

# Earthquakes LC Exam Qs

1 (2013)

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- Q.2 (i) C Focus  
D Epicentre  
A Seismic waves  
B Fault line  
(ii) Any two valid explanations

- Q.8 (i) 12%  
(ii) 12%  
(iii) SW  
(iv) SE

2 (2014)

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- Q.3 D Joint  
G Syncline  
A Volcano  
C Coastal deposits  
E Bedding plane  
H Magma chamber  
B Weathering  
F Anticline

- Q.8 (i) X 255 930  
(ii) N25  
(iii) Any valid statement  
(iv) Priory/Church

- Q.9 (i) Gran Canaria  
(ii) 2,000m  
(iii) 6,000m

3 (2006)

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Each question: 4 parts @ 2 marks each (no grading)

4 (2006)

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Each question: 4 parts @ 2 marks each (no grading)

5 (2011)

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Four parts @ 5 marks each

- (i) 9 kilometres 5 marks  
(ii) 250 million 5 marks  
(iii) Germany, Netherlands, Finland, France, Norway,  
Austria, Hungary, Sweden, Britain, Northern Ireland  
England, Scotland, Wales (any two) 3 + 2 marks  
(iv) Explanation 3 + 2 marks

6 (2013)

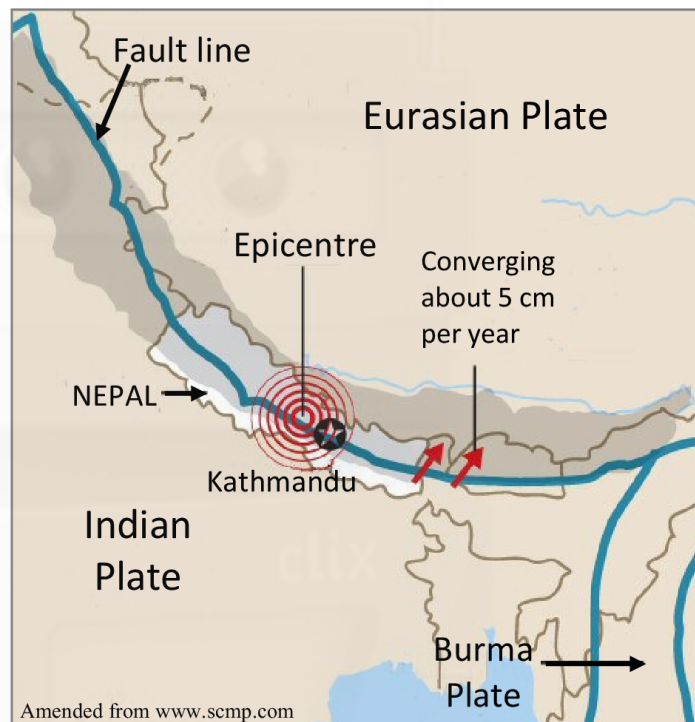
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Five parts @ 4 marks each.

- (i) Lateral blast deposits 4 marks  
(ii) North West - North East 4 marks  
(iii) 5-5.2 miles 4 marks  
(iv) Any two named 2 + 2 marks  
(v) Any valid explanation 2 + 2 marks

## A. Earthquakes

Nepal Earthquake, 25 April 2015, Magnitude 7.8



Examine the diagram above and answer each of the following questions.

- (i) What was the magnitude of the earthquake in Nepal in 2015?
- (ii) The movement of which **two** plates resulted in the earthquake in Nepal?
- (iii) What type of plate boundary is shown above?
- (iv) Name **two** other types of plate boundaries.
- (v) Explain briefly what is meant by the term *epicentre*.
- (vi) Explain briefly **one** way of reducing the impact of earthquakes.

[20m]

- |       |                               |             |
|-------|-------------------------------|-------------|
| (i)   | 7.8                           | 2 marks     |
| (ii)  | Indian and Eurasian           | 2 + 2 marks |
| (iii) | Converging/Destructive        | 2 marks     |
| (iv)  | Diverging etc. & Neutral etc. | 2 + 2 marks |
| (v)   | Valid explanation             | 2 + 2 marks |
| (vi)  | Valid explanation             | 2 + 2 marks |

## 8 (2019)

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- |       |              |             |
|-------|--------------|-------------|
| (i)   | 6.7          | 2 marks     |
| (ii)  | Malibu       | 2 marks     |
| (iii) | 10 (seconds) | 2 marks     |
| (iv)  | 90-105 (km)  | 4 marks     |
| (v)   | Valid answer | 2 marks     |
| (vi)  | Valid answer | 2 + 2 marks |
| (vii) | Valid answer | 2 + 2 marks |

## 9 (2017)

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Reference to global distribution	2 + 2 marks
Examination	13 x SRP's

- Credit reference to the tectonic cycle for 1 x SRP from examination.
- Credit relevant labelled diagram for 1 x SRP.
- Diagram without labelling 0 marks.
- Credit additional relevant information on a labelled diagram for 2 x SRP's. This must be information not already given in the written account.
- If there is no reference to how the tectonic cycle helps to explain the global distribution of either volcanoes, earthquakes or fold mountains max 2 x SRP's.

## 10 (2017)

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Reference to prediction of seismic activity	2 marks
Reference to reducing impacts of seismic activity	2 marks
Explanation	13 x SRP's

- Credit 2<sup>nd</sup> reference to prediction of seismic activity for 1 x SRP from explanation. All further references must be explained.
- Credit 2<sup>nd</sup> reference to reducing impacts of seismic activity for 1 x SRP from explanation. All further references must be explained.
- Credit reference to occurrence of seismic activity for 1 x SRP from explanation.
- Credit a relevant labelled diagram for 1 x SRP.
- Diagram without labelling 0 marks.
- Credit additional relevant information on a labelled diagram for 2 x SRP's. This must be information not already given in the written account.
- Take a broad interpretation of prediction of seismic activity and reducing effects of seismic activity.
- Max 7 x SRP's if only prediction or only reduction of effects explained.

Global examples/locations of earthquakes  
Discussion

2+2 marks  
13 x SRPs

- If no link made between the theory of plate tectonics and earthquakes, maximum of 6 x SRPs
- Credit relevant labelled diagram for 1 x SRP
- Credit extra relevant information on labelled diagram for 2 x SRPs
- Diagram without labelling = 0 marks

Global Examples: 2 marks + 2 marks  
Plate tectonics examined: 13 x SRPs

- Examination all on plate tectonics - max 6x SRPs.
- Give credit to relevant diagrams for a max of 2 x SRPs and credit extra annotated information on diagrams.
- No credit for the effects of volcanoes.

Measurement identified: 2 marks  
Effects identified: 2 + 2 marks  
Named Examples: 2 + 2 marks  
Discussion: 10 x SRPs (5 x SRPs per each aspect)

