

Instructions:

1. *The figures on right hand side indicate marks.*
2. *Both the questions mentioned in Question 1 are compulsory*
3. *From question 1 to 4, each of the sub question is of 7 marks.*
4. *Students are only allowed to attempt either two questions above the "OR" option, or two questions below the "OR" option in Question 2,3, and 4.*

Question 1

- i. What do you understand by the term intelligence? What role does it play in national security? **(7marks)**
- ii. How do you think wars have evolved over time? Explain by including the type of intelligence used in each of the war. **(7marks)**

Question 2

- i. Why do you think artificial intelligence can be considered as a geopolitical tool of modern India? Justify your answer. **(7marks)**
- ii. Write a note on the following:
 - a. Terrorism and counter intelligence **(3 marks)**
 - b. Role of ISRO in nation's intelligence system **(4 marks)**

OR

- i. Which ancient book of India forms the foundation of India's intelligence system? Who is the author of this book, and how the author has described people as specific person working for state's intelligence?/ How secret service worked in ancient times in India to ensure domestic security and how it dealt with foreign affairs? **(7marks)**
- ii. Given a chance to work with the intelligence department of GoI, which of the intelligence organizations, you would like to work with, and why? Which of your unique qualities can help that organization and what will your unique way of working be? **(7marks)**

Question 3

Write a note on the following:

- i. Operation Shamrock **(7marks)**
- ii. Operation Meghdoot **(7marks)**

OR

- i. Elaborate the success as well as failure of US intelligence against India's efforts "to go nuclear" during 1974-1998, by mentioning the sequence of events. **(7marks)**

- ii. Explain the intelligence gathering process./ Define CYBINT. Elaborate the benefits of CYBINT as an intelligence product. **(7marks)**

Question 4

Read the below mentioned case study and answer the linked questions.

It has been observed that a new malware named as “Agent Smith” targeting android devices is spreading widely. The malware has the capability to automatically replace the installed apps of the infected/targeted device to malicious versions without the user knowledge. It has also been counted that malware has infected nearly 25 million mobile devices all over the world. The malware mainly spreads by installing apps from third party app stores, 9Apps and targets the Hindi, Arabic, Russian and Indonesian speaking users.

- i. Define malware and explain its types. **(7marks)**
 ii. As per your understanding of Fundamentals of Intelligence in National Security, which category of intelligence deals with Agent Smith? Why is it important to keep a check on such malware from national security point of view? **(7marks)**

OR

- i. How can a customer detect that his phone is infected with Agent Smith? What are the steps involved in guarding against malware? **(7marks)**
 ii. Define malware and elaborate stages involved in its infection chain. **(7marks)**

Question 5

Explain briefly.

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|-------------------------------------|----------------|
| 1. Social Engineering | 2 marks |
| 2. Misinformation vs Disinformation | 2 marks |
| 3. Covert Surveillance | 3 marks |
| 4. Intelligence Cycle | 3 marks |
| 5. R&AW | 4 marks |
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