



K20U 1688

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/B.B.A.(AH) Degree
(CBCSS – Reg./Sup./Imp.) Examination, November 2020
(2014 Admn. Onwards)
Open Course
5D01PHY (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. What is the name of the star that is the brightest in the sky ?
2. What is the unit used to express distance between stars ?
3. Name nearest major galaxy to the Milky Way.
4. The Comet known as Halley's Comet has an average period of _____.
5. The study of the origin and evolution of the universe is known as _____.

(5×1=5)

SECTION – B

(Short answer type – **three** questions to be answered. **Each** question carries **2** marks.)

6. Briefly discuss about the formation of Comets.
7. Describe the 'Zodiac Constellations' in Kerala culture.
8. Draw the structure of milky way.
9. What is Chandrashekhar Limit ?
10. Explain what is supernova.

(3×2=6)

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SECTION – C

(Short essay/problem type – **three** questions to be answered. **Each** question carries **3** marks.)

11. What is pole star ? How can we locate the pole star starting from Orion ?
 12. Explain the Big Bang Theory of evolution of the Universe.
 13. Explain the Orion and Taurus constellations with proper diagram.
 14. Explain the life cycle of a star.
 15. What are the precautions to be taken to watch sky properly ? **(3×3=9)**
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