



UNIVERSITY OF THE PUNJAB

B.A. / B.Sc. Part – II
Supplementary Examination - 2018

Roll No.

Subject: Space Science-II
PAPER: A (Atmospheric Physics and Space Science)

TIME ALLOWED: 3 Hrs.
MAX. MARKS: 75

Note: Attempt any FIVE questions. All questions carry equal marks.

- Q-1 Discuss density variation in Troposphere and tropopause?
- Q-2 Discuss diurnal variation of temperature with graph and inversion layer.
- Q-3 Explain the followings:
- a) Relative Humidity
 - b) Absolute Humidity
 - c) Specific Humidity
- Q-4 Discuss the properties of Orographic and Coastal clouds?
- Q-5 Discuss Fog, Mist and raindrop formation?
- Q-6 What are the different layers of an ionosphere and how it affects communication?
- Q-7 Give a detailed scientific note on satellite remote sensing?
- Q-8 What is the basic principle of a rocket. Differentiate between fuel, oxidizer and propellant?
- Q-9 How a satellite is safely injected into its orbit?