



K17U 1834

Reg. No. : .....

Name : .....

V Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.A.R.T.M./B.B.M./  
B.T.T.M./B.C.A./B.S.W./B.A. Afsal-UI-Ulama Degree (CBCSS – Reg./Sup./Imp.)

Examination, November 2017

(2014 Admission Onwards)

OPEN COURSE

5D01 PHY (B) : Joy of Star Watching

Time : 2 Hours

Max. Marks : 20

*Instruction : Write answers in English only.*

SECTION – A

Very short answer type. **All** questions to be answered . **Each** question carries 1 mark :

1. The study of the origin, structure and future of the universe is called \_\_\_\_\_
2. How long ago did the Big Bang occur ?
3. What is the Unit used to express distance between stars ?
4. What is Chandrasekhar Limit ?
5. The closest star system to our sun. (5×1=5)

SECTION – B

Short answer type. **Three** questions to be answered. **Each** question carries 2 marks :

6. Write a note on Ursa Major.
7. Name the 13 'Stars of the Zodiac'.
8. Differentiate between Astrology and Astronomy.
9. Explain what is supernova.
10. Describe the 'Zodiac Constellations' in Kerala culture. (3×2=6)

P.T.O.



SECTION – C

Short essay/problem type. **Three** questions to be answered. **Each** question carries **3** marks :

11. Explain the Big Bang Theory of evolution of the Universe.
  12. Explain the division of the sky into different constellations.
  13. Draw the structure of Milky Way Galaxy and mark the position of sun. Describe the characteristics of our Galaxy.
  14. Describe the formation of comets.
  15. Describe how polar star is detected starting from Orion Constellation. **(3×3=9)**
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