

D 72904

(Pages : 2)

Name.....

25

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2014

(CUCSS)

Applied Geology

GEL 1C 01 PHYSICAL GEOLOGY AND GEOMORPHOLOGY

(2010 Admissions)

Time : Three Hours

Maximum : 36 Weightage

Answer all questions.

I. Answer *all* questions in two or three sentences each :

- 1 Chondrite.
- 2 Magnetic declination.
- 3 Airy's Hypothesis.
- 4 Velocity discontinuities of Earth.
- 5 Rejuvenation of landforms.
- 6 Lateritic Soils.
- 7 Rock fall.
- 8 Bifurcation ratio.
- 9 Ground water basin.

(9 × 1 = 9 weightage)

II. Answer any *five* questions, each not exceeding *two pages* :

- 10 Important characteristics of Terrestrial planets.
- 11 Mantle convection.
- 12 Climatic controls in landform development.
- 13 Point bar.
- 14 Classification of wet lands.
- 15 Indo-Gangetic plain.
- 16 Slope failure.
- 17 Geomorphic criteria for dam site selection.

(5 × 3 = 15 weightage)

Turn over

III. Write essays on :

18 Describe the various theories on the origin of solar system.

Or

19 Explain the various models of landform evolution.

(1 × 6 = 6 weight)

20 How are soils formed ? Give an account of the important soil types of Kerala.

Or

21 What are the factors contributing to landslides ? Explain the concept of slope stability ?

(1 × 6 = 6 weight)