

**SARDAR PATEL UNIVERSITY,**  
**Programme & Subject : B.A. Geography (CBCS)**  
**SEMESTER-II**  
**Effect from June, 2018**  
**C-111 Geomorphology**

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Paper Code: UA02CGEO21</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Total Credit:3</b> |
| <b>Title of Paper : Geomorphology.</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |
| <b>Unit</b>                            | <b>Description in Detail</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Weightage (%)</b>  |
| <b>1.</b>                              | 1.1 Definition, Nature, Meaning and Scope of Geomorphology.<br>1.2 Relation of Geomorphology with Other branches of earth Science.<br>1.3 Approaches of the study of Geomorphology.<br>1.4 Importance of the Geomorphology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>25%</b>            |
| <b>2.</b>                              | 2.1 Theory's of Origin of Earth.<br>2.2 Interior Structure of the earth, and Seismology.<br>2.3 Rocks – Origin and composition types of rocks.<br>2.4 Soil formation and composition of soil.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>25%</b>            |
| <b>3.</b>                              | 3.1 Earthquakes<br>3.2 Volcanoes<br>3.3 Denudation<br>3.4 Deposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>25%</b>            |
| <b>4.</b>                              | 4.1 Concept of Cycle of Erosion<br>4.2 Fluvial and Glacial landforms<br>4.3 Aeolian landforms<br>4.4 Marine and Karst landforms.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>25%</b>            |
| <b>Readings</b>                        | 1. Bloom A. L., 2003: <i>Geomorphology: A Systematic Analysis of Late Cenozoic Landforms</i> , Prentice-Hall of India, New Delhi.<br>2. Strahler A. N. Strahler A. H. 'Modern Physical Geography' John Wiley & Sons 1992.<br>3. Christopherson, Robert W., (2011), <i>Geosystems: An Introduction to Physical Geography</i> , 8 Ed., Macmillan Publishing Company<br>4. Kale V. S. and Gupta A., 2001: <i>Introduction to Geomorphology</i> , Orient Longman, Hyderabad.<br>5. Knighton A. D., 1984: <i>Fluvial Forms and Processes</i> , Edward Arnold Publishers, London.<br>6. Richards K. S., 1982: <i>Rivers: Form and Processes in Alluvial Channels</i> , Methuen, London.<br>7. Selby, M.J., (2005), <i>Earth's Changing Surface</i> , Indian Edition, OUP<br>8. Skinner, Brian J. and Stephen C. Porter (2000), <i>The Dynamic Earth: An Introduction to physical Geology</i> , 4th Edition, John Wiley and Sons<br>9. Thornbury W. D., 1968: <i>Principles of Geomorphology</i> , Wiley.<br>10. Gautam, A (2010): <i>Bhautik Bhugol</i> , Rastogi Publications, Meerut<br>11. Mahendra Shah & K. N. Jasani "Physical Geography" Uni. Granthnirman Board, Ahmedabad (Gujarati)<br>12. Singh, S (2009): <i>Bhautik Bhugol ka Swaroop</i> , Prayag Pustak, Allahabad |                       |