



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE DIPLOMA
IN SPECIAL NEEDS EDUCATION**

CITY CAMPUS

EDSE 0107: HUMAN ANATOMY, PHYSIOLOGY AND PATHOLOGY

Date: 30th November, 2016

Time: 2.00 – 5.00 pm

INSTRUCTIONS:

- Answer question ONE and any other THREE questions.



Question one

(a). Define the following terms:

(i). Posterior.

(ii). Medial.

(iii). Lateral.

(iv). Right.

(v). Deep.

(5 Marks).

(b). Describe the normal anatomical position and its relevance to the special needs education.

(10 Marks).

(c). Explain the functions of the following organs of the reproductive system.

(i). Fallopian Tubes.

(ii). Ovary.

(iii). Uterus.

(iv). Amniotic fluid.

(v). Cervix.

(10 Marks).

Question two

(a). Describe the five functions of bones. **(10 Marks).**

(b). Explain the healing process of a bone fracture. **(5 Marks)**

Question three

Describe a contracture under the following headings:

(i). Definition **(2 Marks).**

(ii). Causes **(4 Marks).**

(iii). Management **(9 Marks).**

Question four

Discuss the Educational/Academic implications of the following Impairments.

(a). Cerebral palsy **(5 Marks).**

(b). Paraplegia.

(5 Marks).

(c). Arthritis

(5 Marks).

Question five

Explain how the following orthopaedic appliances can be used in the management of physical impairments.

(a). Walking frames.

(b). Callipers.

(c). Crutches.

(d). Wheel chair.

(e). Commode.

(15 Marks).

Question six

Describe the **three** stages of labor in growth and development.

(15 Marks).