Name:

Astronomy 2010: Example First Section of Final Chapters 23-28+Update
Real Final date 4 May 1999
Each question is worth 2 points.


2. What is the Event Horizon?

3. How do we detect the presence of a black hole?

4. Who first realized that the Milky Way was a bunch of very feint stars?

5. How big across is the Milky Way?

6. Describe what Population I and Population II stars are.
7. What observation of the Milky Way tells us that it contains Dark Matter?

8. How do we think the Milky Way formed?

9. Describe an elliptical galaxy.

10. Describe an irregular galaxy.

11. What observation of Hubble's tells us that the universe is expanding?

12. What is a quasar?

13. How do we explain the various types of Active Galactic Nuclei if we think they are all powered by black holes?
14. What is gravitational lensing?

15. What is the Cosmological Principle?

16. What is the next structure in the universe bigger than a galaxy?

17. What are the two models for the formation of galaxies and larger structures?

18. What is a MACHO?

19. Why does the expanding universe imply the Big Bang?

20. What are the possibilities for the geometry of the universe?
21. What determines if the universe will end in the Big Crunch or the the Big Chill?

22. What do we thing were the first things to break free from the Big Bang?

23. How long after the Big Bang do we think nuclei formed?

24. How long after the Big Bang do we think the universe became transparent to EM radiation?

25. What were the important observations of the COBE satellite?