

**FOURTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION
MAY 2014****(UG-CCSS)****Common Course****A 06 HISTORY AND PHILOSOPHY OF SCIENCE****(2009 – 2011 Admissions)****Time : Three Hours****Maximum : 30 Weightage****I. Answer the following bunches of questions****(A) 1. The circumference of the Earth as calculated by Eratosthenes was**

- (a) Near accurate. (b) Very below the real value.**
(c) Far above the actual. (d) Ten times actual.

2. What was the chief concern of Neolithic 'community'?

- (a) Crops. (b) Fire.**
(c) Animals. (d) Not known.

3. Who invented gun powder ?

- (a) The Chinese. (b) The Egyptians.**
(c) Indians. (d) Arabs.

4. Who took the concept of Zero to the West ?

- (a) The Chinese. (b) Sumerians.**
(c) Arabs. (d) Indians.

(B) Fill in the blanks**5. The Yellow river is situated in**

- (a) China. (b) Egypt.**
(c) Japan. (d) None of these.

6. Democritus is considered as the father of

- (a) Greek atomism. (b) Scientism.**
(c) Technologism. (d) None of these.

7. _____ is a Greek man of Science.
- (a) Thomas Aquinas. (b) Hippocrates.
(c) Thales. (d) Both (b) and (c)
8. _____ is a scientist who was killed in the name of science.
- (a) Bruno. (b) Newton.
(c) Galileo. (d) Planck.

(C) Answer in a word

9. Who among the following is a known figure in astronomy?
- (a) Thales. (b) Anaximander.
(c) Plato. (d) Aryabhatta.
10. Ayurveda is part of which of the following?
- (a) Rigveda. (c) Atharvaveda.
(c) Samaveda. (d) Yajurveda.
11. Whose contributions challenged the assumptions of Newtonian physics?
- (a) Einstein. (b) Galileo.
(c) Boyle. (d) None of these.
12. Pick out of the person who contributed to literature as well as science?
- (a) Francis Bacon. (b) Newton.
(c) Copernicus. (d) None of these.

(3 x 1= 3 weightage)

II. Answer each of the following questions in two *or* three sentences :

13. What was the contribution of Thales?
14. What is Robert Hook known for?
15. What is Bruno associated with ?
16. What is Biotechnology?
17. Define Scientism.
18. What is Copernicus remembered for?
19. What is the famous statement of Descartes?
20. Mention any *two* philosophers of Science.
21. How is Nanotechnology useful?

(9 x 1= 9 weightage)

III. Answer *five* of the following questions in a paragraph of 100 words

22. Julian Calendar,

23. Scientific temper.

24. Pseudoscience.

25. Important features of early Chinese civilization.

26. Pyramids,

27. Sexism in Science.

28. Newton,

(5 × 2 = 10 weightage)

IV. Answer any *two* of the following questions in 300 words

29. Compare Neolithic and Paleolithic age.

30. The challenges Science faced in the Middle Ages.

31. Write an essay on the philosophy of Science.

(2 × 4 = 8 weightage)