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6 SEM TDC HST M 4

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(May)

HISTORY

(Major)

Course : 604

(History of Science and Technology in India)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following questions in *one* word
or in *one* sentence : 1×8=8
- (a) Who was the author of the *Yoga
Darsan*?
- (b) What is *astrolabe*?
- (c) Name the ruler who excavated the
'Sudarsan Lake'.

- (d) Who is known as the father of Indian irrigation?
- (e) Who is regarded as the first Unani practitioner (Hekim) of India?
- (f) By what name the brass and bell-metal craftsmen are known in Assam?
- (g) In which year the Geological Survey of India was established?
- (h) Who founded the Asiatic Society of Bengal?

2. Write short notes on any *three* of the following : 4×3=12

- (a) Charaka
- (b) Paper technology in Medieval India
- (c) Bell-metal works in Medieval Assam
- (d) Geological Survey of India
- (e) Nehru's view on science and technology

3. Trace the history of the development of agriculture in early India with special reference to irrigation system. 12

Or

Discuss the contribution of Aryabhatta and Varahamihira to the field of Indian astronomy. 6+6=12

4. Discuss the development of medicine with special emphasis on the Unani system in Medieval India. 12

Or

Write a note on the development of ship-building technology and military technology in Medieval India. 6+6=12

5. Write a note on silk and cotton textile industry of Medieval Assam. 6+6=12

Or

Discuss briefly the process of gold production during the pre-colonial times in Assam. 12

6. Trace the growth of technological and scientific education in India during the colonial period. 12

Or

Trace the development of transport during the colonial period with special reference to Railways. 12

7. Discuss the impact of the Swadeshi Movement on modern science and technology. 12

Or

Write the contributions of P. C. Roy and C. V. Raman to the field of science and technology. 12
