6.1 Origins of the Universe: 10-minute Pack

AQA 8062 · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions.

1 This question checks key vocabulary used when discussing the origins of the universe.

(a) State what is meant by the Big Bang theory. **(1)**

(b) State what is meant by creation, in a religious context. **(1)**

(c) State what is meant by omnipotent. **(1)**

(d) State what is meant by the design argument. **(1)**

(e) State what is meant by a literal interpretation of a creation account. **(1)**

(Total for Question 1 is 5 marks)

2 Give three facts about the Big Bang theory.

(Total for Question 2 is 3 marks)

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3 Explain two religious teachings about the origins of the universe. Refer to a source of wisdom and authority in your answer.

(Total for Question 3 is 4 marks)

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Mark scheme · 6.1 Origins of the Universe: 10-minute Pack

Question 1

(a) the scientific theory that the universe began about 13.8 billion years ago from an extremely hot, dense point that has been expanding ever since, oe **B1**

(a) Answer: The scientific theory that the universe began about 13.8 billion years ago from an extremely hot, dense point and has been expanding ever since.

(b) the religious belief that the universe was brought into existence by God, oe **B1**

(b) Answer: The religious belief that the universe was brought into existence by God.

(c) all-powerful, oe **B1**

(c) Answer: All-powerful.

(d) the argument that the order and complexity of the universe suggest it was made by an intelligent designer, oe **B1**

(d) Answer: The argument that the order and complexity of the universe suggest it was made by an intelligent designer.

(e) reading a religious text, such as Genesis 1, as a factually accurate historical account of exactly how and when the universe was made, oe **B1**

(e) Answer: Reading a religious text as a factually accurate historical account of exactly how and when the universe was made.

Question 2

it states that the universe began about 13.8 billion years ago, oe **B1**

it states that all matter and energy were once concentrated in an extremely hot, dense point, oe **B1**

it states that the universe has been expanding and cooling ever since, oe **B1**

Answer: Any three: began about 13.8 billion years ago; all matter/energy once concentrated in an extremely hot, dense point; the universe has been expanding and cooling ever since.

Question 3

point 1: many Christians believe God created the universe out of nothing, as an act of his own power, oe **B1**

development: Genesis 1:1 teaches that 'in the beginning God created the heavens and the earth', oe **B1**

point 2: many Muslims believe Allah alone created the universe by his command, oe **B1**

development: the Qur'an teaches that Allah is the Originator of the heavens and the earth, who need only say 'Be' for something to come into being (Qur'an 2:117), oe **B1**

Answer: E.g. God creating out of nothing (Genesis 1:1); Allah as the Originator who creates by his command (Qur'an 2:117).

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