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SUBJECT CODE NO: - BNP-2753**FACULTY OF SCIENCE AND TECHNOLOGY****B.Sc. (NEP) (P-2024) S.Y Sem III****Examination November / December 2025****Horticulture (Agricultural Meteorology)****[Time:1 Hour]****[Max. Marks:30]**

N. B

Please check whether you have got the right question paper.

- 1) Attempt all questions in Part A and any four in Part B
- 2) Draw Diagram wherever Necessary
- 3) Use Only blue or black pen for writing.

Part A

Q1 Attempt all five questions, 5x2=10 marks
Choose correct answer from Given Option

10

- 1) The Earth's three main spheres are:
a) Hydrosphere b) Lithosphere c) Atmosphere d) All of them
- 2) Which of the following is NOT a climatic zone classified by latitude?
a) Tropical b) Sub-tropical c) Temperate d) Desert
- 3) Plants that perform better under shaded conditions are called:
a) Heliophytes b) Hydrophytes c) Sciophytes d) Xerophytes
- 4) The process of heat transfer in liquids and gases due to movement of particles is:
a) Conduction b) Convection c) Radiation d) Advection
- 5) Which of the following is NOT an anthropogenic cause of climate change?
a) Urbanization b) Deforestation c) Orbital variation d) Industrialization

Part B

Choose Any Four Questions out of six-, 4x5=20 marks

20

- Q2** Define meteorology. Explain the importance of meteorology in crop production.
- Q3** What is diurnal and seasonal variation in soil temperature
- Q4** Explain origin and characteristics of Indian monsoon.
- Q5** Define evaporation, transpiration, and evapotranspiration.
- Q6** Name the vertical layers of the atmosphere based on temperature lapse rate
- Q7** Write a short note on ENSO and its effect on global climate.