



॥ वसुधैव कुटुम्बकम् ॥  
**SYMBIOSIS**

# Symbiosis College of Arts and Commerce

(An Autonomous College Affiliated to University of Pune)

Subject code	Semester	I	II	III	IV	V	VI	M.Com.	I	II	III	IV
Title of Subject (For F.Y. as appeared in the prospectus) (For S.Y. & T.Y. titles can be as per the approval of BOS)		<b>UNDERSTANDING EARTH SYSTEM (PART 2)</b> <b>(June 2019- 2021)</b>										
Objectives	<ol style="list-style-type: none"> <li>To introduce the students to the basics of major spheres &amp; various earth systems.</li> <li>To acquaint the students with the roles &amp; application of earth systems in different areas.</li> <li>To make students aware of the need of conservation of different landforms &amp; ecosystems.</li> </ol>											
Detailed Syllabus												
Unit	Contents Of The Syllabus											Number of Lectures
1.	Title Of The Topic: <b>ATMOSPHERE : Structure &amp; Composition</b> a) Weather & Climate b) Meaning, Composition & Structure Of Atmosphere c) Air Masses : Concept & Types											10
2.	Title of the topic: <b>INSOLATION</b> a) Insolation : Meaning, b) Heat Budget Of the Earth c) Processes Of Transfers Of Heat : Radiation, Conduction And Convection d) Horizontal & Vertical Distribution Of Temperature e) Global Warming: Causes And Consequences											10
3.	Title of the topic: <b>ATMOSPHERIC PRESSURE &amp; MOISTURE</b> a) Atmospheric Pressure Belts & Wind Systems b) Humidity: Meaning, Process, Forms--Dew, Fog, Hail, snow c) Types Of Precipitation d) Distribution Of Rainfall In India											10
4.	Title of the topic: <b>HYDROSPHERE</b> a) Submarine Relief : Relief Features Of Major Ocean Floors b) Salinity Of Ocean Water And Its World Distribution c) Major Ocean Currents , El-Nino, La-Nina and Its Impact											10
5.	Title of the topic: <b>APPLIED PHYSICAL GEOGRAPHY</b> a) Introduction To GIS And Remote Sensing b) Study Of Geographical Features From Local Area c) Study Of Methods Of Water Conservation d) Smart City- "PUNE"											8
	Field visits, Guest lectures & Documentories											6
	Total lectures											54



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(Swati Dixit)  
13.12.19