



Doon University

BA(Hons)Geography 1st Sem

End-semester Exam- 2023-24 (Dec-23)

Paper code- GGC-101 Physical geography

**Total marks – 50
Time- 120 minutes**

Section- A

Multiple choice questions. Attempt all questions.

(10x1=10 marks)

Q-1 What is the primary driver of ocean currents?

- A. Salinity and temperature variation
- B. Earth's magnetic field
- C. Underwater volcanoes
- D. Moon's gravitational pull

Q-2 Which Ocean current is responsible for the relatively warm temperatures along the western coast of Europe?

- A. Labrador Current
- B. North Atlantic Drift
- C. Humboldt Current
- D. Kuroshio Current

Q-3 What factors contribute significantly to the variations in ocean salinity?

- A. Atmospheric pressure
- B. Earth's magnetic field
- C. River Discharge
- D. Tidal Force

Q-4 Which of the following is an example of an endogenetic force shaping Earth's surface?

- A. Wind erosion
- B. Glacial deposition
- C. Plate tectonics
- D. River meandering

Q-5 Exogenetic forces primarily involve:

- A. Internal heat processes
- B. External weathering and erosion
- C. Plate movements
- D. Ocean current formation

Q-6 The rainfed and rain shadow areas are characteristics of

- A. Cyclonic rainfall
- B. Convectional rainfall
- C. Thermal Rainfall
- D. Orographic rainfall



Q- 7 Match the list 1 with List 2 and select the correct answer

LIST-1	LIST-2
a. Cirrus	I. Towering vertical clouds
b. Nimbostratus	II. Rain Bearing clouds
c. Cumulus	III. Middle clouds
d. Cumulonimbus	IV. High clouds

Options:

Code	(a.)	(b.)	(c.)	(d.)
A.	II	I	IV	III
B.	IV	II	III	I
C.	IV	III	II	I
D.	I	II	III	IV

Q-8 The amount of visible radiation reflected by the earth is called as its _____.

- A. Albedo
- B. Scattering
- C. Refraction
- D. Dispersion

Q-9 _____ is a measure of the actual amount of water vapor in the air, regardless of the air's temperature.

- A. Relative humidity
- B. Absolute humidity
- C. Specific humidity
- D. None of the above

Q-10 In which direction trade winds blow in the northern Hemisphere?

- A. South- West
- B. North- East
- C. North-West
- D. North-South

Section – B

**(3x4=12 marks)
50-80 words**

Write short note on any (03) from the following:

- 1) What are the factors effecting ocean salinity.
- 2) Differentiate exogenic and endogenetic forces.
- 3) Name the erosional processes used by river to do erosion.
- 4) What is Harmattan
- 5) Temperature inversion
- 6) Components of ecosystem



Section – C

**(4x7=28 marks)
200-250 words**

Attempt any (4) long answer type questions from the following

Q-1: Explain in detail the planetesimal theory of the origin of the solar system and highlight its primary drawbacks?

Or

Critically evaluate the Geomorphic cycle of erosion with diagram?

Q-2: Describe the factors influencing the direction of ocean currents and explain world surface ocean currents

Or

Explain coral reefs and their types. What are the conditions required for corals to develop.

Q-3 Explain the tricellular meridional global wind circulation model in detail with diagram?

Or

Highlight the main characteristics of temperate cyclones? Explain their Origin and development through polar front theory?

Q-4 What are biomes? Give a reasoned account of the distribution of Equatorial Rainforest Biome and elaborate on its characteristics.

Or

Evaluate the Koppen's scheme of Climate Classification and highlight the key drawbacks of the scheme presented by Koppen?