

**B.Tech. Civil (Water Resources Engineering)
BTCLEVI / BTMEVI / BTELVI / BTECVI / BTCSVI**

Term-End Examination

00889

June, 2014

ET-531(A) : EARTH AND ITS ENVIRONMENT

Time : 3 hours

Maximum Marks : 70

Note : Answer any **five** questions. All questions carry equal marks. Give neat and well-labelled sketches where necessary.

1. (a) Write a short essay on the consequences of developmental activities on the environment. 6
- (b) What do you understand by the *Monsoon system* as applied to India ? Explain its main features. 8
2. (a) Explain forces acting upon the air. Give labelled diagram to show the changes in Coriolis force with latitude. 9
- (b) Explain the significance of weather map. 5

3. (a) What is weathering of rocks ? Give specific examples. 5
- (b) How do chemical and mechanical weathering processes work ? Explain the products produced through these processes. 9
4. (a) Draw a typical definition sketch of a glacier and explain its various parts and features. 10
- (b) Explain joint and fracture of Earth's crust. 4
5. (a) Explain an ecosystem giving suitable examples. 6
- (b) Define waste land. Explain remedial measures for waste land. 8
6. (a) What is rock ? Give its classification based on its texture. 5
- (b) Discuss the formation of tertiary and quaternary rocks. 5
- (c) How are rocks different from soil ? 4
7. Write short notes on any **four** of the following : $4 \times 3 \frac{1}{2} = 14$
- (i) Bio-degradable and non-degradable pollutants
- (ii) Faults
- (iii) Foliation and lineation
- (iv) Hydrosphere
- (v) Clouds
- (vi) Formation of mountains
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