APPENDIX (E)

LIST OF CHARTS

CHART-1A: COMPOSITION OF ATMOSPHERE

- **Oxygen**: 78.09%
- **Carbon dioxide, Hydrogen, Helium, Ozone**: 20.95%
- **Nitrogen**: 0.93%
- **Argon**: 0.03%
CHART–1B: HYDROLOGICAL CYCLE
Appendices

CHART-1C: STRUCTURE OF THE ATMOSPHERE

450 Km
Exosphere
Temperature increasing
THERMOSPHERE
Ionosphere

100 Km
Meteors
Reflects Radio waves from here
MESOSPHERE
Temperature decreasing

50 Km
Noctiluscent clouds
Ozone
STRATOSPHERE
Temperature increasing

8 Km
Mount Everest
Temperature decreasing
TROPOSPHERE

(-80°C)
Appendices

CHART–2A : TYPES OF SPHERES
Appendices

CHART-3A: SUBMARINE RELIEF

CHART-3B: FORMS OF PRECIPITATION

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CHART-4 A : FORMATION OF SPRINGS
Appendices

Water Vapour

Longest Cycle

CHART-4C: HYDROLOGICAL CYCLE

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Appendices

CHART-5A : INSOLATION HEAT BALANCE

CHART-5B : TEMPERATURE ZONES

Outer Space Atmosphere

EARTH'S SURFACE

Absorbed by Earth

+100 UNITS

+14 UNITS

-35

-48 UNITS

Absorbed

-17 UNITS

Reduced

Terrestrial Radiation

N.P.

66°N

23½°N

0°

23½°S

66½°S

66½°N

S.P.

Appendices

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Appendices

CHART-7A: MAJOR PRESSURE AND WIND BELTS
TYPES OF RAINFALL

CYCLONIC RAINFALL

CONVECTIONAL RAINFALL

Appendices

Factors Affecting Climate

Latitude
Land & Sea Contrasts
Relief Features
Ocean Currents

Appendices

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Appendices

► Direction of flow of energy - non-cyclical.
^ Direction of nutrients flow - cyclical.

CHART-9A: CYCLE OF ENERGY AND NUTRIENTS FLOW IN ECOSYSTEM

SUN

Producers ➔ Herbivores ➔ Carnivores

Nutrients in Soil & Water ➔ Decomposers

--- ➔ Direction of flow of energy – non-cyclical.

--- ➔ Direction of nutrients flow - cyclical.

CHART-9A: CYCLE OF ENERGY AND NUTRIENTS FLOW IN ECOSYSTEM

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Major Ecosystems of the Earth

Aquatic Ecosystem

- Fresh Water Ecosystem
- Estuarine Ecosystem
- Marine Ecosystem

Terrestrial Ecosystem

Types of Pollution

- Air Pollution
- Water Pollution
- Land Pollution/Degradation

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