

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2004-05 & thereafter)

SUBJECT CODE: **HS/MO/ST54**

B.A DEGREE EXAMINATION NOVEMBER 2007
BRANCH I-HISTORY
FIFTH SEMESTER

COURSE : **MAJOR OPTIONAL**
PAPER : **HISTORY OF SCIENCE AND TECHNOLOGY**
TIME : **3 HOURS**

MAX. MARKS: 100

SECTION- A

ANSWER ANY TEN QUESTIONS EACH ANSWER NOT TO EXCEED
30 WORDS (10 X 3 = 30)

1. What were some of the inventions of the Paleolithic age?
2. What were the scientific works and inventions of the Greek physicist Archimedes?
3. What are aqueducts? How did the Romans construct the aqueducts?
4. What was Aryabhata's contribution to astronomy?
5. What is the meaning of Renaissance?
6. What were some of the notable changes that were brought about in the textile industry as a consequence of the industrial revolution?
7. What were the major achievements in the field of medicine in the eighteenth century?
8. Expand the following abbreviations (a) ASLV (b) PSLV (c) GSAT
9. List three reactors and their locations in India.
10. What are the major components of a computer system?
11. What is meant by Internet?
12. Who was the Chinese inventor who invented paper? How was paper made in ancient China?

SECTION- B

ANSWER ANY EIGHT QUESTIONS EACH ANSWER NOT TO EXCEED
250 WORDS (8 X 5 = 40)

13. What does the term Neolithic mean? Bring out the salient contributions of this age to science and technology.

14. Write a brief note on the Greek physician Hippocrates
15. Discuss Ancient India's contribution to medicine.
16. How did the royal Chinese astronomers prepare the royal almanac?
17. Briefly discuss the life and work of Leonardo da Vinci.
18. How did the invention of the steam engine revolutionise industry?
19. Discuss the major contributions of Indian scientists to space technology.
20. What are the peaceful applications of nuclear energy?
21. Point out the achievements of Russia in space research?
22. How has biotechnology improved the quality of life?

SECTION- C

ANSWER THREE QUESTIONS EACH ANSWER NOT TO EXCEED

800 WORDS

(3 X 10 = 30)

23. Trace the progress of science and technology from the pre historic age to the present 21st century.

OR

'Scientific progress is beneficial as well as harmful to human beings.' Explain this statement with specific examples.

24. What has been the contribution of India to astronomy?

OR

Discuss China's contribution to technology.

25. Write notes on the following

- (a) The life and work of Tycho Brahe.
- (b) The progress of medical science during Renaissance.
- (c) Darwin's explanation of the working of natural selection.

OR

What is the impact that Information Technology has made on the progress of nations, communities and individuals?
