2.4 The Working Memory Model: Central Executive to Episodic Buffer: 10-minute Pack

AQA 7182 · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer in full sentences for all extended and 6-mark or higher questions. Short 2-4 mark answers may be brief bullet points. Allow approximately 10 minutes for the whole pack.

1 Identify a limitation of case-study evidence and suggest how to address it.

(Total for Question 1 is 4 marks)

2 Explain the visuo-spatial sketchpad and give one task example.

(Total for Question 2 is 3 marks)

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Mark scheme · 2.4 The Working Memory Model: Central Executive to Episodic Buffer: 10-minute Pack

Question 1

identifies a limitation, e.g. case studies have low generalisability because they involve a single or small number of unusual patients oe	**M1**
explains why this matters, e.g. patterns seen in one patient may not represent typical cognitive architecture oe	**M1**
suggests a way to address it, e.g. replicate findings across multiple patients or use controlled experimental groups and neuroimaging to corroborate findings oe	**A1**
explains how this helps, e.g. larger or converging-sources studies improve confidence that the dissociation reflects general cognitive processes rather than idiosyncratic damage oe	**A1**

Answer: A limitation is low generalisability: a single case like KF may not represent typical cognitive processing. Researchers can address this by replicating patterns across multiple patients and combining case-study data with controlled experiments and neuroimaging, which increases confidence that observed dissociations reflect general cognitive mechanisms.

Question 2

states the visuo-spatial sketchpad stores visual and spatial information oe	**M1**
mentions it has limited capacity and helps with manipulation of visual images oe	**B1**
gives an example task, e.g. mentally rotating an object or navigating a route oe	**B1**

Answer: The visuo-spatial sketchpad stores and manipulates visual and spatial information with limited capacity; for example, it is used when mentally rotating an object or planning a route.

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