

**M.A. Semester-I Examination 2014**

**History**

**Course : 3**

**(Science and Technology: Pre-Colonial India from 1st Century AD to 1757)**

**Time : Three Hours**

**Full Marks : 40**

Questions are of equal value.

Answer **any three** questions.

1. Review the opinions of colonialist, orientalist and nationalist schools regarding the growth of science and technology in India during the pre-modern period.
  2. Discuss the various phases of the growth of astronomy in India with special reference to the 'theory of perpetuation mobile' of Brahmagupta.
  3. Trace the growth of mathematics in India from the time of Aryabhatta I.
  4. Write a note on the fundamental principles of Ayurveda and Unani. Do you think both the systems exchanged and enriched with each other?
  5. Review the genesis and growth of gun powder technology in medieval India.
  6. Conditions of technology of 17th and 18th century India "was highly decentralized on class basis". Would you agree with A.K. Bag on this issue?
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