

Reg.

THIRD SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2013

(U.G.-CCSS)

[Common Course]

A 06—HISTORY AND PHILOSOPHY OF SCIENCE

[2012 Admission]

Time Three Hours

Maximum : 30 Weightage

I. Answer *the three* bunches of questions as directed :

A. Fill in the blanks choosing options given :

(Sushil Kumar Mukherjee, Berthelot, Dr. D.H. Wilson, Gaston Bachelard)

1. *The New Scientific Mind* is a work by
2. Who is the founder president of the West Bengal Academy of Science and Technology ?
3. Who wrote in the origins of alchemy ?
4. was Raman's teacher of Chemistry.

13. Choose the correct answer from the options given in brackets

(Bertrand Russell, Nordics, Immanuel Nobel, Anthropology,)

5. The Merchant of Death.
6. Nobel prize for literature.
7. Study of human civilization.
8. Highly professional.

C. Match the following taking clues from the brackets :

(Bertha von Suttner, Alfred Nobel, J.M. Ziman, Mendel)

9. Chaplinesque childhood.
10. Science is public knowledge.

11. Lay *Down Your Arms*.
12. The science of heredity.

(3 x 1 = 3 Weightage)

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

13. What are the limitations of a scholar as a historian of science ?
14. What did E.H. Elliot ask Raman in the first class ?
15. What does Einstein remind himself a hundred time every day
16. How does Einstein explain his political ideal ?
17. What are the two ways in which science influences human mind ?
18. How does J.M. Ziman differentiate poetry from sciences ?
19. What are pylons ?
20. What do non-scientists think of scientists according to Snow
21. What is the popular definition of science ?

(9 x 1 = 9 Weightage)

III. Answer any *five* questions out of 7 *in* a paragraph each

22. Bernal's criticism of Capitalism.
23. Significance of the poem 'Dover Beach'.
24. What is wrong with the statement 'Science is the mastery of Man's environment' ?
25. What was the story attributed to A.L. Smith ?
26. Raman's appearance and dress as a college student.
27. The son in 'My Son, the Physicist'.
28. The attitude of the speaker of the poem to 'Pylons'.

(5 x 2 = 10 Weightage)

| Answer of three given in about 300 words

29. V the observations made by Gaston on actuality of
Sciences?

| Alfred Nobel's life and contributions.

31, on Kim scientists.

(2 × eightage)