



K17U 0708

Reg. No. :

Name :

IV Semester B.A./B.Sc. Degree (CCSS – Supple./Imp.)

Examination, May 2017

(2013 & Earlier Adms.)

COMMON COURSE IN ENGLISH

4A06ENG : History and Philosophy of Science

Time : 3 Hours

Weightage : 30

I. Answer **one** of the following in about **200** words.

1) The story of human adaptation on earth, according to Carl Sagan.

2) Explain what scientific method and how this concept is formed ? (1×4=4)

II. Answer **one** of the following in about **200** words.

3) Give an account of the prominent Indian Mathematicians and their contributions, according to Nehru.

4) How do you look at the autobiographical account of Renee as a woman in science ? (1×4=4)

III. Answer **any six** of the following in **80** words.

5) How does Sagan explain the great climatic changes ?

6) Devastation of Rome.

7) Postdoctoral work of Renee M Borges.

8) Robin Cook and his book *Coma*.

9) How is benzene useful ?

10) Virginia.

11) Comment on the structural and stylistic features of the poem "The Star Splitter".

12) The significance of Anandibai. (6×2=12)

P.T.O.

IV. Answer the **four** following bunches of questions.

13) A) What wiped out the dinosaurs ?

- a) The tree shrews b) The mammals
c) Cosmic catastrophe d) The lizards

B) *Lilavati* was written by

- a) Bhaskara I b) S. Ramanujan c) Arya Bhatta d) Bhaskara II

C) What was the discovery mentioned in *Galileo*?

- a) Stars b) Telescope c) Arsenal d) Scudi

D) Observation is

- a) Seeing and hearing a problem b) Feeling and tasting a pattern
c) Both a and b d) None of these

14) A) In the order of scientific method, prediction comes

- a) after observation b) after hypothesis
c) after experiment d) before observation

B) Who was the King served by Archimedes ?

- a) Hieron b) Marcellus c) Heron d) Syracuse

C) Thoreu advocated

- a) Industrialization b) Urban Life
c) Technology d) Life in Nature

D) Archimedes was a student of

- a) Euclid b) Teachers of Euclidean Orientation
c) Galileo d) Aristotle

15) A) What is Orion ?

- a) A star b) A constellation c) A satellite d) None of these

B) Anandi died at the age of

- a) 34 b) 22 c) 23 d) 25

C) What were thundering across the earth ?

- a) Shrews b) Moles c) Dinosaur d) Human beings

D) Which flower attracted more bees ?

- a) Kadamba b) Kutaja c) Jasmine d) Plantain flower



- 16) A) Nehru wrote
a) *The Discovery of India* b) *Glimpses of World History*
c) *An Autobiography* d) All of these
- B) Who was Ludovico ?
a) A rich young man b) Student of Galileo
c) Inventor d) None of these
- C) What is called a blame thing in "The Star Splitter" ?
a) Telescope b) Farming c) Insurance d) House
- D) Who would not exchange two sheep for four sticks at a time ?
a) Damara natives b) Guaranis
c) Tansanians d) Tasmanians (4×1=4)

V. Answer **any six** of the following short questions.

- 17) What are Sagan's observations on radio communication ?
- 18) What is hugger-mugger farming ?
- 19) Why did the number 'twelve' become a favourite ?
- 20) Where did Archimedes live ?
- 21) Define hypothesis.
- 22) What was the advantage of telescope in a war ?
- 23) What is an Olfactometer experiment ?
- 24) What subjects and did Anandi discuss with Mrs. Carpenter ? (6×1=6)
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