



M 8403

Reg. No. :

Name :

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

Examination, May 2015

COMMON COURSE IN ENGLISH

4A06 ENG : History and Philosophy of Science

Time : 3 Hours

Max. Weightage : 30

I. Attempt **any one** in **200** words : (1×4=4)

- 1) Brief account of the inventions of Archimedes.
- 2) Durant's observations on the origin of science.

II. Attempt **any one** in **200** words : (1×4=4)

- 3) Comment on the title of the poem 'The Star Splitter'.
- 4) Brief account of the prominent Indian mathematicians and their contributions.

III. Answer **any 6** in **80** words : (6×2=12)

- 5) The end of Archimedes
- 6) Benzene as a parody of Tiger
- 7) Extra-terrestrial life
- 8) Humayun Abdulali
- 9) The duo-decimal system
- 10) Anandi as the first woman doctor
- 11) Orion
- 12) The telescope.

P.T.O.



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

(4×1=4)

- 13) a) The branch of pure mathematics dealing with the theory of numerical calculations.
(Geometry, Algebra, Arithmetic, Logarithm)
- b) _____ is a constellation on the equator to the east of Taurus.
(Quicksilver, Mercury, Orion, Globule)
- c) Which flower attracted more bees ?
(Kadmaba, Kutaja, Jasmine, Plantain flower)
- d) Renee Borges in a strong behaviourism _____
(instinct, intellect, emotion, bees)
- 14) a) What were thundering across the earth ?
(shrews, moles, dinosaurs, human beings)
- b) Thoreau advocated _____
(industrialization, carbonization, technology, life in nature)
- c) Arabic word for a number is _____
(Hind, Dantzig, Hindsah, Severus Sebokht)
- d) Archimedes studied in _____
(Rome, Venice, Cyrus, Alexandria)
- 15) a) Robert Frost is a _____ poet.
(London, English, New England, New Zealand)
- b) Gurahe means _____
(I Know it, I don't know it, I've found it, I have not found it)
- c) A group of warships organized as a tactical units is _____
(vessels, fleet, on board, rig)
- d) The smallest Australian state is _____
(Sydney, Tasmania, Queensland, None of these)
- 16) a) Quick silver is _____
(Potassium, Magnesium, Mercury, Uranium)
- b) Anandi died at the age of _____
(34, 22, 23, 25)



- c) Zero was invented by
(Arabs, Greeks, Romans, Indians)
- d) Benzene is written by _____
(Burns, Blake, Board, Robert Frost)

V. Attempt **six** short questions out of **eight** : **(6×1=6)**

- 17) Define hypothesis.
- 18) What did Brad do to buy a telescope ?
- 19) What was the logic of Anandi's research ?
- 20) What is smog ?
- 21) Who is Domino ?
- 22) When did Archimedes die ?
- 23) Why is Benzene called aromatic ?
- 24) What is hugger-mugger farming ?