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PG CBCS
M.Sc. Semester-IV Examination, 2021
PHYSICS
PAPER: PHS 495D
PRACTICAL
(ASTROPHYSICS-II)

Full Marks: 50

Time: 2 Hours

Answer any TWO questions from the following:

25×2=50

1. Explain how with a small telescope, you may identify following objects
 - a) Moons of Mars, b) storm in Jupiter, c) rings and moons of Saturn, d) Orion nebula, e) Andromeda galaxy.
2. Explain how you can do polar alignment of an optical telescope.
3. Discuss how you can do measurement of period of a binary star system.
4. Describe how you can determine distance using Cepheid variables based on their light curves.
5. Describe how you can detect variation of solar radiation using two component radio interferometer.
6. Describe how you can do study of solar flares on Very Low Frequency signals using a standard transmitter signal.
