

Total No. of Questions: 4



Enrolment No... EN2 (CS3016) 28

Faculty of Engineering

Mid Sem-II Examination May - 2022

EN3HS01 History of Science and Technology

Programme: B. Tech

Branch/Specialisation: All branch

Duration: 2 Hrs.

Maximum Marks: 40

- Q.1
- i. First Five year plan was based on which model- 1
 - a. Herold-Domar
 - b. P.C. Mahalanomis
 - c. Both of above
 - d. None of above
 - ii. From where was India's multipurpose telecommunication satellite INSAT-4CR launched- 1
 - a. Thumba
 - b. Kourou
 - c. Shriharikota
 - d. French Guyana
 - iii. TIFAC is the goal of which science and technology policy? 1
 - a. 2013
 - b. 2003
 - c. 1993
 - d. 1983
 - iv. Plan Holiday was declared in which year? 1
 - a. 1955-56
 - b. 1961-62
 - c. 1966-67
 - d. 1973-74
 - v. MNRE stands for- 1
 - a). Ministry of Nature and Renewable Energy
 - b). Ministry of Natural Resource Energy
 - c). Ministry of Non-conventional and Renewable Energy
 - d). None of these
 - vi. Which one of the following is a "Surface to Air missile"- 1
 - a. Agni
 - b. Brahmos
 - c. Trishul
 - d. None
 - vii. What is the name given to India's Meteorological research satellite (METSET) launched in 2003- 1
 - a. Vikram-1
 - b. Bhaskar-1
 - c. Kalpana-1
 - d. Aryabhata
 - viii. The Shanti Swarup Bhatnagar Prize for outstanding performers in various research filed in science and technology is organized by- 1
 - a. IIT Kanpur
 - b. CSIR
 - c. DST
 - d. IIT Delhi
 - ix. The concept of Economic planning in India is derived from- 1
 - a. USA
 - b. UK
 - c. Russia
 - d. Australia
 - x. Department of Ocean Research was created in year- 1
 - a. 1981
 - b. 1982
 - c. 1989
 - d. 1992
- Q.2
- i. Discuss Science and Technological development in new era. 4
 - ii. Describe the achievement and objective of Council of Scientific and Industrial Research. 6
- OR
- iii. Discuss the science and technological developments during five year plans (any six) in India. 6

- Q.3 i. Discuss S&T policies in India with their names and objectives. 2
- ii. What was the Nehru's vision of science and technology for independent India? 3
- iii. Discuss various Non-conventional energy sources along with their contribution in the Indian power sector. 5
- OR iv. Discuss the characteristics of both, Science and Technology with suitable examples. 5
- Q.4 i. Enlist services provided by INSAT satellite system. 2
- ii. Write a short note on Nuclear Energy Program in India. 3
- iii. Discuss launch vehicle technology in India and also explain the services provided by PSLV and GSLV. 5
- OR iv. Write short note on any two- 5
- a. BARC b. IRSS c. Digital India
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