

Q1.

AO<sub>1</sub> = 1

Suggest **one** way in which the working memory model might be a better explanation of ~~short-term~~ memory than the multi-store model.

Working memory model proposes that short-term memory is an active workbench rather than a passive store of information

(Total 1 mark)

Q2.

AO<sub>1</sub> = 2

Identify the main type of coding used in each of the following components of the multi-store model of memory.

1 = Short term memory acoustic coding

1 = Long term memory semantic coding

(Total 2 marks)

Q3.

In an investigation into memory, participants were presented with two different lists of words.

STM:	LTM:
List A	List B
Flip	Huge
Flit	Large
Flop	Great
Flap	Giant
Flab	Vast
Flan	Mighty
Flat	Epic

AO<sub>2</sub> = 4

After seeing the lists, participants were tested on their ability to recall the words.

When tested immediately, participants found it more difficult to recall the words from List A in the correct order.

When tested after 30 minutes, participants found it more difficult to recall the words from List B in the correct order.

Using your knowledge of coding in memory, explain these findings.

List A contains words that sound similar since they are all beginning with the sound 'Fl...'. Since coding in short term memory is acoustic and this list is being recalled immediately, it is difficult to recall. List B contains words that have similar meaning as they all indicate some type of big size. Since coding in long

term memory is semantic, and this list is being recalled after 30 minutes, it can be difficult to remember.

(Total 4 marks)

Q4.

AO<sub>1</sub> = 4

Outline what psychological research has shown about short-term memory according to the multi-store model of memory.

Psychological research has shown that the capacity of short-term memory is  $7 \pm 2$  chunks of information. This means that an individual can hold anywhere between 5 to 9 chunks of information in this store. It has also shown that the duration of short term memory is about 18 to 30 seconds. Information is rehearsed or repeated in the articulatory loop of the store for this duration and then it fades away if not further rehearsed.

(Total 4 marks)

*Whatsapp : +919892507784 for psychology classes*

*E-mail : jyotika@excellingpsychology.com for other queries*

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Jyotika