

B.A./B.Sc./B.Com. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2016**Fourth Semester**

Common Course—English

EVOLUTION OF THE PHILOSOPHY OF SCIENCE—LITERARY PERSPECTIVES

[For Model I B.A./B.Sc., Model II B.A./B.Sc./B.Com. and Model III B.A. English Literature and Communication Studies (Two Main) Programmes]

(2013 Admission onwards)

Time : Three Hours

Maximum Marks : 80

Part A*Answer all the questions, each in a sentence or two.*

1. What does Orwell say about German scientists during the regime of the Nazis ?
2. Why does Durant say that natural man formulates no Physics, but merely practices it ?
3. How does Rontgen's discovery of X-rays differ from Planck's Quantum Mechanics ?
4. How does Huxley define Science ?
5. Why is it necessary to make some connections between literature and the sun ?
6. What is Desmond Morris attitude towards all diet fascists and health police ?
7. What did the pale man see through the microscope ?
8. What is the opening situation of the play "The Last War" ?
9. What is the green message that the grass give us in the poem "Hiroshima Remembered" ?
10. Comment on the concluding line of the poem "Your Attention Please" ?

(10 × 1 = 10)

Part B*Answer in about 50 words any eight of the following.*

11. How did the primitive doctors approach diseases ?
12. How does Sagan describe the life of the human ancestors after their descent from the trees ?
13. How does Huxley differentiate between the perspectives of a man of letters and a man of Science ?
14. How does the narrator describe the game of chess between Moxon and his antagonist ?
15. What were the contents of EPICAC's suicidal note ?

Turn over

16. What does Jim Microbe say about his life in the laboratory ?
17. What are Panacea's arguments against consumerism ?
18. Comment on the relevance of the Actaeon myth.
19. How does the lover hope to see the molecular make-up of lies and deceits in his beloved in the poem "Once I looked into Your Eyes" ?
20. Comment on the poet's use of black humour in the poem "Your Attention Please".
21. How does updike describe the behaviour of the neutrons ?
22. What made Sir. John McPherson ask Dr. James Forsythe not to publish the article on celestial mechanics ?

(8 × 2 = 16)

Part C

Answer any six of the following questions, in about 100 words each.

23. How does Orwell react to the statement that "Science is international" ?
24. When does the world accept new theoretical ideas ?
25. What is the major difference between biological community and human community with regard to the use and transfer of energy ?
26. How did the bacteriologist react when the anarchist told him that he had drunk the contents of the tube ?
27. How do the animals evaluate mankind in 'The Last War' ?
28. What is the poet's exhortation to the brave peasants in 'Hiroshima Remembered' ?
29. How does Belloc describe the features of the microbe ?
30. What were the reactions of the scissors, needles, nails and knives when they came to know of the foolish fancy of the magnet ?
31. How does a man of science relate to nature ?

(6 × 4 = 24)

Part D

Answer any two, in essay form, not exceeding 300 words each.

32. Attempt a critical analysis of the poem "Your Attention Please" with special emphasis on irony and humour.
33. Trace the story of man in "The Last War", bringing out its moral.
34. How does Wells combine the serious and the ridiculous in "The Stolen Bacillus" ?
35. How does Hawking look at the question of a unified theory to describe the universe ?

(2 × 15 = 30)