



M 10016

Reg. No. : .....

Name : .....



**IV Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M/B.B.M./B.C.A./B.S.W.  
(CCSS-Regular) Degree Examination, March 2011  
ENGLISH (COMMON COURSE)  
4A06 ENG : History and Philosophy of Science**

Time : 3 Hours

Max. Weightage : 30

I. Write an essay of about **200** words in answer to **any one** of the following.

1. Will Durant's observations on the origin of science.
2. The life, achievements and death of Archimedes.

(Weightage 4)

II. Write an essay of about **200** words on **any one** of the following.

3. Narrate the story of the Brad, the farmer, in your own words.
4. India's contribution to Mathematics, as Nehru sees it.

(Weightage 4)

III. Write a paragraph **each** of **80** words on **any six** of the following.

5. The life of our human ancestors after descending from the trees.
6. The homely example of Domino and scientific thinking.
7. The uses of Benzene.
8. Robin Cook's novel *Coma*.
9. Galileo's claim and the response of the others to the telescope.
10. The teaching methods of Anandi's husband.
11. The curious findings about nature by Renee and her associates at CES.

12. Anandibai's death.

(Weightage 6×2=12)

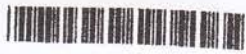
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IV. Answer the four bunches of **four** questions **each** given below.

- 13) A) Giant squirrels are found in the remote, dense forests of  
a) Miami  
b) Mumbai  
c) Parts of Karnataka and Maharashtra  
d) None of these
- B) Anandibai used to address Mrs. Carpenter as *Mavashi* and it meant  
a) elder sister  
b) aunt  
c) younger sister  
d) mother-in-law
- C) The main interest of the farmer in the poem *Star Splitter* was  
a) bird-watching  
b) hugger-mugger farming  
c) burning houses  
d) star watching
- D) Astronomy stood still because  
a) Galileo was not born  
b) there was no telescope for the early astronomers  
c) such use of telescope was not allowed  
d) all these
- 14) A) Benzene is  
a) useful  
b) harmful  
c) both useful and harmful  
d) invisible
- B) Syracuse was the name of  
a) the Emperor  
b) a university  
c) the native town of Archimedes  
d) none of these
- C) In the order of scientific method *prediction* comes  
a) after observation  
b) before observation  
c) after experiment  
d) after hypothesis
- D) Herbert Spencer is of the opinion that science originated in  
a) agriculture  
b) schools  
c) astronomical observations  
d) none of these
- 15) A) The maximum number of bees were attracted to  
a) pandanus  
b) kadamba  
c) kutaja  
d) jasmine





- B) Anandi Bai died at the age of
  - a) 34
  - b) 22
  - c) 24
  - d) 25
- C) What did Brad do to his house ?
  - a) sold it
  - b) burned it down
  - c) renovated it
  - d) let it out.
- D) The main interest of the Curator regarding the telescope is
  - a) fame
  - b) benefit to mankind
  - c) financial gain
  - d) love for Galileo.
- 16) A) *Lilavati* was written by
  - a) Bhaskara I
  - b) Bhaskara II
  - c) Aryabhata
  - d) S Ramanujam
- B) Kekule' was
  - a) a writer
  - b) an artist
  - c) a Germanchemist
  - d) a politician
- C) Domino, mentioned in *The Method of Science* is a
  - a) dish
  - b) game
  - c) dog
  - d) mavnine
- D) The Polynesians had a calendar of
  - a) 12 months
  - b) 13 months
  - c) 10 months
  - d) 8 months

(Weightage 4×1=4)

V. Answer **any six** of the questions below, **each** in a sentence or two :

- 17) In what way did the destruction of dinosaurs affect the mammals ?
- 18) Who were the first doctors on this planet ?
- 19) Explain the term *hypothesis*.
- 20) Who wrote the poem *Benzene* ?
- 21) What principle, according to Datzig, assumes the importance of a world event ?
- 22) What disease did Anandi suffer from ?
- 23) In what name was Rafuta Indica commonly known ?
- 24) Why did the number *twelve* become a favourite ?

(Weightage 6×1=6)