

Foundation Combined — only core Foundation content included.

Q1. Describe the pathway of a reflex arc from stimulus to response.

[4 marks]

Q2. Name THREE regions of the brain and state the function of each.

[3 marks]

Total: 7 marks

Q1 (4 marks)

Describe the pathway of a reflex arc from stimulus to response.

- Stimulus detected by receptor [1]
- Sensory neurone → CNS [1]
- Relay neurone in spinal cord [1]
- Motor neurone → effector → response (bypasses brain → fast) [1]

Q2 (3 marks)

Name THREE regions of the brain and state the function of each.

- Cerebral cortex: conscious thought, memory, language [1]
- Cerebellum: coordination and balance [1]
- Medulla: automatic functions (breathing, heart rate) [1]