Section A: Two short-answer questions designed to assess knowledge and content from two of the three content areas (biological, cognitive, sociocultural).

Biological approach to understanding human behaviour

1. Describe how one chemical messenger plays a role in one human behaviour. (4 marks)

Ans. One chemical messenger is the <u>neurotransmitter dopamine</u>. This chemical, when released

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Dopamine is found in large quantities in the ▭▭▭▭

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▭▭▭▭▭ in an experiment by <u>Fisher, Aron and Brown</u>.

Using fMRI (functional magnetic resonance imaging) technology, the researchers asked ▭

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Thus, dopamine exemplifies ▭▭▭

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Cognitive approach to understanding human behaviour

2. Explain anchoring bias with reference to one example of human behaviour. (4 marks)

Ans. Anchoring bias is a cognitive bias, or error in thinking, that is the ▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ , as demonstrated by Tversky and Kahneman in their experiment.

Two groups of participants from ▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓ .

Thus, this study effectively showed how ▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓▓▓▓▓ ▓▓▓▓▓▓▓▓ .

Section B: Two compulsory short answer questions that are designed to assess the student's ability to apply knowledge to a new situation or in a new scenario

<u>**Read the following case study and answer the questions that follow**</u>-

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Riya is a 17-year-old student preparing for her final exams. She often finds it difficult to remember information from her textbooks, especially if she only reads them once. Her psychology teacher suggests that instead of simply reading the material, she should use strategies like rehearsing aloud, breaking down the information into smaller parts, and making revision flashcards. After trying these strategies consistently, Riya finds that she is able to recall concepts more accurately during tests.

During group study sessions, Riya notices that her classmate Aarav, who consistently performs well, uses certain effective habits: he explains concepts to others, uses spaced repetition, and avoids multitasking. Inspired by his behaviour, Riya begins to imitate his study techniques, hoping to improve her own academic performance. Over time, she not only performs better in tests but also encourages her younger cousin to follow the same strategies by modeling the techniques in front of her.

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3 . With reference to this study, explain the role of models in the study of cognitive processes. (6 marks)

Ans. The relevant cognitive process in Riya's case is <u>memory</u> and a model like the ▭▭▭▭
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In the case of Riya, since she only reads her textbooks once, she ▭▭▭▭▭▭
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Thus, this study shows that models in the study of ▭▭▭▭▭▭▭▭
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4. Explain how social learning theory could be used to achieve this goal. (6 marks)

Ans. Riya's goal is to improve her academic performance. <u>Social learning theory</u> by Bandura proposes that ▓▓▓▓▓▓▓▓▓▓▓▓▓▓
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In Riya's situation, Aarav is her role model. To achieve her goal, she carefully ▓▓▓▓▓▓▓
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Thus, social learning theory is used to achieve Riya's goal as ▓▓▓▓▓▓▓▓▓▓▓▓▓▓
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