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M 656

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./  
B.A. Afsal UI Ulama Degree (CCSS – Reg./Supple./Improv.)  
Examination, April 2012  
COMMON COURSE IN ENGLISH (For B.A./B.Sc.)  
4A06 ENG : History and Philosophy of Science

Time: 3 Hours

Max. Weightage : 30

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

- 1) Give a brief account of the inventions of Archimedes.
- 2) What are Will Durant's observations on the origin of science ? **(1×4=4)**

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

- 3) How do you look at the autobiographical account of Renee as a woman in science ?
- 4) Write on the life, hardships and death of the first woman doctor in India. **(1×4=4)**

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

- 5) The extinction of dinosaurs and the evolution of human beings.
- 6) The duo decimal system.
- 7) Salim Ali.
- 8) Indian numerals and zero.
- 9) How is benzene useful ?
- 10) Ludovico.
- 11) Comment on the structural and stylistic features of the poem "The Star Splitter".
- 12) Anandi's education in America. **(6×2=12)**

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

- 13) A) Who was the king served by Archimedes ?  
a) Hieron                      b) Marcellus                      c) Heron                      d) Syracuse
- B) What is called a blame thing in "The Star Splitter" ?  
a) Telescope                      b) Farming                      c) Insurance                      d) House

P.T.O.



- C) Eureka means
- a) I know it
  - b) I have found it
  - c) I lost it
  - d) None of these
- D) What is arboreal life ?
- a) Life on the tree
  - b) Life in caves
  - c) Life underground
  - d) Life in water
- 14) A) *Stree Purusha Tulana* was written by
- a) Tarabai Shinde
  - b) Pandita Ramabai
  - c) Anandi
  - d) Mrs. Carpenter
- B) Thinking like a scientist requires \_\_\_\_\_
- a) Incredibly precise logic
  - b) Highly sophisticated logic
  - c) Other worldly logic
  - d) None of these
- C) 'Mavashi' means
- a) Elder Sister
  - b) Aunt
  - c) Younger Sister
  - d) Brother-in-law
- D) Thoreu advocated
- a) Industrialization
  - b) Urban life
  - c) Technology
  - d) Life in nature
- 15) A) Zero was invented by
- a) Indians
  - b) Syrians
  - c) Arabs
  - d) Greeks
- B) What were thundering across the earth ?
- a) Shrews
  - b) Moles
  - c) Dinosaur
  - d) Human beings
- C) Which flower attracted more bees ?
- a) Kadamba
  - b) Kutaja
  - c) Jasmine
  - d) Plantain flower
- D) *Lilavati* was written by
- a) Bhaskara I
  - b) S. Ramanujan
  - c) Arya Bhatta
  - d) Bhaskara II



- 16) A) Name the scientist mentioned in the poem "Benzene".  
a) Kekule                      B) Faraday                      c) Both of them                      d) None of these
- B) The poem "Benzene" is a parody of  
a) "The Lamb"                      b) "The Daffodils"  
c) "The Tiger"                      d) "The Solitary Reaper"
- C) Who would not exchange two sheep for four sticks at a time ?  
a) Damara natives                      b) Guaranis  
c) Tansanians                      d) Tasmanians
- D) What was the discovery mentioned in *Galileo*?  
a) Stars                      b) Telescope                      c) Arsenal                      d) Scudi                      (4×1=4)

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

- 17) What is magic-mongering ?
- 18) What is hugger-mugger farming ?
- 19) Why did the number 'thirteen' remain disreputable and unlucky ?
- 20) Where did Archimedes live ?
- 21) Why is benzene called aromatic ?
- 22) Who is Galileo's friend in Brecht's drama ?
- 23) What is an Olfactometer experiment ?
- 24) On what condition did Gopalrao marry ?                      (6×1=6)