Reg. No. :			
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Question Paper Code: 1104394

B.E. / B.Tech. DEGREE EXAMINATIONS, NOV / DEC 2024 Fourth Semester Aerospace Engineering U20AS404 - SPACE SCIENCE (Regulation 2020)

Time: Three Hours Maximum: 100 Marks

Answer ALL questions

 $PART - A \qquad (10 \times 2 = 20 \text{ Marks})$

- 1. What is meant by debris?
- 2. Define Newton's law of gravitation.
- 3. Define Hubble's law.
- 4. Define dark energy.
- 5. What is Kuiper Belt?
- 6. Explain about "Population I" Stars in galaxy.
- 7. Define Chandrasekhar limit.
- 8. Infer about binary star.
- 9. Summarize Kepler's law of planetary motion.
- 10. Infer about asteroids.

(OR)

(OR)

---- XXX -----

Describe about the comets, meteoroids and satellites of a solar system.

Explain about Bode's law. Which planets do not fit into it? Why?

Inference about the luminosity of star. How it can be related with size of a star?

(16)

(16)

(16)

(b)

15. (a)

(b)

Explain with an example.