



**Indira Gandhi National Tribal University,
Amarkantak (M.P.)**

Semester End Examination, April - 2023

Environmental Science

M.Sc. – I Semester

**Paper Name- Basics of Physical Environments &
Earth Science**

Paper Code- EST:102

Max Time: 3 Hrs.

Max Marks: 60

**Note: Attempt questions of all two sections as directed.
Distribution of marks is given with sections.**

(5x12=60)

(Section-A)

Q.1 Attempt *any three* questions. Each question carries 4 marks.

(4 x 3=12)

- (a) Why study of Environmental Science is important in current scenario?
- (b) What is Darcy law and groundwater overdraft?
- (c) When MAB programme was launched? What are the functions?
- (d) How atmospheric temperature and pressure vary with height?
- (e) What is aquifer and its type?

Q.2 Define the following terms (any four) **(3 x 4 =12)**

- (a) Moraine and Till
- (b) Folding and Faulting
- (c) Deflation and Abrasion
- (d) V-shaped and U-Shaped valley
- (e) Meander and Alluvial Fan

(Section- B)

(Long Answer Type Questions)

*Note: Attempt **any three** questions. Each question carries 12 marks.*

3 X 12 = 36

3. Explain formation and structure of atmosphere with diagram?
(6+6)

OR

3. Define rainwater harvesting method ? Illustrate various method of rainwater harvesting method? (2+10)
4. What are exogenic and endogenic process on Earth ? Explain interior structure of Earth with diagram? (4+8)

OR

4. How rocks are classified? Explain characteristics of three different types of rock? (4+8)
5. What is weathering? Explain different types of weathering?
(2+10)

OR

5. What is advantage of artificial recharge of groundwater?
Explain different method of artificial recharge of
groundwater? (4+8)
