

THE OPEN UNIVERSITY OF SRI LANKA

POST GRADUATE DIPLOMA IN EDUCATION

FINAL EXAMINATION - 2006/2007 - FIRST SEMESTER

ESP 1204 – EDUCATIONAL TECHNOLOGY



DURATION : THREE (03) HOURS

DATE : 18.03.2007

TIME: 1.30 p.m. – 4.30 p.m.

INSTRUCTIONS

This question paper consists of two parts. Students should answer three (3) questions including question one(01) from Part I and two (2) questions only from Part II. In selecting questions from Part II, it is more preferable if you select both questions from the same subject. Only 05 questions should be answered.

Once you have completed answering papers please follow the procedure given below.

On the 1st page of the Part II answer paper: Please write clearly the name of the special subject selected by you in the space provided. Then tie up the Part II and Part I answer papers together, placing the Part II answer paper on top of Part I paper.

PART I

01.
 - i. Explain briefly what is 'Dale's corn of experiences'.
 - ii. Give a brief definition for the term 'Educational Technology'.
 - iii. Explain three (03) technics which could be used to make learning a more effective and memorable experience.
 - iv. List five (05) main characteristics that should be included in a learning aid.
 - v. State three (03) main features of a behavioural objective written in student centred form.
 - vi. Give five advantages of the problem solving method.
 - vii. List four benefits that could be aquared when using group teaching system.
 - viii. Explain citing examples what distinctive functions are to be considered by the teacher as a facilitator in teaching a lesson.

02.
 - i. Discuss briefly three problems that may arise when using lecture method in classroom teaching .
 - ii. Explain your suggestions to overcome each of the above problems.

03.
 - i. What do you mean by “teaching systems”?
 - ii. Discuss three problems associated with multigrade teaching system.
 - iii. Explain citing examples three factors to be considered in order to get maximum benefit from team teaching.

04.
 - i. Explain five important factors to be considered when planning a lesson.
 - ii. Explain citing examples, the advantages gained by a teacher by planning a lesson.
 - iii. Discuss briefly the role of the teacher in creating a successful teaching learning situation in the classroom.

05. Write short notes on any three of the following topics.
 - i. Bloom’s analysis on cognitive domain.
 - ii. Field trips.
 - iii. Factors that are to be considered when selecting a suitable teaching method.
 - iv. Advantages and disadvantages of project method.

PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 02 – English

Answer any two questions only.

06. In the Audio Lingual Method, grammatical items are taught using repetitive drills and the use of vocabulary is strictly limited. To what extent would you consider this to be a successful method in teaching English as a second language in the Sri Lankan classroom? Discuss.
07. a) What type of problems would you encounter in trying out a speech activity in the class? Describe the type of speech activity and the problems relating to that particular activity.
- b) What do you think are the characteristics of a successful speech activity? Why?
08. a) Why is it necessary to plan a lesson?
- b) List the essential components of a good lesson plan?
- c) Write a lesson plan to teach a dialogue to students in Grade 06.
09. Write short notes on
Pre tests & Post tests.
Teaching aids (discuss the advantages/disadvantages of 3 types of aids)
Diagnostic tests.

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PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 04 – Social Studies

Instructions

You can either select Social Studies (as an integrated subject) or Geography, History or Civics as separate subject to answer the questions.

06. 'Social Studies has undergone several changes in the way it has been structured since 1972 to date'.-
- i. Briefly explain the underlying reasons for the changes that were brought about since 1972.
(05 marks)
 - ii. Critically comment on "teaching social studies as an integrated subject" and teaching as separate subjects" Highlight examples where ever necessary.
(10 marks)
(Total = 15 marks)
07. i. Select any lesson in Social Studies /Geography/Civics or History from a grade of your own choice in the secondary school level.
- ii. Select the most suitable method/methods to teach the lesson you have selected and justify your selection.
(05 marks)
 - iii. Explain in detail how you will teach this lesson using the method/methods you have selected.
(10 marks)
(Total 15 marks)
08. i. Examine the importance of using visual aids when teaching Social Studies/ Geography/History/Civics.
(05 marks)
- ii. Select a lesson unit from any grade of the Social Studies/Geography /History/Civics syllabus.
 - iii. Name three (03) visual aids which could be used when teaching the lesson unit you have selected for the above.
(03 marks)
 - iv. Illustrate how you would use them to achieve the objectives of the lesson by giving specific examples.
(7 marks)
(Total=15 marks)
09. Write short notes on (02) of the following topics.
- i. Aims of teaching Social Studies/ Geography/History/Civics at secondary school level.
 - ii. Use of role play in teaching Social Studies/Geography/History/Civics.
 - iii. Enhancing effectiveness of the teaching-learning process in Social Studies/Geography/History/Civics through integrating co-curricular activities.
(7 ½ x 2 =15 marks)

PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 05 – Buddhism

06. i. Write 5 objectives expected to be achieved by students in learning subject Buddhism in secondary level grades.
- ii. Discuss the factors to be considered when teaching Buddhism to adolescent students.
07. Describe citing examples five qualities a teacher who teaches Buddhism should possess.
08. Explain how the following methods could be used in teaching Buddhism.
1. Group Discussion
 2. Role Play
 3. Debate
09. Name a class and write a lesson plan for a 40 minutes period according to the structure given below.
- a. Basic information
 - b. Objectives
 - c. Subject content
 - d. Teacher activities
 - e. Student activities
 - d. Evaluation and Reflection.

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PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 06 – Mathematics

06. Some of the mathematics lessons could be best taught by 'discovery method',
- i. Explain what is 'discovery method'
 - ii. Describe how would you teach a mathematics topic selected from the secondary school level curriculum, using this method, in a 40 minutes period.
 - iii. Discuss the advantages and disadvantages of using discovery method in teaching mathematics.
07. Write short notes on any three of the following.
- (i) Contribution of Hindus for the development of mathematics.
 - (ii) Objectives of teaching mathematics at primary school level.
 - (iii) Primary and secondary concepts in mathematics.
 - (iv) Contributions of Sir Isac Newton for the development of mathematics in 17th century.
08. Discuss the findings of Piaget on teaching mathematics according to the development stages of children.
- 09.
- i. What do you mean by 'student centred teaching methods'?
 - ii. Think of a mathematics lesson, you taught recently using a student centred teaching method.
 - a) State the grade you taught and the topic selected.
 - b) Write the objectives of this lesson in student centred behavioural form and indicate the domain of each objective within brackets.
 - iii. Briefly describe the teaching method you adopted.
 - iv. What was the assessment instrument used at the end of the lesson to check whether all the objectives were achieved.

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PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 07 –Science

06. Comment on the following statement providing suitable examples.
'When teaching Science the teacher becomes a person who plays different roles'.
07. Write short notes on any three of the following.
- i. The importance of 'questioning' in teaching science
 - ii. How field trips can be used to facilitate learning science.
 - iii. Science education as a learner-centred process.
 - iv. Catering to individual differences among students when teaching science.
08. i. State a broad aim of teaching science to school children.
- ii. Explain how you can segregate the broad aim you stated above to specific objectives, which can be taught during a science lesson of 40 minutes.
- iii. Prepare an evaluation sheet which can be used at the end of the lesson to evaluate whether the specific objectives you stated above were achieved or not.
09. i. Define 'scientific knowledge'. Explain how scientific knowledge differ from ordinary knowledge.
- ii. Discuss the benefits that students can gain by practicing 'scientific method' in the teaching – learning process of science.

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PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 08 – Home Economics

06. i. What are the factors that should be considered in lesson planning? State giving reasons the factors which are especially considered when planning a Home Economics lesson.
- ii. Discuss the most suitable teaching methods that could be employed when teaching Home Economics.
07. Select a topic on food preservation for a secondary school level Home Economics lesson.
- i. Develop a lesson plan.
- ii. Name the Audio Visual aids you intend to use for this lesson giving reasons for your selection.
- iii. Explain the strategies you employ in order to develop it as a student centred lesson.
08. The learning teaching process in the new education reforms is based as competencies and activities. Given below is an activity plan for a given competency level.
- Competency level –contribute to a pleasant living environment.
Activity – Let us strengthen family relationships and step in to a pleasant living environment.
Develop a brief sketch of a learning teaching plan for the above activity using 5E concept.
09. Write short on following statements.
- i. Home Economics develop manipulative skills in students.
- ii. “Through the development of healthy attitudes and values Home Economics contributes to the development of the society and the individual”

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PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 09 – Primary Education

06. i. State five basic essential needs of the teaching learning process in the primary school curriculum introduced by the new educational reforms .
- ii. Select any four of the basic needs you have mentioned above and explain how they provide a strong foundation for the child who enters the secondary school.
07. i. Describe in brief the nature of children who enter the primary school.
- ii. Explain the strategies used by Grade 1 teacher to identify strengths and weaknesses of these children.
- iii. Describe why it is important for a teacher to identify individual differences of children who enter Grade 1.
08. i. State the essential competencies introduced by the New Educational Reforms.
- ii. Explain the role of the teacher when developing each of these competencies.
09. i. Define the term 'Assessment'
- i. Explain how you can use the information gathered through assessments to help the child in learning.

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PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 10 – Commerce

06. When teaching Accounting and Business Studies for grade 11, chose a lesson that can be taught through a group activity.
- a) Mention the competencies expected to be achieved at the end of the group activity.
 - b) In addition to the above, what other objectives are you hoping to achieve through the involvement of students in group activities?
 - c) To make the students, successfully involved in the group activity, write an activity schedule in relation to the above lesson.
07. “The role of a present day teacher is considered as a creator of a pleasant environment that directs for efficient learning as well as a manager directing such environment”
- a) Mention four communication tools that can be used by a teacher in Commerce to achieve the above role.
 - b) What are the problems encountered by a teacher in Commerce in the class-room?
 - c) Give five skills that should be possessed by a Commerce teacher for successful teaching at classroom level.
08. a) Express your ideas about the taught that should be given to a Sri Lankan child by teaching the subject of entrepreneurial studies.
- b) “By studying Commerce subjects a student is able to avoid instances in he encounter life that makes him misbehaviour”. Name five such misbehavioral acts.
 - c) Choose one out of a Customer/Businessman/Officer in order to instill healthy attitudes in a student. Write five objectives of teaching in relation to the role of the person you have selected.
09. “A teacher in Commerce can successfully use assignments to impart knowledge in relation to new subjects”
- a) Mention five types of assignments that can be used for the above.
 - b) Discuss the benefits of using assignments in teaching the subject of Commerce.
 - c) Describe about your preparations and procedure if you expect to teach a subject from Commerce stream through a case study.

PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 11 – Christianity

06. Select one out of the following grades in which you teach Catholicism/Christianity; 6, 7,8,9,10 G.C.E. (AL). Indicate the grade and the lesson you selected.

Either

- A) Prepare a lesson plan for a 40 minutes lesson giving special consideration to the following;
- i. Objectives of the lesson
 - ii. Students-Teacher activists
 - iii. Teaching aids
 - iv. Method of evaluation

OR

- B) Explain different activities and steps of the lesson according to 5E model.

07. Write short notes on any three (3) of the following.
- i. "Teaching religion makes perfect person"
 - ii. "Philosophy is the foundation of all the religions"
 - iii. "It is highly recommended to teach the content of all religions to the students"
 - iv. Teaching religion to children of 'Mid-Childhood' stage.
08. i. Make a mind-map or a concept map using the books of the New Testament.
ii. Discuss the characteristics of the Yahwistic Tradition.
iii. Explain in brief "The author of the Bible".
09. Explain how you could make use of
- i. The creation of God and
 - ii. Different people
- To teach religion to the students of primary grades.

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PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 13 – Islam

06. i. State three teaching methods that could be used in secondary classes when teaching Islam and explain citing appropriate examples how you would use these methods.
- ii. Explain how would you use co-curricular activities to promote Islamic religious consciousness among students.
07. i. Select a unit from the Islam syllabus of any grade of your choice and write five behavioural objectives to teach the selected unit.
- ii. Construct five (05) multiple choice questions and two (02) structured type questions to assess the achievement of the behavioural objectives.
08. Discuss how a teacher can use
a) television b) computer c) text books
to enhance the effectiveness of the teaching – learning process in Islam.
09. Write short notes on any three of the following themes.
- i. It is not possible to learn Islam by confining it to the classroom
- ii. General objectives of teaching Islam in junior secondary grades in Sri Lanka.
- iii. A teacher who teaches Islam today has multi-faceted roles to play.
- iv. Using problem solving method in teaching Islam.
- v. Importance of using teaching aids in teaching Islam.

PART II

EDUCATIONAL TECHNOLOGY

ESP 1204 – Subject 14 – Aesthetic Education

06. i. Prepare a complete lesson plan to teach a practical lesson of a selected grade in relation to the Aesthetic subject you teach.
- ii. State two procedures that could be followed to find out whether the objectives of the lesson are achieved.
07. Show the contribution of the Aesthetic subjects in respect to the development of the affective domain of a student.
08. “The Aesthetic teacher has several specific advantages in using learning aids compared to other teachers” Do you agree? Discuss.
09. Write short notes on any two topics of the following in respect of the Aesthetic subject you teach.
- i. Two special methods of teaching Dancing/Music/Art
- ii. Two problems faced by the student in following a practical lesson.
- iii. Two problems faced by the teacher in teaching a theoretical lesson.
- iv. Two methods of evaluating a lesson.

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