

2023

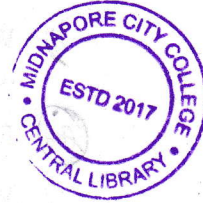
BFSC 4th Semester Examination

Navigation and Seamanship

PAPER — BFSC-408

Full Marks : 50

Time : 2 hours



The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Illustrate the answers wherever necessary.

1. Answer **any ten** from the following questions :
2×10=20

- (a) State about seamanship.
- (b) What is rumba lines?
- (c) What are the uses of magnetic compass?
- (d) Why do sailors use sextants?
- (e) What is the acronym for RADAR? State its function.

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(Turn Over)



(2)

- (A) Write two applications of Sonar. ✓
- (B) Define aneroid barometer. ✓
- (h) Write two causes of fire at sea.
- (A) Give some examples of life saving appliances at sea.
- (i) What is the main difference between EPIRB and SART? ✓
- (K) Enumerate distress signal. ✓
- (i) What is meant by axial thrust? ✓
- (h) What is standing moor? ✓
- (m) What is IALA Buoyage system? ✓
- (Q) What are fog signals? ✓

2. Answer *any six* from the following questions :
5×6=30

- (a) Briefly discuss about different types of Navigations.
- (b) Write down the different methods of position fixing.
- (c) Explain briefly about the various speed log used in marine system.
- (A) Write a short note on storm signal methods. ✓

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(Continued)

(3)

- (B) State on the life saving appliances in sea. ✓
- (D) Write a brief note on Echosounder. ✓
- (g) Explain the role of modern GPS for marine operations.
- (A) Mention the method of fire prevention on the board vessel. ✓
- (B) Discuss different types of anchors and their applications. ✓
- (A) Give an idea about International code of Signals. ✓

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