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QUESTION 1

Give the two types of organs found in the body of angiosperms. Your answer must also include the various examples under each organ and their functions in plant growth and development.

[25 MARKS]

QUESTION 2

Describe the non-meristematic tissues in angiosperms and their functions in plant growth and development.

[25 MARKS]

QUESTION 3

Write short notes on the following terms related to secondary growth in angiosperms;

- a) Lateral meristems (5 Marks)
- b) Phelloderm (5 Marks)
- c) Periderm (5 Marks)
- d) Phellem (5 Marks)
- e) Phellogen (5 Marks)

[25 MARKS]

QUESTION 4

Write short notes on the following terms related to sexual reproduction in angiosperms. You can support your short notes with well labelled diagrams where applicable.

- a) Formation of the microgametophyte (6 marks)
- b) Formation of the megagametophyte (8 marks)
- c) Double fertilisation (5 marks)
- d) Types of ovary positions in flowers (6 marks)

[25 MARKS]

QUESTION 5

- a) Give the Family name, genus and species of the following cultivated plants;

Common name	Family	Genus	Species
i) Rice			
ii) Wheat			
iii) Sorghum			
iv) Tomato			
v) Onion			
vi) Apple			
vii) Cotton			

(21 Marks)

- b) What was the main contribution of Carl Linnaeus (1707 - 1778) in botany? (4 Marks)

[25 MARKS]