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Name.....

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Reg. No.....

**FOURTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION
MAY 2014**

(UG-CCSS)

Common Course

A 06 – HISTORY AND PHILOSOPHY OF SCIENCE

(2012 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer the three bunches of questions as directed :

(A) Fill in the blanks choosing options given :

(Mr. Cremona, Gaston Bachelard, Frances Lucy Wightman, Paul Tannery, Snow)

1. 'This polarization is a sheer loss to us all' is a statement by _____.
2. 'Ah, love, let us be true' is uttered to _____.
3. _____ still knew that a boy should listen to his mother.
4. 'When a civilization declines, ignorance invades minds' is from _____.

(B) Choose the correct answer from the options given in brackets :

(Pylons, Ignorant armies, Bernal, Dover Beach, Elliot, Ziman)

5. Who clashes by night?
6. Which is Stephen Spender's poem on changing English countryside?
7. Which poem refers to the Sea of Faith?
8. Pick out the English professor.

(C) Match the following taking clues from the brackets :

(The Asiatic Society, Alfred Snow, Paul Tannery, Mendel, Einstein)

9. Synthesis, etymologically, would be identical to composition.
10. His last surviving brother died.
11. The Course on History of Science.
12. Remember these are very intelligent men.

(3 × 1 = 3 weightage)

Turn over

II. Answer in a sentence or two all the *nine* questions :

13. What is necessary to maintain interest for scientific culture?
14. Which countries have a much earlier history of scientific activities than Europe?
15. How was the name of Professor Bunsen immortalized?
16. What is the greatest practical benefit of modern day inventions?
17. How does Ziman differentiate poetry from Science?
18. How does Snow introduce himself?
19. What is the danger about number 2?
20. What did Sophocles hear long ago?
21. Who is Gerard Cremona?

(9 × 1 = 9 weight)

III. Answer any *five* questions out of seven in a paragraph each :

22. The 'gun powder experience'.
23. Conflict between science and religion reflected in *Dover Beach*'.
24. Two cultures.
25. The study of heredity.
26. Technology and human future.
27. Professor Jones.
28. The Institution of the Nobel Prize.

(5 × 2 = 10 weight)

IV. Answer any *two* out of the three in about 300 words :

29. Write an essay on Alfred Nobel's life and contributions.
30. How does Einstein see the world?
31. Paul Tannery's observations about general history of sciences.

(2 × 4 = 8 weight)