 Province of the

EASTERN CAPE

EDUCATION

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SUBJECT** | LIFE SCIENCES | **GRADE** | 10 | **DATE** | 20/07/2020 |
| **TOPIC** | ANIMAL TISSUES: EPITHELIAL, MUSCLE, NERVE | **TERM 1**  **REVISION** |  | **TERM 2 CONTENT** | ✓ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 1.1 | Areolar✓/ Loose Connective tissue |  |  |
|  | 1.2 | White fibrous cartilage✓ |  |  |
|  | 1.3 | Hyaline cartilage✓ |  |  |
|  | 1.4 | Blood✓ |  |  |
|  | 1.5 | White fibrous cartilage✓ |  | (5) |

|  |  |  |  |
| --- | --- | --- | --- |
| 2 | 2.1 d) areolar tissue✓ |  |  |
|  | 2.2 a) blood✓ |  |  |
|  | 2.3 b) cartilage✓ |  |  |
|  | 2.4 c) connects a bone to another bone✓ |  |  |
|  | 2.5 e) connects a muscle to a bone✓ |  | (5) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3 | A | Bone✓ |  |  |
|  | B | Loose connective tissue✓ |  |  |
|  | D | Blood✓ |  |  |
|  | E | Fibrous✓ |  | (4) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4 | 4.1 | Tendons attach muscle to bone✓ |  |  |
|  | 4.2 | Blood transport substances such as food✓ |  |  |
|  | 4.3 | Hormones, enzymes, respiratory gases and excretory wastes✓ |  |  |
|  | 4.4 | Cartilage provides support, prevent damage between bones & in a joint, connect ribs to the sternum✓ |  |  |
|  | 4.5 | Epiglottis opens and closes the glottis✓ |  | (5) |

|  |  |  |  |
| --- | --- | --- | --- |
| 5. | Red blood cells✓  White blood cells✓  Platelets✓  Plasma✓ |  | (4) |

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| --- | --- | --- | --- | --- |
| 6 | 6.1 | Yellow elastic fibres  Collagen fibres |  | (2) |
|  | 6.2 | Plasma 55% Blood cells 45% |  | (2) |

|  |  |  |  |
| --- | --- | --- | --- |
| 7 | **Structure of Long Bone** |  | (5) |
|  | Correct diagram  Correct labels (head, shaft and head)  Caption |  | 1  3  1  (5) |
|  | **TOTAL** |  | **(30)** |