1. The H-R diagrams and starts’ locations and characteristics.
2. The triple-alpha process.
3. Mass-luminosity relation.
4. Deduce Star’s characteristics using star’s names.
5. The Crab Nebula.
6. Type I and II of supernovae.
7. Tracers of the spiral tracers.
8. Opacity.
9. The degenerate matter.
10. The traditional theory of galaxy formation.
11. Nucleosynthesis.
12. The binary star system.
13. Galaxy structure.
14. The Chandrasekhar.
15. The interstellar material.
16. Milky-way age.
17. Parallax.
18. The carbon-nitrogen-oxygen cycle.