



# Dr. Lakshmaiah IAS Study Circle

57/17, Old Rajendra Nagar, New Delhi.

Branches: Hyderabad, Dehradun, Amaravati, Tirupati, Vishakhapatnam

Ph. No: +91-9052265819

Class No	Tentative Dates	Topics to be covered
1	30-08-2019	<b>Concepts related to Universe and Solar System along with the Space Missions</b> – Big Bang Theory, Dark Matter, Electromagnetic Spectrum, Electromagnetic Radiation, Dark Energy, Nebula, Proof of Expansion of Universe, Different Types of Galaxies, Life of a Star, Exoplanets, Goldilocks Zone, Planets of the Solar System. Asteroids, Difference between Meteors, Meteorites, Meteorides, Characteristics of Planets, Different Space Missions, ESA/NASA Mission
2	31-08-2019	<b>Earth and its Characteristics</b> - Shape, Latitudes, Longitudes, Polar Circles, Earth, Magnetic Field, Latitudinal Variation, Longitude, Eclipses, Formation of Earth, Surface, Evolution of Life
3	01-09-2019	<b>Earth's Interior</b> - Direct source of information, Indirect Source of information, Earthquake and Earthquake waves, Terminologies related to earthquake, Characteristic of Earthquake wave that help to understand interior of Earth, Structure of Earth based on chemical characteristics and physical characteristics, Discontinuities in interior of earth, Endogenic and Exogenic Forces responsible for change on Surface of earth, Earth Surface Movement, Continental Drift Theory (Evidences and Explanation), Sea Floor spreading theory, Plate Tectonic Theory, Movements of Plates and their interactions, Plate boundaries
4	06-09-2019	<b>Tectonic Theory</b> : Plate boundaries and associated landforms, Earthquakes, Tsunami, Volcanic Eruptions and associated landforms
5	07-09-2019	<b>Landforms</b> : Exogenic geomorphic processes and associated landforms, Gradation, Denudation, Weathering, Erosion, Concepts related to Fluvial Process like stages of river, erosional and depositional landforms, Karst topography, Glacial landforms
6	08-09-2019	<b>Climatology</b> - Concepts related to Atmosphere, its composition and structure, Heating and cooling of earth covering concepts like Insolation, heat budget etc. Weather and Climate, Factors influencing temperature, Pressure and Air Circulation systems of Earth
7	10-09-2019	<b>Climatology</b> : Humidity, Formation of Clouds and their classification, Types of Rainfall and concepts related to rainfall like Air Mass and Front, Cyclones – Characteristics, conditions for formation and mechanism
8	13-09-2019	<b>Monsoon</b> – Mechanism, Causes, El Nino, La Nina, Southern Oscillation Index and Walker Circulation and Indian Ocean Dipole
9	14-09-2019	<b>World Climatic Regions and Vegetation</b> – Factors affecting vegetation, Climatic conditions and vegetations of Equatorial wet climate, Tropical Monsoon region, Tropical Eastern Margin climate, Tropical monsoon climate, Tropical marine vegetation and climate, Wet and Dry Deciduous vegetation, Tropical Interior continental or Sudan type, Tropical Western margin deserts, Warm Temperate climate and cool temperate climate
10	15-09-2019	<b>Oceanography</b> – Ocean Floor, Physical Characteristics, Currents and Tides; Coral Reefs
11	20-09-2019	<b>Indian Geography</b> : Location, Boundaries, Formation of Himalayas, Features of Himalayas and other geographical formations like Northern Plains, Peninsula, Deserts and Islands
12	21-09-2019	<b>Drainage System</b> : Terminologies, Patterns, Classification, Various types of soil and related crops
13	22-09-2019	<b>Agriculture</b> – Evolution of Agriculture, Important concepts like Land Reforms and Green Revolution, Problems and schemes related to Agriculture, Natural Resources and their availability, Tribes of India and their cultural practices, Interlinking of Rivers and issues related to population