

[Total No. of Pages : 3 Roll No _____]

1(CCCE - M)4

GEOLOGY-I

[11]

Time : 3 Hours

Maximum Marks : 300

INSTRUCTIONS

- i) *Answer must be written in English.*
- ii) *The number of marks carried by each question is indicated at the end of the question.*
- iii) *The answer to each question or part there of should begin on a fresh page.*
- iv) *Your answer should be precise and coherent.*
- v) *The part/parts of the same question must be answered together and should not be interposed between answers to other questions.*
- vi) *Candidates should attempt question No :1 which is compulsory and any four more question out of the remaining questions.*
- vii) *If you encounter any typographical error, please read it as it appears in the text book.*
- viii) *Candidates are in their own interest advised to go through the General Instructions on the back side of the title page of the Answer Script for strict adherence.*

11-I/2017

(1)

[Turn Over

ix) No continuation sheets shall be provided to any candidate under any circumstances.

x) Candidates shall put a cross (X) on blank pages of answer Script.

xi) No blank page be left in between answer to various questions.

xii) No programmable Calculator is allowed.

xiii) No stencil (with different markings) is allowed.

1. Explain in detail the following: (80)

- a) Interior of the Earth
- b) Types, causes and products of volcanoes
- c) Dating of rocks

OR

- a) Geosynclines
- b) Mid-oceanic ridges (MORs')
- c) Plate tectonics

2. Describe the classification of folds. Explain genetics of folds with parts and suitable illustrations. (55)

3. What is weathering? Explain in detail various types of weathering and their products. Draw a neat sketch of Soil profile. (55)

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(2)

4. Explain in detail the following: (55)

- a) Principles of stratigraphy
- b) Standard geological time scale
- c) Stratigraphic nomenclature

5. Write notes on the following: (55)

- a) Significance of fossils
- b) Siwalik vertebrates
- c) Gondwana flora and fauna

6. Describe the classification, morphology and age of gastropods with neat diagrams. (55)

7. Discuss the causes, types, zones and effects of earthquakes. Give three examples of major earthquakes recorded in Indian subcontinent. (55)

8. Describe an outline of the stratigraphy of the Dharwar system of rocks of South India. Add a note on equivalents of the Dharwars in other parts of India. (55)



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(3)