**All shook up Mock Paper – Foundation**

**Section A**

**Resource 1**

1. Name a tectonic hazard? (1 Mark)

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**Resource 2**

2a. Which place had the highest cost of damage? (1 mark)

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2b. Which place had the highest death toll? (1 mark)

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3. Give 2 reasons why the earthquake in northern Sumatra has caused more deaths than the Honshu earthquake even though they have a similar magnitude? (4 marks)

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**Resource 3**

4. Suggest three ways that communities get ready before a disaster? (3 marks)

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(Total 10 marks)

**Section B**

**Resource 4**

5. Give two reasons to explain why ‘earthquakes don’t kill people buildings do’? (4 marks)

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**Resources 5a b c**

6. Identify which location had the most and least damage and suggest two reasons why (6 marks)

Most ……………………………………………………………………………………………………………………………………

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**Resource 6**

7. Explain one advantage and one disadvantage of seismic retrofitting methods (4 marks)

Advantage …………………………………………………………………………………………………………………………….

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Disadvantage ……………………………………………………………………………………………………………………….

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14 marks

**Section C**

Use resources3, 5a, 5b, 5c, 6, 7 and 8 plus your own knowledge and any ideas from other resources in the booklet.

People have been trying to limit the damage caused by Earthquakes for hundreds of years with varying success. The Governor of California needs to make a sustainable decision on the best way to decrease the impacts of Earthquakes in the San Francisco Bay area. He is considering 3 options.

Option 1 – Move the amount of key facilities at risk away from areas most at risk from earthquakes.

Option 2 – Ensure all buildings adhere to strict building regulations and seismic retrofit those which don’t.

Option 3- Urban preplanning of the entire area to allow for emergency supplies, open areas etc. and press for an increase in education regarding earthquakes.

8a. chosen option ……………………………………

Reason 1 …………………………………………………………………………………………………………………………………

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8b. reasons for rejecting other options

Option …………….

Reason ……………………………………………………………………………………………………………………………………

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4 marks

8c disadvantage of chosen option (3 marks)

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8d Advantages of one of my rejected options (3 marks )

Option ………..

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Total 16 marks

**All shook up Mock paper – Higher**

**Section A**

**Resource 1**

1. Explain why people live in areas where earthquakes and volcanoes are? (2 marks)

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**Resource 2**

1. Describe and explain the differences between earthquakes of similar magnitude. Refer to data (4 marks)

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**Resource 3**

1. Describe and explain how communities respond before an earthquake (4 marks)

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Total 10 marks

**Section B**

**Resources 5a b c**

1. Suggest why the three earthquakes all had a similar magnitude yet the impacts and damage were so different ( 8 marks)

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8 marks

**Resource 6 and own knowledge**

5.Suggest why different seismic retrofitting methods are advantageous to countries (6 marks)

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6 marks

Total 14 marks

**Section C**

Use resources3, 5a, 5b, 5c, 6, 7 and 8 plus your own knowledge and any ideas from other resources in the booklet.

People have been trying to limit the damage caused by Earthquakes for hundreds of years with varying success. The Governor of California needs to make a sustainable decision on the best way to decrease the impacts of Earthquakes in the San Francisco Bay area. He is considering 3 options.

Option 1 – Move the amount of key facilities at risk away from areas most at risk from earthquakes.

Option 2 – Ensure all buildings adhere to strict building regulations and seismic retrofit those which don’t.

Option 3- Urban preplanning of the entire area to allow for emergency supplies, open areas etc. and press for an increase in education regarding earthquakes.

TASK

Explain which Option you think would offer the governor the most sustainable way to decrease earthquake damage in the San Francisco Bay area. In your answer you should;

•State your chosen option

•Explain why you think your chosen option is more sustainable than other options

•Explain any disadvantage of your chosen option

•Give one possible advantage of each of your rejected options

• (16)

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