

[This question paper contains 2 printed pages]

5236

Your Roll No

B.Sc. Prog./III

J

EL-310 (v) – Earth System Science

(Admissions of 2005 & onwards)

Time 2 hours

Maximum Marks 38

*(Write your Roll No on the top immediately
- on receipt of this question paper)*

*Attempt any seven questions
Question No 1 is compulsory*

- 1 What are the various hypotheses put forward for origin of the Earth ? Describe the modern theory of Origin of Earth
- 2 What mechanism was responsible for producing an iron rich core of the Earth and how ?
- 3 Explain Coriolis Force Show and discuss the effect of Coriolis Force on a fast moving body in the northern hemisphere from west to east
- 4 Describe in detail the surface circulation in the world ocean and also discuss the factors producing and modifying surface circulation on various time and space scale

P T O

- 5 Write Short Notes on
- (a) Land forms produced by Rivers
 - (b) Chemical Weathering
- 6 Explain briefly why
- (a) Large ocean gyres in northern hemisphere are clockwise while in southern hemisphere counterclockwise ?
 - (b) Global warming may result in glaciations in North America and Europe ?
- 7 Explain the various methods to determine the age of the Earth Describe in detail the most modern method
- 8 What are different types of plate boundaries ? Giving sketches and examples discuss in detail various types with examples