

THE OPEN UNIVERSITY OF SRI LANKA
 FACULTY OF EDUCATION
 DEPARTMENT OF SECONDARY AND TERTIARY EDUCATION
 POSTGRADUATE DIPLOMA IN EDUCATION PROGRAMME
 FINAL EXAMINATION 2018/2019
 STP8504/ESP2204 – EDUCATIONAL TECHNOLOGY
 DURATION – THREE (03) HOURS



Date: 26th January 2020

Time: 9.30 a.m. – 12.30 p.m.

This question paper consists of three parts. Students should answer all the questions of the part I and any two questions from Part II (09-12) and any two questions of Part III (13-16) (special method). Student should answer for 12 questions out of 16 questions. You should clearly mention the selected subject for special methods (selected subject for Part III) on top right corner of the front page of the answer script.

PART I

01. Explain the term “Educational Technology” in your words with the support of acceptable definitions.
02. Differentiate between general objectives and specific objectives and mention **four (04)** conditions that should be considered when writing specific objectives.
03. Explain the term “multimedia” and mention **three (03)** factors that a teacher should consider when integrating multimedia in teaching.
04. Briefly explain what is simulation teaching strategy and mention **two (02)** teaching learning situations where you can use simulations in a productive manner.
05. State **five (05)** factors that a teacher should consider when integrating new technology into the teaching-learning process.
06. Briefly explain what is a teaching system and name **three (03)** teaching systems that are being used in schools.
07. Provide **two (02)** examples for concrete experiences and **two (02)** examples for abstract experiences as depicted in the “Date’s Cone of Experiences”
08. The S.P.A.C.E. model is useful to create optimal learning conditions. Mention **five (05)** conditions for optimal learning included in the above model.

(Total marks for the Part I = 8 x 5 = 40 marks)

PART II

Answer any two (02) questions of Part II

09. **The teachers' role has changed from a transmitter of knowledge to a facilitator of learning.**

i. State **four (04)** characteristics of the teacher's role as a "Transmitter of knowledge" and explain how the above characteristics will change, when the teachers' role changes to a 'facilitator of learning'.

(04 marks)

ii. State **five (05)** beliefs that a teacher should build up on students' learning when adopting a child-centered approach.

(05 marks)

iii. Analyze the importance of those beliefs, providing suitable examples.

(06 marks)

(Total 15 marks)

10. **Information and Communication Technology (ICT) is playing a major role in the field of education of the modern world.**

i. State **four (04)** features of the Internet which are useful to make teaching-learning process more productive.

(04 marks)

ii. Mention **three (03)** safety measures that should be taken when using the Internet with students.

(03 marks)

iii. Explain **four (04)** hindering factors with examples that you have to face when integrating new technology into the teaching-learning process and provide appropriate solutions to minimize those.

(08 marks)

(Total 15 marks)

11. **Teaching-learning aids are very useful for an effective teaching learning process.**

i. Briefly explain the important points that you should consider when selecting (at least four (04) points) and preparing (at least four (04) point) teaching-learning aids.

(04 marks)

ii. State five (05) teaching-learning aids (other than text book) and indicate a unique advantage of each of them.

(05 marks)

iii. Explain with three (03) examples how the text book can be productively used as a teaching-learning aid in the class room teaching-learning process.

(06 marks)

(Total 15 marks)

12. **Briefly explain any three (03) of the following.**

i. Significance of the Field Trips as a technique of teaching.

ii. Challenges faced by teachers when implementing a student-centered approach in the classroom teaching-learning process.

iii. Introduction of ICT based ‘Smart Classrooms’ into the Sri Lankan school system.

iv. Importance of the Bloom’s taxonomy in the teaching-learning process.

(Five (05) marks for each topic = $5 \times 3 = 15$ marks)

(Total 15 marks)

PART III

(Answer any two (02) questions of part III, in relation to the subject you have selected. Please indicate the selected subject).

13. **The teacher's prior preparation is very important to build up a successful lesson.**

- i. State **six (06)** advantages of prior preparation of the teacher.
(03 marks)
- ii. Mention **six (06)** factors that should be taken into consideration by a teacher when planning a lesson, and explain **three (03)** of them with relevant examples from the subject you teach.
(06 marks)
- iii. Describe possible challenges you may expect in relation to the **three (03)** examples mentioned above and explain how to minimize those challenges.
(06 marks)

(Total 15 marks)

14. **Designing appropriate learning experiences for your students is very important.**

- i. Select a lesson from the subject you teach, and write appropriate behavioural objectives for the selected lesson (mention the subject, grade and lesson topic).
(04 marks)
- ii. Describe an appropriate learning experiences designed, in order to achieve the above objectives. (Align the learning activities with each of the objectives)
(05 marks)
- iii. Mention suitable reinforcement questions and final evaluation to assess the achievement of the above mentioned objectives.
(06 marks)

(Total 15 marks)

15. **Problem solving is an effective student-centered teaching method.**
- i. Briefly explain what is meant by “Problem Solving Method”. (03 marks)
 - ii. Explain the “Inductive method” and “deductive method” using relevant examples from the subject you teach. (04 marks)
 - iii. State an objective which can be achieved by using the problem solving method (mention the grade and name of the lesson). Explain with relevant examples from the subject you teach, how you can use the problem solving method in a productive manner to achieve the specific objective stated. (08 marks)
- (Total 15 marks)
16. **Activity-based learning is very useful to promote student-centered learning under a competency-based curriculum.**
- i. What is meant by a “competency-based curriculum”. (03 marks)
 - ii. Explain **four (04)** basic features of a competency based curriculum giving appropriate examples relevant to the subject you teach. (08 marks)
 - iii. Explain with at least **two (02)** relevant examples from the subject you teach, how to develop interpersonal skills among students when implementing student-centered learning. (04 marks)
- (Total 15 marks)

-Copyrights reserved-