GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination

| JUNE 2025 | ORDINARY LEVEI | ۲. |
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| Subject Title | Human Biology | |
| Paper No. | 2 Inov lenigs of the support set that the | 7 |
| Subject Code No. | 0565 to say nearly emper bull sine is to consupar of selection. | - (|

Duration: Two and a Half Hours

You are required to answer FIVE questions choosing THREE from Section A and TWO from section B. All the questions carry equal marks and marks allocated to parts of questions are indicated.

Extra questions answered from each section shall NOT be marked.

You are reminded of the necessity for good English and orderly presentation in your answers.

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|--|------------|
| | |
| OR Describe the general plan of the forman blood enculation. Explain from a nonlecule offulneous obserbed to the fleum will be dunspunted to the team — (a marks) In tabeliar form state SIX dV brences between value and arreries. Charles by Marke 10 Mark | |
| Sonw a rasge and nearly tabelled diagram of a longibuluari section through for tennslo reproductive system. Of Despite the strucking of the longitudinal section theoryti the female regarded telegrams. | (a) .: |
| Explain nows (i) Sex is determined in humans (ii) The birth process occurs. (iii) The birth process occurs. | isjor |
| 00/0565/2 ©2025GCEB | _Turn over |

SECTION A

Answer THREE questions from this section

| 1. | (a) (b) | What is a skeleton? Give FIVE functions of the human skeleton. | (2 marks) (5 marks) | |
|--------|------------|--|-------------------------------|--|
| | (c) | Describe how movement occurs at the elbow joint. | (13 marks) tal = 20 Marks) | |
| 27.100 | | | tal = 20 Marks) | |
| 2. | (a) | Draw a large and neatly labelled diagram of a cross section of the spinal cord showing the co | | |
| | | reflex arc. | (7 marks) | |
| | (b) | OR Describe the structure of the spinal cord. | h a maadla | |
| | (0) | Describe the sequence of events that occurs when you mistakenly prick your finger with a n | (11 marks) | |
| | (c) | How is a reflex action different from learning? | (2 marks) | |
| , | | | tal = 20 Marks | |
| | | Warrant Colombia Colo | | |
| 3. | (a) | Define nutrition. | (2 marks) | |
| | (b) | Write short notes on the following classes of food indicating their chemical composition, basic building units, two functions and an example in each case: (i) Carbohydrates | | |
| | | (ii) Proteins | | |
| | | (iii) Lipids. | (5, 5, 4 marks) | |
| | (c) | Name ONE deficiency disease caused by the absence of the following in the diet: | | |
| | | (i) Calcium | | |
| | | (ii) Vitamin A | | |
| | | (iii) Vitamin C (iv) Proteins | Ω | |
| | | 이 네트리아 그들이 어디에게 나를 바꾸게 하다가서 된 그렇게 하고 있다. 아이를 하는 것이 되는 것이 되었다. 그런 그는 | (4 marks) otal = 20 Marks) | |
| -> | | | otai – 20 Marks) | |
| 4. | (a) | Draw a large and neatly labeled diagram of the general plan of human blood circulation. OR Describe the general plan of the human blood circulation. | (8 marks) | |
| | (b) | Explain how a molecule of glucose absorbed in the ileum will be transported to the brain. | (6 marks | |
| | (c) | In tabular form state SIX differences between veins and arteries. | (6 marks | |
| | | (To | otal = 20 Marks | |
| 1 | | | A | |
| 5. | (a) | Draw a large and neatly labelled diagram of a longitudinal section through the female reproductive system. | | |
| | | OR Describe the structure of the longitudinal section through the female reproductive syste | em. (6 marks | |
| | (b) | Explain how: | | |
| | | (i) Sex is determined in humans | (6 mark | |
| | | (ii) The birth process occurs. | (8 mark | |
| | | | otal = 20 Marks | |

SECTION B

Answer TWO questions from this section.

| 6. | (a) | Explain the meaning of the following terms; (i) Infectious disease (ii) Epidemic disease (iii) Incubation period | |
|----|--|--|---------------------------------|
| | (b) (c) | How are contagious diseases spread? Using the following headings describe the disease cholera (i) Causative agent (ii) A mode of transmission | (2, 2, 2 marks) (8 marks) |
| | | (iii) Two symptoms | |
| | | (iv) Two control measures. | (6 marks) |
| | - | | (Total = 20 Marks) |
| 7. | (a) | Give FIVE reasons why it is important for Local Council Authorities to approve the it is constructed. | e plan of a house before |
| | (b) | | (5 marks) |
| | (c) | What are the advantages of natural lighting over artificial lighting in housing? How may a kitchen be kept hygienic to prevent the spread of diseases at home? | (8 marks) (7 marks) |
| | | | (Total = 20 Marks) |
| 8. | (a) | How does the regular intake of large quantities of alcohol affect: (i) Individuals | C.C. |
| | (b) | (ii) The society? | (4, 5 marks) |
| | (c) | How may excessive alcohol consumption be combated? Beside alcohol, name THREE other drugs common among youths and their harmful | (5 marks) l effects on youths. |
| 1. | | | (6 marks) (Total = 20 Marks) |
| 9. | Describe the roles of each of the following institutions in the community: | | |
| Ī | (a) | A hospital | |
| | (b) | An antenatal clinic | (6 marks) |
| | (c) | A reformatory school. | (8 marks) (6 marks) |
| | | 트로 즐겁게 전혀 있었다. [12] 이 보고 보면 있다면 보이 하면 보고 있다는 것이다. [2] [2] [2] [2] [2] [2] [2] [2] [2] [2] | (Total = 20 Marks) |
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