

THE OPEN UNIVERSITY OF TANZANIA
FACULTY OF EDUCATION
OED 220: BIOLOGY METHODS
ASSIGNMENT ONE – 2008/09

Submission Date: 15/12/2008

INSTRUCTIONS:

- Attempt ONE question only.
 - Write your registered name, registration no., full address and your cellular phone no.
 - To be submitted by.....
1. Describe the various ways you can use to manage the learning environments that will provide your students with time, space and resources for learning biology.
 2. Think of a biology topic that can be taught effectively by having a field trip. Then explain clearly how you will plan, organise and evaluate your trip.
 3. Make an analysis of the 1996 Tanzania Advanced Level (Form V-VI) biology syllabus.

END

THE OPEN UNIVERSITY OF TANZANIA
FACULTY OF EDUCATION
OED 220: BIOLOGY METHODS
ASSIGNMENT TWO – 2008/09

Submission Date: 30/03/2008

INSTRUCTIONS:

- Attempt ONE question only.
 - Write your registered name, registration no., full address and your cellular phone no.
 - To be submitted by.....
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1. Describe how you can use your school local environment to teach the topic on 'Plant and Animal Nutrition.'
 2. Using examples, discuss the significance of testing your biology students on both topic content and process skills.
 3. Prepare a lesson plan for a biology topic of your choice. Then construct five key classroom questions for the lesson.

END

THE OPEN UNIVERSITY OF TANZANIA
FACULTY OF EDUCATION

OED 203: MATHEMATICS TEACHING METHODS

ASSIGNMENT I- 2008/09

Submission Date: 15/12/2008

Instructions:

- Attempt any ONE question
 - Write your Name and Registration number clearly
 - Write in readable, precise and in a scholarly manner
 - This assignment should be submitted on 15th December, 2008
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1. Mathematics education faces many challenges. It is well known that most of the learners perform poorly in mathematics. One might think that the poor performance is likely to be caused by the missing link between learning, teaching and technology. With examples explain how such link is likely to improve performance in mathematics with reference to the current mathematics curriculum.
2. Mathematics learning outcomes are strongly related to the beliefs and attitudes about Mathematics teaching and learning. Discuss
3. The goal of helping learners to learn how to apply is important than how the learning had been attained. Explain how to achieve this goal in the teaching of Algebra. In supporting your answer prepare a lesson plan of 40 minutes on algebra and write two questions that you are likely to give students as an assignment.

THE OPEN UNIVERSITY OF TANZANIA

FACULTY OF EDUCATION

OED 203: MATHEMATICS TEACHING METHODS

ASSIGNMENT II 2008/09

Submission Date: 30/03/2008

Instructions:

- Attempt any ONE question
 - Write your Name and Registration number clearly
 - Write in readable, precise and in a scholarly manner
 - This assignment should be submitted on 30th March, 2009
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1. Effective mathematics instruction has been noted to be one of the main factor affecting learners in Mathematics. With examples, list and explain three other factors that affect learning of mathematics in both primary and secondary education levels. Suggest remedies.
2. Explain how you will introduce the topic on integral calculus to your students and show how you could lead learners to (a) use the midpoint rule with $n=5$ in approximating the value of $\int_0^1 x^2 dx$ as an example in evaluating the finite integrals, (b) use integration by parts in solving (i) $\int xe^x dx$ and (ii) $\int \ln x dx$

THE OPEN UNIVERSITY OF TANZANIA
FACULTY OF EDUCATION

OED 219/ 525: CHEMISTRY TEACHING METHODS

ASSIGNMENT I - 2008/09

Submission Date: 15/12/2008

Instructions:

- Attempt any **ONE** question
 - Write your Name and Registration number clearly
 - Write in readable, precise and in a scholarly manner
 - This assignment should be submitted on 15th December, 2008
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1. Chemistry can be taught for either meaningful learning or rote learning. Both the rote learning and meaningful learning teacher can give activities that fall either under reception, guided discovery, and autonomous discovery instructions. As a chemistry teacher, with examples of activities you provide to learners, explain how you engage students for both rote learning and meaningful learning.
2. List and explain the rules that one has to follow when measuring mass of objects in the chemistry Laboratory.
3. Chemistry teachers are likely to prepare solutions for practical using:
 - a. Percentage by weight
 - b. Percentage by volume
 - c. Molar solutionsIn each case explain using one example how a chemistry teacher is likely to prepare the solution for practical lessons. Of the three proposed methods of preparing solutions in the Chemistry laboratory choose the most useful method and give supporting explanation on your choice.

THE OPEN UNIVERSITY OF TANZANIA

FACULTY OF EDUCATION

OED 219-525: CHEMISTRY TEACHING METHODS

ASSIGNMENT II 2008/09

Submission Date: 30/03/2009

Instructions:

- Attempt any **ONE** question
 - Write your Name and Registration number clearly
 - Write in readable, precise and in a scholarly manner
 - This assignment should be submitted on 30th March, 2009
-

1. Chemical solutions for laboratory use can either be made from solid materials, from liquids or from other solutions. Using one example in each explain the procedure for
 - a. Preparing laboratory reagents from solids
 - b. Preparing laboratory reagents from liquids or other solutionsList three skills that teachers should possess in order to effectively prepare solutions for laboratory purposes.
2. Teaching and learning on extraction of metals
 - a. With one example explain how you will lead students to name and explain the factors to be considered when choosing a method of extraction
 - b. Taking extraction of iron as example, explain how you could guide learners on environmental problems caused by extraction of metals (give 5 problems)
3. Electroplating is one of the subtopics taught in chemistry
 - a. Explain the importance of teaching the subtopic
 - b. Using CuSO_4 as an example, explain how you would prepare an experiment for learners to grasp the concept electroplating
 - c. Write short notes that you are likely to use when teaching electroplating to secondary school students.

THE UNIVERSITY OF TANZANIA

FACULTY OF EDUCATION

OED 202 /506: EDUCATION MEDIA AND TECHNOLOGY

ASSIGNMENT TWO- 2009

Submission Date: 30/03/2009

Instructions

- Attempt two questions only
- Your handwriting should be legible
- The information provided should be cited from relevant authorities.

.....

Q.1. Primary Education Development Programme activities will be promoted as a result of availability of the educational resources at Teachers Resource Centers in Tanzania. Discuss this statement critically.

Q. 2. Equity and equality in education are critical challenges in any country. How is educational technology likely to address this challenge?

Q.3.Distance education is one of the best measures to promote human capital. With practical illustrations discuss the statement.

*****END*****

THE UNIVERSITY OF TANZANIA

FACULTY OF EDUCATION

OED 202 /506: EDUCATION MEDIA AND TECHNOLOGY

ASSIGNMENT ONE- 2009

Submission Date: 15/12/2008

Instructions

- Attempt two questions only
 - Your handwriting should be legible
 - The information provided should be cited from relevant authorities.
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Q.1 Please write brief notes on the following concepts/statements

- i) Channel
- ii) Communication
- iii) Inductive method
- iv) Incentives
- v) Semeotics
- vi) System

Q. 2. Effective delivery of desired information in a class setting, calls for effective communication. Discuss

Q. 3. With illustrations explain the applicability of Cognitive theories in a classroom situation

*****END*****

THE OPEN UNIVERSITY OF TANZANIA

FACULTY OF EDUCATION

OED 622: STAFF DEVELOPMENT IN DISTANCE EDUCATION

TERM PAPER, 2008/2009

DATE OF SUBMISSION: 31/12/2008

INSTRUCTION

- (1) Choose and respond to only one question
 - (2) Write legibly
 - (3) Reproduction of information from different authors should be supported by your own experiences and opinions about the issues that you present. Criticality is encouraged in this course hence “wh” questions should guide your discussion.
 - (4) Since you have plenty of time to work on this assignment there is no reason why you should not present a high quality response to the question.
 - (5) Answer **only one** question. For which ever question you choose do not
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- (1) Conduct a mini research and write a report about any issue regarding staff development in any distance education institution of your choice.
- (2) Identify any distance education book or journal paper that has information about staff development in distance education. Write a book review or journal paper review of the book/journal paper that you have identified. **NOTE: strictly do not use the staff development manuals that you are given by the Open University of Tanzania to use while studying this course.**
- (3) Write a history of distance education of your country (region or district). As you develop the history, ensure you include issues about staff development. You have to consult and utilize relevant texts (oral and written).

*****END*****