

ANTI SUBMARINE WARFARE

(14 Periods)

(Max Marks: 50)

Type of Exam – Written

Duration - 1 1/2 hrs

PERIOD

TOPIC

01- 02

General ASW

- a. Introduction to Anti Submarine Warfare
- b. Duties and Responsibilities of ASWO.
- c. ASW Weapons, Sensors and platforms.

03 - 05

Submarine warfare

- a. History of Submarine
- b. Types of submarines
- c. Advantages & disadvantages of Conventional & Nuclear SM
- d. Propulsion, diving & Surfacing of the Submarine
- e. Weapons & Sensors available on board Submarines
- f. Means available to detect a Submarine

06 - 08

Port Defence

- a. Importance of ports
- b. Port defence
- c. SWD & SWD Principles
- d. UW Threats
- e. Defence against UW attack
- f. Operation 'Awakward'

09 - 12

Mine and Mine Warfare

- a. Interdiction to Sea mine,
- b. Aim of Mine laying,
- c. Classification of mines(as Per position in water and actuation methods)
- d. Types of mine layers and their advantages / disadvantages.

13 - 14

Introduction of Tactics

- a. Datum
- b. SAU

- c. TDZ&TDA
- d. TCM