


Mark scheme

| Question | | | Answer/Indicative content | | | | | Marks | Guidance |
|-----------------------------------|---|--|---|----------------------------|------------------------------|---------------------------------|---------------------------------|--|--|
| 1 | | | | | | | | 4 (4 x AO 1.1) | One mark for each correct row ALLOW Hormonal and non-hormonal together for IUD, but not Hormonal on its own. <u>Examiner's Comments</u> This question discriminated between students at different grades well and there was an even spread of marks given between zero to three. Only a small number of candidates were given maximum marks. The most common correct response was for the understanding of condoms stopping sperm entering the uterus and were non-hormonal. The most common incorrect response was for the IUD and how it works. |
| | | | | Hormonal | Non-hormonal | Stops sperm entering the uterus | Stops ova (eggs) being released | | |
| | | | Condom | | ✓ | ✓ | | | |
| | | | Diaphragm | | ✓ | ✓ | | | |
| | | | IUD | | ✓ | | | | |
| | | | Combined pill | ✓ | | | ✓ | | |
| | | | | | ✓✓✓✓ | | | | |
| | | | Total | | | | | 4 | |
| 2 | | | C | | | | | 1 (AO 1.1) | |
| | | | Total | | | | | 1 | |
| 3 | | | | | | | 5 (5 xAO 1.1) | One mark for each correct row <u>Examiner's Comments</u> This question discriminated between candidates at different grades well. The majority achieved 3 or more marks in identifying structures of the nervous and endocrine system.  Assessment for learning The most common incorrect response was not identifying insulin producing cells in the pancreas was part of the endocrine system. | |
| | | | Structure | Part of the nervous system | Part of the endocrine system | Not part of either system | | | |
| | | | Insulin producing cells in the pancreas | | ✓ | | | | |
| | | | Kidney tubules | | | ✓ | | | |
| | | | Pituitary gland | | ✓ | | | | |
| | | | Spinal cord | ✓ | | | | | |
| Temperature receptors in the skin | ✓ | | | | | | | | |

| | | | | | |
|---|--|--|--------------|---------------|---|
| | | | ✓✓✓✓✓ | | Candidates thought it was not part of either system. Centres could reinforce the key endocrine glands in future as a key knowledge gap. |
| | | | Total | 5 | |
| 4 | | | A | 1 (AO 2.1) | <u>Examiner's Comments</u> This was the most accessible question in the multiple choice Section A, with most candidates correctly answering A and identifying auxin as the plant hormone which is responsible for growth towards the light-phototropism. |
| | | | Total | 1 | |
| 5 | | | A ✓ | 1 (AO 2.1) | <u>Examiner's Comments</u> This question proved to be the most challenging question in Section A. Many candidates did not recognise that the shoot would bend to the left due more auxin collected on the shaded side of the shoot which would cause more cell elongation. The most common incorrect answer was the shoot will bend to the right, answering B instead of A. |
| | | | Total | 1 | |