Using the Law of Effect, analyze why the intended behavior did not strengthen and suggest a modification to the consequence. (10) CO1
- (c) A student feels anxious when entering a lab, while another student studies harder after receiving praise on their work. Differentiate these two behaviors using operant and classical conditioning principles, justifying your classification. (15)
4. (a) What is reinforcement? (5) CO1
- (b) A student improves participation in one course after reinforcement but not in others. Analyze this outcome using the concepts of generalization and discrimination in operant conditioning. (10) CO1
- (c) A teacher exempts students from a quiz if they submit assignments early. Determine whether this is positive reinforcement, negative reinforcement, or punishment, and explain your reasoning. (15) CO1