

Time : 2-30 Hours]

[Max. Marks : 70

QUESTION – 1 Write the following	
1) Discuss the nature and scope of Climatology.	7
2) Discuss the effect of latitude , altitude, distance from sea and albedo on the distribution of temperature on the earth's surface .	7
OR	
3) Discuss in different layers of the atmosphere with a suitable diagram .	7
4) Explain the different types of rainfall with diagrams.	7
QUESTION – 2 Write the following	
1) Discuss Koppen's classification of climate.	7
2) Highlight the negative effects of cyclones. What precautions can be taken to minimise the destruction by cyclones?	7
OR	
3) What are the causes of global warming?	7
4) How is global warming effecting agriculture, fisheries and coral reef ?	7
QUESTION – 3 Write the following	
1) Write a note on the Physical Properties of the oceanic Water	7
2) Explain the chemical properties of the oceanic water.	7
OR	
3) What are the factors affecting the Horizontal and Vertical temperature distribution of Oceanic water?	7
4) the Thermocline, Halocline and Pycnocline lines with a diagram	7
QUESTION – 4 Write the following	
1) What is the meaning of 'Laws of Seas' and write the components and principles of the laws of the seas	7
2) How the marine resources play an important role in India's Economy	7
OR	
3) Define all oceanic zones in detail and write a note on marine organisms	7
4) What are the coral reefs and write the types of coral reefs?	7

QUESTION -5*MCQs Attempt any seven out of twelve.

Q1. Physical Properties of the ocean water.

- A) Salinity
- B) Temperature
- C) Density
- D) All of the above

Q2. A vertical zone in the oceanic water column in which salinity changes rapidly with depth.

- A) Thermocline
- B) Halocline
- C) Pycnocline
- D) Dycnocline

Q3. If the precipitation is high than salinity would be.

- A) High
- B) Low
- C) Moderate
- D) All of the above

Q4. Exclusive Economic Zone extends up to the.

- A) 200 nautical miles
- B) 100 nautical miles
- C) 1500 nautical miles
- D) 500 nautical miles

Q5. CZMPs stands for.

- A) Central Zone Management Programs
- B) Central Zone Marine Programs
- C) Coastal Zone Management Programs
- D) Coastal Zone Marine Programs

Q6. Maritime polar airmass is

- A) Warm and humid
- B) Warm and dry
- C) Cold and humid
- D) Cold and dry

Q.7 Ozone layer is present in

- A) Troposphere
- B) Stratosphere
- C) Mesosphere
- D) Thermosphere

Q 8. Equatorial zone is characterised by

- A) low pressure
- B) high pressure
- C) no rainfall
- D) low temperature

Q 9. Early atmosphere when it was being formed, was

- A) Anoxygenic
- B) full of oxygen
- C) having thick clouds
- D) having intense rainfall

Q 10. The small alphabet 'f' in Koppen's classification, denotes

- A) cold climate
- B) rainfall throughout the year
- C) dense forest
- D) droughts

Q 11. Maldives is affected by

- A) High food security
- B) rising sea levels
- C) high agricultural produce
- D) zero waste

Q12. Miocene period was between

- A) 25 to 11 MYBP
- B) 200 to 100 MYBP
- C) 700 MYBP
- D) 500 MYBP