



K23U 2569

Reg. No. :

Name :

V Semester B.A./B.A. Afsal-UI-Ulama/B.Sc./B.Com./B.T.T.M./B.B.A./
B.B.A-T.T.M./B.B.A.-A.H./B.C.A./B.S.W./B.M.M.C. Degree (CBCSS-OBE-
Regular/Supplementary/Improvement) Examination, November 2023
(2019 – 2021 Admissions)
Generic Elective Course
5D 04 PHY : JOY OF STAR WATCHING

Time : 2 Hours

Max. Marks : 20

PART – A

Answer **all** questions. **Each** carries **1** mark.

1. Give the name of the star Alpha Canis Majoris.
2. What is the image of Sagittarius constellation in Indian astronomy ?
3. Why can't we see the complete spiral structure of Milky way ?
4. Name the constellation in which the Pleiades star cluster belongs to.
5. Telescopes are not useful to view the constellations. Why ?
6. What is ecliptic ?

(6×1=6)

PART – B

Answer **any four** questions. **Each** carries **2** marks.

7. Write a note on the Taurus constellation.
8. What are white dwarf and neutron star ?
9. What is a main sequence star ?
10. Draw the Orion constellation connecting the 7 main stars and mark the location of M32 nebula.
11. The power of a binoculars is expressed as 8x30. What do these numbers represent ?
12. What are the pros and cons of altazimuth mount over equatorial mount ? (4×2=8)

PART – C

Answer **any one** question. **Each** carries **6** marks.

13. Discuss the observational evidences which support Big Bang theory.
14. Write brief notes on the following in the context of Kerala astronomy.
 - i) Navagrahas
 - ii) Njattuvela
 - iii) Janmanakshatra.

(1×6=6)