

25U209

(Pages: 2)

Name :

Reg. No :

SECOND SEMESTER UG DEGREE EXAMINATION, APRIL 2026

(FYUGP)

(Regular/Supplementary/Improvement)

CC24UPHY2FM106 - ASTRONOMY AND STARGAZING

(Physics - MDC)

(2024 Admission onwards)

Time: 1.5 Hours

Maximum : 50 Marks

Credit: 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Summarize Kepler's laws of planetary motion. [Level:2] [CO1]
2. Define Basalt and Anorthosite. [Level:1] [CO2]
3. What is meant by Sky Wanderer? Explain. [Level:2] [CO3]
4. Define Globular clusters. [Level:1] [CO4]
5. What is meant by Sun's path? Explain. [Level:2] [CO3]
6. Explain the terms zenith, celestial equator, horizon, and celestial poles in ancient astronomy. [Level:2] [CO1]
7. Explain the special words to describe places in the sky. [Level:2] [CO2]
8. What is meant by Solar eclipse? Explain. [Level:2] [CO3]
9. Name a few constellations located along the celestial equator. [Level:1] [CO4]
10. Describe the difference between a constellation and a galaxy. [Level:2] [CO4]

(Ceiling: 16 Marks)

Part B (Paragraph questions/Problem)

Answer *all* questions. Each question carries 6 marks.

11. Categorize the major astronomical models proposed in ancient times. [Level:2] [CO1]
12. Explain the different Phases of the Moon. [Level:2] [CO2]
13. What is meant by Other suns and their Solar Systems? Explain. [Level:1] [CO3]

14. Discuss how the stars help in navigation, especially in locating the North and South directions. [Level:2] [CO4]
15. Explain Terrestrial, Jovian Planets and Small Solar System Bodies (SSSBs). [Level:2] [CO3]
- (Ceiling: 24 Marks)**

Part C (Essay questions)

Answer any ***one*** question. The question carries 10 marks.

16. Describe the vast expanse of the universe and the various celestial bodies within it. [Level:2] [CO1]
17. Make a short note on Lunar Eclipse. [Level:3] [CO2]
- (1 × 10 = 10 Marks)**
