



ZIMBABWE

MINISTRY OF HIGHER AND TERTIARY EDUCATION

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL DIPLOMA

IN

COSMETOLOGY

SUBJECT: Anatomy and Physiology

PAPER NO:540/S06

2011 SUPPLEMENTARY EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATES

1. Answer ALL questions in section A.
2. Choose three (3) questions from section B.

This paper consists of 3 printed pages.

SECTION A Answer ALL questions

QUESTION 1

Explain the following terms:

- | | | |
|-----|--------------|-----------|
| (a) | Reflex | (2 marks) |
| (b) | Mitosis | (2 marks) |
| (c) | Anatomy | (2 marks) |
| (d) | Erythrocytes | (2 marks) |
| (e) | Thrombosis | (2 marks) |

QUESTION 2

- | | | |
|-------|---|-----------|
| (a) | Briefly describe the following types of nerves: | |
| (i) | Peripheral nervous system. | (3 marks) |
| (ii) | Central nervous system | (3 marks) |
| (iii) | Autonomic nervous system | (3 marks) |
| (b) | State another name for nervous system. | (1 mark) |

QUESTION 3

Outline five (5) muscles of the trunk. (5 marks)

QUESTION 4

Briefly explain five (5) types of fracture. (10 marks)

QUESTION 5

State five (5) components of the blood content. (5 marks)

SECTION B Choose three (3) questions only.

QUESTION 6

- | | | |
|-----|--|------------|
| (a) | Draw the structure of a nail and label it clearly. | (10 marks) |
| (b) | Elaborate two (2) diseases and three (3) disorders of the nail | (10 marks) |

QUESTION 7

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|-----|---|------------|
| (a) | Evaluate the function of six (6) types of the endocrine glands. | (18 marks) |
| (b) | Define a hormone. | (2 marks) |

QUESTION 8

Critically analyse the function of the skin. (20 marks)

QUESTION 9

Describe four (4) parts of the respiratory system. Use diagrams to support your answer. (20 marks)

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