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(Pages : 2)

Name.....

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Reg. No.....

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2014

(UG-CCSS)

Common Course

A06—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 :

(Bilderbeck, Susheel Kumar Mukharjee, M. Berthelot, JN Mukherjee, Gaston Bachelard, Paul Tannery).

- 1 "General History of Sciences" is an essay written by _____.
- 2 Whose work does Paul Tannery call "original research" in origins of alchemy?
- 3 Whose statement : When a civilization declines, ignorance invades minds.
- 4 _____ taught Raman's English.

B. Choose the correct answer from the options given in brackets :

(Bertrand Russell, Snow, T.S. Eliot, Einstein, Mendel).

- 5 Attempts to revive Verse Drama.
- 6 The Two Cultures
- 7 Study of human civilization.
- 8 Revolutionized the study of heredity.

C. Match the following taking clues from the brackets :

(Narasimacharya, Bertha von Suttner, JM Ziman, M. Rangacharya).

- | | |
|-------------------------|--------------------------|
| 9 Sanskrit (New Style). | 10 Sanskrit (Old Style). |
| 11 Lay Down Arms. | 12 Public Knowledge. |

(12 × ¼ = 3 weightage)

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

- 13 Comment on the phrase 'a merchant of death'.
- 14 How does science affect human affairs?
- 15 What is the goal of science?
- 16 What is the comment on Nordics ?

Turn over

- 17 Why does Snow say that number 2 is a very dangerous number ?
- 18 What does "the sea of faith" symbolize ?
- 19 What did Sophocles hear long ago ?
- 20 What is the attitude of the speaker towards pylons ?
- 21 Who visited Gerard Cremona at the work station ?

(9 × 1 = 9 weight)

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

- 22 Distinguish general history from special history.
- 23 The Gunpowder experience.
- 24 The intolerance of scientists and artists
- 25 Einstein's view of life.
- 26 Raman's comments on the drama *The Tempest*.
- 27 The mother "My Son, the Physicist".
- 28 The theme of the poem "Dover Beach".

(5 × 2 = 10 weight)

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

- 29 Write an essay on the significance of the History of Science.
- 30 Give a short account of Alfred Nobel's life and achievements.
- 31 Russell's observations on scientists.

(2 × 4 = 8 weight)