



**BOTSWANA COLLEGE OF DISTANCE AND OPEN LEARNING**

**BACHELOR OF EDUCATION - IECD**

**TEACHING SCIENCE AND SOCIAL SCIENCES TO YOUNG  
CHILDREN**

**TS211**

**Test**

**MARKS: 100**

**DURATION :2 Hours**

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**Instructions to students:**

1. The Assignment consist of **Three Sections:** A B and C
2. Begin each answer to a new question on a new page
3. Answer all the questions according to instructions given in each section
4. Write in grammatical English

**SECTION A****STRUCTURED QUESTIONS (40 MARKS)****INSTRUCTION: Answer all questions in this section.**

1. Define the term scientific enquiry based approach. (3 marks)
2. How are learners likely to sort a variety of animal pictures during the activity of sorting and classifying? List any **three**. (6 marks)
3. As a professional teacher what are two things one should consider when planning science activities? (4 marks)
4. What are three advantages of using storytelling and reading in the teaching of science? (6 marks)
5. State 3 health and safety measures to consider when teaching science to young learners. (6 marks)
6. Which skill is the first and most important scientific skill as highlighted by theorists such Piaget and Pestalozzi and at what stage does it begin? (3 marks)
7. What are the three advantages of using games and in the teaching of science to young children? (6 marks)
8. Teachers who understand subject matter and know how children learn teach through different approaches. Name any four of them. (8 marks)

**SECTION B****CASE STUDY**

**INSTRUCTION:** Answer only **one** (1) case study from this section.

**Case study 1**

(20 marks)

Mrs Mulenga (teacher) brought in binocular microscopes to class so that children could look at the animals they had found at the pond. Mrs Mulenga worked with students and showed great patience in allowing them to use the equipment, offering gentle and careful guidance when necessary. She gave the children tips on how to collect the animals and treat them with respect.

1. List any four (4) characteristics that can be observed during the activity. (4 marks)
2. How should a practitioner interact with children during this activity? Mention any two. (4 marks)
3. How do activities help children to develop their linguistic skills as well as their enquiry skills? (6 marks)
4. Explain any three (3) behaviours that children can show during this activity. (6 marks)

**Case study 2**

(20 marks)

Set up an activity to provide an opportunity for children to explore what happens when they use binocular microscopes to look at the animals they had found at the pond.

1. State any two ways of how the practitioner would interact with children during the activity? (4 marks)
2. How would you begin to move the activity further to develop understanding a phenomenon? (2 marks)
3. Mention any 4 activities to help children to develop their linguistic skills as well as their enquiry skills.(8 marks)
4. Give three scientific themes that can be obtained during the activity. (6 marks)

**SECTION C****CHOICE ESSAYS****(40 marks)****INSTRUCTION:** Answer any **two** (2) questions from this section.**Question 1****(20 marks)**

Explain the importance of professional development of teachers.

**Question 2**

Project approach is a strategy that can be used to develop interests of young children in learning science. Explain how the method would enhance scientific skills in class and what would be the role of the teacher during the process / activity. (20 marks)

**Question 3**

Explain why teachers need to be professionally developed (20 marks)

**Introduction:** (2 Marks)**Development:** (16 Marks)**Conclusion:** (2 Marks)