



UNIVERSITY OF JOHANNESBURG
FACULTY OF EDUCATION
NOVEMBER EXAMINATION 2014
EXAMINATION

PROGRAMME: EDUCATION
MODULE: EDUCATION STUDIES 1B (Foundation Phase)
 EDUCATION 1B FP (Pipeline students)
CODE: EDS1B20 & EDU1B20
TIME: 120 MIN
MARKS: 100
EXAMINERS: MRS LARA ARAGPOT
MODERATOR: MRS A VAN DER BERGH
 (This paper consists of 4 pages)

INSTRUCTIONS:

1. Answer all the questions.
2. Read the instructions at the beginning of each question carefully before you attempt to answer it.
3. Where the questions entails examples of your own, you can utilize examples which were put forward in class, as well as your own examples from your teaching experience.
4. Question 4 of the paper must be answered on the multiple choice answer sheet provided in the back of the examination answer book.
5. Enjoy the paper!

QUESTION 1

The nervous system

- 1.1 Give a schematic representation of the nervous system where you shortly show the way in which the nervous system is divided into different parts – you are allowed to use the same schematic representation which you were given in the lecture slide.

(9)

- 1.2 Neurons are the basic building blocks block of the nervous system. Each Neuron has three main parts – name these parts and then explain the function of each of these parts. (9)
(18)

QUESTION 2

Perception and sensation

- 2.1 What is the difference between fine motor and gross motor abilities? (5)
- 2.2 Carefully explain how you will assess a Grade R learner's Gross motor abilities – you can list the different gross motor control functions you would assess and also how you would go about assessing them. (20)
(25)

QUESTION 3

Childhood illnesses/diseases and Internal barriers to learning and development

- 3.1 During the semester you were required to do research on a particular childhood illness or disease. Tell me more about this illness/disease in term of:
(a) The possible causes of this disease
(b) The symptoms of this illness or disease
(c) Possible treatments for this illness or disease. (10)
- 3.2 You are invited to address a group of parents in a very traditional rural village. Many of them still believe that Epilepsy is contagious. Discuss how you would describe epilepsy, its origins and the different types of epilepsy to them? (16)
- 3.3 You are teaching in a very under-resourced primary school. You are the Grade 1 teacher. You have noticed that there is one boy in the class who can never sit still. He struggles to focus and is always fidgeting and losing his things. He often shouts out answers and become irritable when he has to sit still on the carpet. He loves to play outside and seems to have a lot of energy.

What type of difficulty is this child presenting with and how would you as a teacher try to support this learner in the classroom? (13)

- 3.4 What are some classroom interventions you can put in place to support learners with motor dexterity disabilities in the Foundation Phase Classroom? (8)

(47)

QUESTION 4

THIS PART OF THE EXAM PAPER NEEDS TO BE COMPLETED AT THE BACK OF THE EXAMINATION ANSWER SHEET IN THE PROVIDED MULTIPLE CHOICE SECTION.

Match the statements in column A with the possible options in column B. On your answer sheet, write only the correct answer next to the number of the statement.

COLUMN A		COLUMN B
4.1	Adaptation	Congenital
4.2	Unbalanced nutrition	Braille
4.3	A receptor cell in the eye	Synaptic space
4.4	A coiled, snail-shaped tube in the ear	Spinal reflexes
4.5	Motor skills of hand and fingers	Jumping on one foot
4.6	Sense of taste	Tuberculosis
4.7	Two-eared ability to localize sounds	Cancer
4.8	Mental representation or image	Hyperopia
4.9	Middle ear infection	Gustation
4.10	Brain imaging	Malnutrition
4.11	Abnormal tissue growth	Bronchitis
4.12	Simple stimulus-response sequences	Cochlea
4.13	An attentional difficulty	Otitis media
4.14	Low muscle tone	Correct pencil grip

4.15	Sense of smell	Binaural ability
4.16	An infectious bacterial disease	PET Scan
4.17	Farsightedness	Stroboscopic
4.18	Blind learners read this	Perceptual schema
4.19	Factors influencing foetal dev before birth	Dexterity
4.20	A well known neuromodulator	Habituation
		ADD
		Cone
		Hypotonia
		Endorphins
		Olfaction

(20 x ½= 10)

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