

Program : MScTE (2<sup>nd</sup> Semester)  
Semester : Summer

Date : 11 March 2024, Monday  
Time : 2.30 pm to 4.00 pm, Afternoon

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

Examination : Mid Semester  
Course No : TVE 6213  
Course Title : Advanced Educational Psychology

Academic Year : 2022-2023  
Full Marks : 75  
Time : 1.30 hours

There are four (4) questions. Answer any three (3) of them.  
Numbers in the right margin indicate marks of the questions. The symbols have their usual meaning.

1. a) Cultural tools are fundamental for cognitive growth because they allow an individual to go beyond his/her physical and mental limitations. - Based on this notion,
  - i) Define and classify cultural tools. (5)
  - ii) Give examples for each classification of the cultural tools. (5)
  - iii) Explain why it is difficult or impossible to represent large quantities, certain ways of thinking mathematically, or demonstrate higher-order mental processes using some of the cultural tools. (15)
  
2. a) Define perception of human mind. (5)  
 b) Based on the notion illustrated in Fig. 1, discuss how context influences human perceptions of processing new information. (10)  
 c) Discuss the educational implications of perception. (10)
  
3. a) What is private speech? (5)  
 b) For Piaget private speech is egocentric and immature, but for Vygotsky it is an important tool of cognitive development. - Discuss the statement with examples. (8)  
 c) Explain with an example how children internalize their egocentric speech in the form of inner speech. (7)  
 d) Why did Vygotsky call inner speech "an internal plane of verbal thinking"—a critical accomplishment on the road to higher-order thinking and self-regulation? (5)
  
4. a) What are the encoding processes the human brain employs while transferring information from sensory memory to working memory? (4)  
 b) Distinguish between automatic and conscious processing. How do these two processes influence the capacity of human attention? (10)  
 c) What is multi-tasking? List the different types of multi-tasking. How does attention influence multi-tasking? (6)  
 d) Why is it important to provide learners with a predictable and safe classroom environment? (5)



Fig. 1