

Past-paper walk-through

Motivation ■ 4.6

eXercise

Questions in this set

- 2024 Set 1 Q2 ■ 7 marks
- 2024 Set 2 Q1 ■ 7 marks
- 2023 Set 1 Q1 ■ 7 marks

Reading the mark scheme

- **B1** a mark that stands on its own – the point is either made or not.
- **M1** a *method* mark: the right approach, even if the number is wrong.
- **A1** an *answer* mark, and it usually needs its M mark first.
- **C1** a working mark on the way to the answer.
- **//** separates answers the examiner accepts equally.
- **ecf** = error carried forward: a later part is marked on your own earlier answer.
- **owtte** = “or words to that effect” – the wording need not match.

Question 2

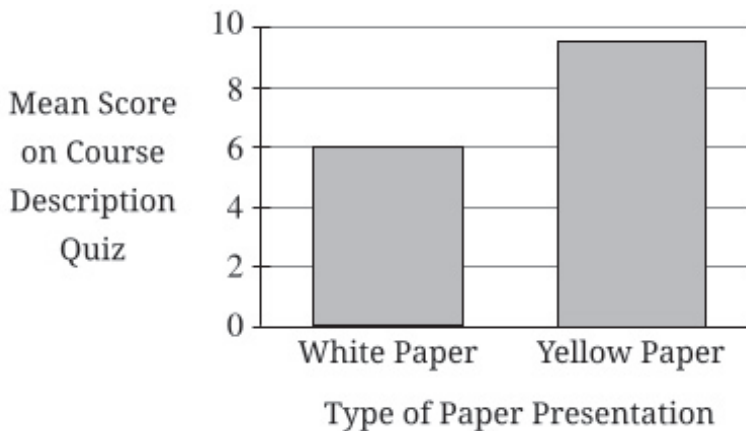
2024 Set 1 ■ Q2 ■ 7 marks

Research Design. Professor Gonzalez hypothesizes that students will remember more information from his detailed course description if it is printed on yellow paper than if it is printed on standard white paper. To test this hypothesis, he put the names of all his students into a bowl, then drew out names to assign them to two different groups. He gave one group of the students in his class a course description printed on white paper, and gave the other group of students a course description printed on yellow paper. Students were instructed to thoroughly read the description outside of class in preparation for their next class. In the next class, he gave all students a ten-question quiz asking them about the information found on the course description. Professor Gonzalez then compared the number of correct answers for each group of students. The statistically significant results are depicted in the graph. Part A ■ State the operational definition of the dependent variable. ■ Identify the experimental group. ■

Question 2

In addition to the manipulation of an independent variable, identify the procedure Professor Gonzalez used to make this study a true experiment. ■ Explain how the data as presented in the graph do or do not support Professor Gonzalez's hypothesis. Part B Explain how each of the following might relate to a student's performance on any quiz. ■ Context-dependent memory ■ Yerkes-Dodson law ■ Low level of the Big Five trait of conscientiousness

Question 2



Solution 2

- Research Design, 7 points. Points — State the operational definition of the dependent variable. — Response must indicate that the dependent variable is operationally defined as the student's score on the course description quiz. | Identify the experimental group. — Response must indicate that the experimental group is the group with the course description printed on yellow paper. | Explain how the data as presented in the graph do or do not support Professor Gonzalez's hypothesis. — Response must indicate that data support the hypothesis because the experimental group (i.e., the yellow paper group) scored higher on the test.
- General notes: spelling and grammar do not reduce a score; a definition alone does not earn a point, the concept must be applied to the scenario.

Question 1

2024 Set 2 ■ Q1 ■ 7 marks

Concept Application. Claire's sports team made it to the championship basketball game. To play the game, the teammates will need to work together to move a ball toward their own goal. They must then aim carefully to throw the ball into a hoop that is elevated about 10 feet off the ground. The winner is the team that gets the ball into the hoop the most times. Part A Explain how each of the following might help Claire be successful during the game. ■ Retinal disparity ■ Intrinsic motivation ■ Social facilitation ■ Kinesthetic sense Part B Claire's team won the championship game. Ten years later, the team got together for a reunion at the gym where the game was originally held. At the reunion, they discussed the championship game. Explain how each of the following might influence Claire's recollection of the game. ■ Context-dependent memory ■ Self-serving bias ■ Retroactive interference

Solution 1

- Concept Application, 7 points. Points — Explain how each of the following might help Claire be successful during the game. Retinal disparity — Response must indicate that the difference in visual signals from each of Claire's eyes allows her to see depth, which helps her be successful during the game. | Explain how each of the following might influence Claire's recollection of the game. Context-dependent memory — Response must indicate that Claire remembers more about the game because she is in the same physical location where she encoded the memory.
- General notes: spelling and grammar do not reduce a score; a definition alone does not earn a point, the concept must be applied to the scenario.

Question 1

2023 Set 1 ■ Q1 ■ 7 marks

Concept Application. Part A Steve is in the kitchen happily making breakfast for his four children, who are all playing together in the living room. After hearing a loud crash, Steve becomes quite upset and rushes into the living room, where he sees a lamp shattered on the floor. The children are watching television, and no one is trying to clean up the lamp. Explain how each of the following relates to the scenario. ■

Soundwave amplitude ■ Procedural memory ■ Diffusion of responsibility ■

Dispositional attribution ■ Ghrelin Part B Instead of asking the children what happened, Steve immediately turns off the television and sends them all outside to rake the large amount of leaves in the backyard. Steve stays irritable for the rest of the day. Explain how each of the following relates to the scenario. ■ Authoritarian parenting style ■ Steve's high level of the Big Five trait of neuroticism

Solution 1

- Concept Application, 7 points. Points — Explain how each of the following relates to the scenario. Question 1: Concept Application 7 points Soundwave amplitude — Response must indicate that relevant to the scenario, a loud sound is associated with high soundwaves, or a soft sound is associated with low soundwaves. | Explain how each of the following relates to the scenario. Authoritarian parenting style — Response must indicate that Steve is demonstrating a parenting style that includes high control, no discussion of expectations or consequences (one-way communication), or that focuses on obedience and discipline.
- General notes: spelling and grammar do not reduce a score; a definition alone does not earn a point, the concept must be applied to the scenario.