

QP CODE: D2BPH2504		Reg. No :
		Name :
Second Semester (FYUGP) Degree Examination April 2026 (Regular/Improvement/Supplementary) Multi-Disciplinary Courses (MDC) PHY2FM106 : Astronomy and Stargazing (Credits: 3)		
Time: 1.5 Hours		Maximum Marks: 50
Section A. Answer the following questions. Each carries 2 marks (Ceiling: 16 marks)		
1. What are exploding stars?	BL1	CO3
2. What is ecliptic?	BL1	CO3
3. What are Craters? How is it formed?	BL2	CO4
4. What does it mean by Bortle class measurement of darkness?	BL2	CO6
5. What are space probes and interstellar spacecraft?	BL2	CO4
6. Point out the differences between a Kuiper belt and an asteroid belt.	BL2	CO4
7. Differentiate between Photosphere and Prominences.	BL2	CO4
8. Write any four characteristic features of Sun	BL2	CO4
9. What is the name of the 12 constellations located along the middle of the celestial sphere?	BL2	CO4
10. What is red giant?	BL2	CO5
Section B. Answer the following questions. Each carries 6 marks (Ceiling: 24 Marks)		
11. Write a brief note on the contributions of Hipparchus in astronomy.	BL1	CO1
12. What are the limitations of a refracting telescope?	BL2	CO4
13. Explain in detail the phases of the moon	BL2	CO4
14. What are comets. What are their features?	BL1	CO1
15. What is the name of North Star? Why is it so important?	BL2	CO2
Section C. Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)		
16. Draw the schematic of reflecting and refracting telescope.	BL1	CO3
17. Explain Rashis and Nakshathras? Give examples for each.	BL2	CO2
CO : Course Outcome BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)		