

UNIVERSITY OF FORT HARE

**Perceptual-motor Training for
Children
HUS 315**

SPECIAL EXAMINATIONS

JANUARY

2019

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Time: 3 hours
Subject: HUS 315
Marks: 100

This paper consists of 4 pages including the cover page

Internal Examiner

**Prof. M. van Gent
Mr. S Mandiringana**

External Examiner

Mr. K de Wet (TUT)

INSTRUCTIONS

Answer all the questions.

Question 1**15 marks**

All movements that the human body can produce begin to develop before birth; this is made possible through the different modalities of the senses therefore sensory development becomes an important part of human development. With this in mind answer the following questions:

1. What are the developmental changes that occur in terms of sensation through the following sensory systems?
 - a. Visual system 5
 - b. Auditory system 5
 - c. Kinaesthetic system 5

Question 2**20 marks**

In life, almost every motor act can be considered a perceptual-motor skill. This perception is an interpretation of the information obtained from the environment and the individual's position within it. It thus becomes important that the senses are developed accordingly to facilitate this gathering of information. With this in mind, answer the following questions:

1. How does sensation translate to perception in the following modalities:
 - a. Visual system 5
 - b. Auditory system 5
 - c. Kinaesthetic system 5
2. What are affordances and how do we perceive them? 5

Question 3**15 marks**

Children with a high level of competence in a range of Fundamental movement skills (FMS) are able to confidently participate in a wide variety of activities. They also benefit from many physical, social and emotional health outcomes in both the short and long term. With this in mind, please answer the following questions:

1. What is motor development? In your response include how it is related to perceptual development 4
2. Describe the different skill sets that make up the locomotor component of fundamental movement skills 6
3. Explain why the stages of development are important when mapping FMS, use the overarm throw as an example. 5

Question 4

15 marks

Please refer to Appendix A and answer the following questions:

1. Which age group is this physical activity plan designed for? 3
2. What safety precautions should be taken before the session starts? 5
3. Add an activity that will help improve balance 2
4. What do you think were the objectives of this session? 3
5. What FMS development is this physical activity plan focusing on? 2

Question 5

20 marks

Please refer to Appendix B and answer the following questions:

1. Why is it important that we make use of the TGMD-2 test? 3
2. Calculate the correct test age for Zizipho 3
3. What do the following criteria tell us about what they measure? 5x2 = 10
 - a. Raw scores
 - b. Percentiles
 - c. Subset standard scores
 - d. Gross motor quotient
 - e. Age equivalent
4. Could Zizipho be affected by a Mild Motor Disorder? Motive your response. 4

Question 5

15 marks

1. The Movement Assessment Battery for Children or the ABC test is one of the most popular instrument in the assessment of children with movement and coordination problems. With this in mind please answer the following questions?
- a. Who developed the test and when? **3**
 - b. Under what conditions can the test be performed? **2**
 - c. What is the test protocol? **4**
 - d. How are the results interpreted? **6**

END