

**Centre for Aerospace & Defence Laws (CADL)
DIRECTORATE OF DISTANCE EDUCATION
NALSAR UNIVERSITY OF LAW, HYDERABAD**

M.A. (Security and Defence Laws)

Academic Year: 2023-2024

First Semester Repeat Examination (June, 2024)

**Paper III – 1.1.3 Defence Technology and Defence
Laws**

Duration of the Examination: 2 ½ hours

Total Marks: 70 marks

INSTRUCTIONS TO CANDIDATES

- a) Read the instructions carefully and adhere to the same.
- b) Please mention your DDE ID No., date of the exam, name of the programme & subject on the Answer Sheet and the Additional Answer Sheets, if any.
- c) The questions to be interpreted as given and no clarification can be sought from the Invigilator.
- d) Clearly indicate the question numbers while answering them. Answers without question numbers / wrong question numbers will not be evaluated.
- e) Write the answers clearly and neatly. Answers in illegible handwriting will not be taken into consideration.
- f) Candidates are prohibited to carry phones or any other electronic devices, books, material etc. in the Examination Hall.
- g) Copying is strictly prohibited and is considered as a serious academic misconduct and the University will take action as it deems fit.

Section – A

**Answer FIVE questions out of SEVEN questions and each question carries 10 marks.
(5 x 10 marks = 50 marks)**

- 1. Tehcnology diffusion is the process by which innovations (be they new products, new processes or new management methods) spread within and across economies. Discuss how the technology diffusion impacted the 21st century.
- 2. Militaries in the world have historically recognized the importance of innovation, yet some have succeeded more than others. Write about the challenges of military innovation?

3. What are the guiding principles for ownership on IPR pertaining to software products?
4. What are the IPR issues which are associated with the nuclear technology transfer?
5. Transfer of technology is the movement of data, designs, inventions, materials, software, technical knowledge, or trade secrets from one organization to another or from one purpose to another. The technology transfer process is guided by the policies, procedures and values of each organization involved in the process. Discuss the types of technology transfers with suitable examples.
6. Biotechnology and bioweapons have become one of the biggest concerns of our time. Examine the relevancy of biotechnology and bioweapons and give your views on such usage.
7. Discuss in detail India's position on autonomous weapons in the global context.

Section – B

Answer FOUR questions out of SIX questions and each question carries 05 marks. (4 x 5 marks = 20 marks)

- A. Write about the impact of disruptive technologies and their effect on warfare.
- B. What does harmonization through soft law mean?
- C. Write about *Atma Nirbhar* in defence technology.
- D. Write about IPR procedures in Defence Procurement Procedure.
- E. What is the role of Biotechnology in Defence?
- F. Write a short note on satellite surveillance.