



UNIVERSITY OF JOHANNESBURG
FACULTY OF EDUCATION
NOVEMBER SUPPLEMENTARY EXAMINATION 2014

PROGRAMME: EDUCATION
MODULE: EDUCATION STUDIES 1B (Intermediate Phase)
CODE: EDUSTB1
TIME: 120 MIN
MARKS: 100
EXAMINERS: DR LARA RAGPOT
MODERATOR: MRS I REYNEKE

(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 form your teaching experience.
4. Question 1 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

PLEASE DO THIS PART OF THE EXAM PAPER 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
1.1 Illusory movement	Congenital
1.2 Farsightedness	Braille
1.3 Brain imaging	Synaptic space
1.4 A coiled, snail-shaped tube in the ear	Spinal reflexes
1.5 Motor skills of hand and fingers	Jumping on one foot
1.6 Sense of taste	Tuberculosis
1.7 An attentional difficulty	Cancer
1.8 Mental representation or image	Hyperopia
1.9 Middle ear infection	Gustation
1.10 A receptor cell in the eye	Malnutrition
1.11 Abnormal tissue growth	Bronchitis
1.12 Simple stimulus-response sequences	Cochlea
1.13 A fine motor skill	Otitis media
1.14 Low muscle tone	Correct pencil grip
1.15 Sense of smell	Binaural ability
1.16 An infectious bacterial disease	PET Scan
1.17 Unbalanced nutrition	Stroboscopic
1.18 Blind learners read this	Perceptual schema
1.19 A respiratory infection	Dexterity
1.20 A well known neuromodulator	Habituation
1.21 A gross motor skill	ADD
1.22 Two-eared ability to localize sounds	Cone
1.23 Factors influencing foetal dev before birth	Hypotonia
1.24 Tiny gap between axon and next neuron	Endorphins
1.25 Adaptation	Olfaction

QUESTION 2**The nervous system**

- 2.1 Give a schematic representation of a neuron where you shortly show the way in which the neuron is divided into three different parts (9)
- 2.2 Traditionally the brain is divided into three main parts. Name each part and shortly discuss the function of each part. (9)
- 2.3 Three types of neurons carry out the nervous system's input, output, and integration functions – name these neurons and shortly discuss each one's function (9)
- (25)**

QUESTION 3**Executive Functions**

- 3.1 Name 10 different executive functions. (10)

QUESTION 4**Childhood illnesses/diseases and Internal barriers to learning and development**

- 4.1 During the semester you were exposed to different childhood illnesses or diseases. Choose one of these diseases and complete the following:
- (a) The possible causes of this disease
 - (b) The symptoms of this illness or disease
 - (c) Possible treatments for this illness or disease. (10)
- 4.2 EPILEPSY - Discuss the different forms of epilepsy and how you may support learners suffering from epilepsy (14)

- 4.3 Explore how one would identify learners with visual impairments in the Intermediate Phase classroom. (10)
- 4.4 Hearing difficulties may interfere greatly with a learner's ability to learn successfully. Please indicate ways in which you will support learners with hearing difficulties in the Intermediate Phase classroom. (6)
- (40)

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