

Total No. of Questions : 4]

SEAT No. :

**P781**

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**[5315]-370**

**T.Y.B.Sc.**

**DEFENCE AND STRATEGIC STUDIES**

**DS-304 : Science, Technology and National Security**

**( 2013 pattern) (Semester-III) (paper-IV)**

*Time : 2Hours]*

*[Max. Marks : 40*

*Instructions to the candidates:*

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*

**Q1)** Answer in 2 to 4 Sentences each:

**[16]**

- a) Define Science.
- b) Write full form of C4ISR.
- c) State the meaning of armament technology.
- d) What do you mean by accidental nuclear war?
- e) State the meaning of Battlefield information system.
- f) Write the meaning of surprise first strike.
- g) Write any two characteristics of submarine.
- h) What do you mean by Revolution in Military Affairs?

**Q2)** Answer in 8 to 10 Sentences each: (Any two)

**[8]**

- a) Explain impact of submarine in Naval Warfare.
- b) Describe Role of private sector in India's Defence production.
- c) Examine role of military technology in making foreign policy.

**Q3)** Write short notes on: (Any two)

**[8]**

- a) Science and armament technology.
- b) Transfer of technology and its economic impact.
- c) Impact of science on weapon development.

**Q4)** Answer in 18 to 20 sentences: (Any one)

**[8]**

- a) Explain impact of major technological breakthrough on society.
- b) Describe relationship between science and national security.

