

1.1.5 ... tissue functions to conduct impulses throughout the body.

- A connective
- B nerve
- C muscle
- D epithelial

1.1.6 What is the magnification of the eye piece if the total magnification is 40x and the objective lens is 5x?

- A 2x
- B 15x
- C 4x
- D 5x

1.1.7 The following statements refer to the appendicular skeleton:

- i ~~connects the arm to the trunk~~
- ii ~~connects the arm to the hand~~
- iii ~~connects the hand to the wrist~~
- iv ~~connects the forearm~~

Which of the following combinations are correct?

- A ~~ii and iii only~~
- B ~~i and ii only~~
- C ~~i and iii only~~
- D ~~i and iv only~~

1.1.8 How many cells will be present after 4 mitotic divisions?

- A 
- B 
- C 
- D 

1.1.9 Which of the following cells make up phloem tissue?

- A ~~sieve tube elements and companion cells~~
- B ~~sieve tube elements and phloem parenchyma~~
- C ~~tracheids and xylem~~
- D ~~tracheids and xylem parenchyma~~

1.1.10 ... is NOT an adaptation to decrease transpiration.

- A ~~open stomata~~
- B ~~stomata~~
- C ~~stomata with guard cells on the upper~~
- D ~~ability of a stomata to open and close~~

[1x2=00]

1.2 Give the correct BIOLOGICAL TERM for each of the following statements. Write only the term next to the QUESTION NUMBER (1.2.1-1.2.8).

1.2.1 ~~light dependent reaction~~

1.2.2 ~~simplest form of matter that cannot be broken down into simpler substances by chemical means~~

1.2.3 ~~the process by which plants and animals use oxygen and food to produce energy~~

1.2.4 ~~the process by which plants and animals use carbon dioxide and water to produce glucose and oxygen~~

1.2.5 Site for protein synthesis.

1.2.6 ~~the process by which plants and animals use energy and nutrients to produce growth~~

1.2.7 Cells containing two sets of chromosomes.

1.2.8 ~~the process by which plants and animals use energy and nutrients to produce growth~~

[6x1=6]

1.3 Indicate whether each of the statements in COLUMN I applies to A ONLY, B ONLY, BOTH A and B or NONE of the items in COLUMN II. Write A only, B only, Both A and B or None, next to the QUESTION NUMBER (1.3.1-1.3.3).

	COLUMN I	COLUMN II
1.3.1	Plant organ responsible for transport	Root Stem
1.3.2	Movement of substances from a low concentration to a high concentration	Diffusion Osmosis
1.3.3	To test for the presence of a reducing sugar	Ammonium hydroxide Benedict's solution

[3x2=6]

1.4 The tables below are those of organic and inorganic compounds.

Complete the TWO tables by writing ONLY the ANSWER next to the QUESTION NUMBER (1.4.1 – 1.4.5) on your folio paper.

Name of compounds	Molecular compound	Importance of compound
Carbon dioxide	1.4.1	Photosynthesis
Water	1.4.2	Transpiration Water
1.4.3	Glucose	1.4.4

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