



Eastern University, Sri Lanka

Faculty of Science

First Semester Examination in M.Sc. in Science Education

2013/2014 (March 2016)

MSED 2501 Pedagogical Psychology

Answer all questions

Time: 02 hours

1)

a) Explain the following statement in relation to child growth and development.

- i) Growth refers to change in size
- ii) Maturation involves qualitative change
- iii) Development involves a series of progress.

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(07 marks)

b) Piaget's revolutionized thinking and understanding about the intellectual growth of young children. According to his theory, a child goes through a series of developmental stages. Briefly explain these stages of child development.

(08 marks)

c) Briefly explain the following aspects of mental development.

- i) Intelligence and mental development
- ii) Sensation and Perception
- iii) Concept Formation
- iv) Development of Memory
- v) Creativity

(5 x 02 = 10 marks)

Cont...

2)

- a) Piaget introduced four concepts in the building of his theory. Briefly explain the concepts. (08)
- b) "Memory is a mental power which consists in learning, retaining and remembering what has previously been learnt." Briefly explain this statement with element of memory. (08)
- c) Briefly describe the relationship between creativity and intelligence. (08)

3)

- a) What is intelligence quotient? Explain the Spearman's two-factor theory of intelligence. (08)
- b) State the meaning of transfer of learning and the role of the teacher in transfer of learning. (08)
- c) What is motivation? Explain the different techniques of motivation in classroom. (08)

4)

Briefly describe and implication of following theories in your classroom teaching process.

- a) Skinner's theory of reinforcement and its implication to junior secondary classroom. (12)
- b) Gestalt theory of insight and problems solving in the senior secondary classroom. (12)

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