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Name..... 02

Reg. No.....

**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.

Turn over

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) Aryabhata.

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 × 1 = 3 weight)

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 × 1 = 9 weight)

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)