# EO3

### **GOVERNMENT OF INDIA**

#### **SECOND MATE FOUNDATION**

#### **PAPER: NAUTICAL MATHEMATICS**

TIME: 2 HOURS PASS MARKS: 50 MAX. MARKS: 100

NOTES:					
1.	Question 1 is compulsory				
2.	Attempt any FOUR questions from the reaming question.				
3.	1 2 1				
4.	Draw suitable sketches/ diagrams wherever considered necessary				
Q1. SPHERICAL TRIGONOMETRY					
a)					
b)					
Q2. Differentiation and Integration					
a) Differentiation					
b) Integration					
Q3. Differentiation and Integration					
a) Differentiation					
b) Integration					
Q4. BASIC MATHEMATICS and CO-ORDINATE GEOMETRY					
Q5. BASIC MATHEMATICS and CO-ORDINATE GEOMETRY					
Q6. Spherical trigonometry/ co-ordinate geometry/ basic mathematics					

Please note that the above format is only an indicative of the examination paper. The candidates are advised to refer to detailed teaching syllabus and the course outline.

\*\*\*\*\*\*

## **GOVERNMENT OF INDIA**

#### **SECOND MATE FOUNDATION**

**PAPER: NAUTICAL PHYSICS** 

TIME: 2 HOURS PASS MARKS: 50 MAX. MARKS: 100

NOTES:					
5. 6. 7. 8.	Question 1 is compulsory Attempt any FOUR questions from the reaming question. All questions carry equal marks. i.e. 20 marks each. Draw suitable sketches/ diagrams wherever considered necessary				
Q1. MECH	IANICS				
a)					
b)					
Q2. BASIC I	PHYSICS				
a)	a)				
b)					
Q3. HEAT					
a)					
b)					
Q4. SOUND					
a)					
b)					
Q5 MAGNE	ETISM and MECHANICS				
a)					
b)					
Q6. HEAT,	SOUND and BASIC PHYSICS				
a)					
b)					
c)					

Please note that the above format is only an indicative of the examination paper. The candidates are advised to refer to detailed teaching syllabus and the course outline.

\*\*\*\*\*\*\*

#### **GOVERNMENT OF INDIA**



#### **SECOND MATE FOUNDATION**

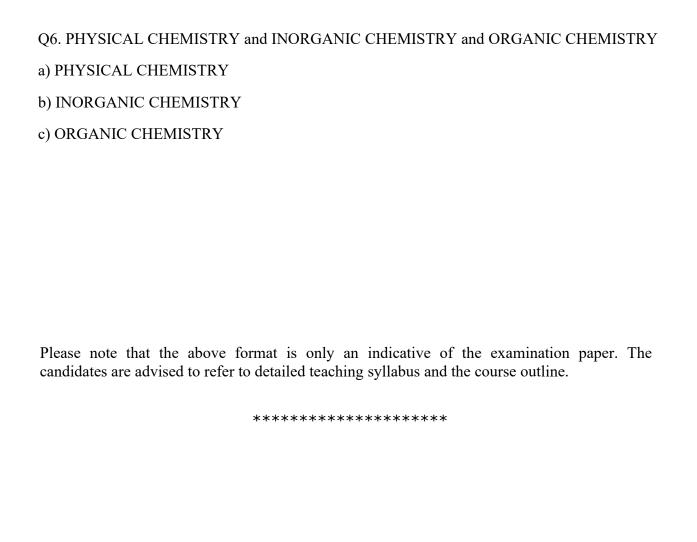
PAPER: NAUTICAL CHEMISTRY

TIME: 2 HOURS PASS MARKS: 50 MAX. MARKS: 100

1	V	$\overline{\cap}$	$\overline{\mathbf{T}}$	FQ	•

9.	Question 1	is com	pulsory

- 10. Attempt any FOUR questions from the reaming question.
- 11. All questions carry equal marks. i.e. 20 marks each.
- 12. Draw suitable sketches/ diagrams wherever considered necessary
- Q1. ORGANIC CHEMISTRY and PHYSICAL CHEMISTRY
- a) ORGANIC CHEMISTRY
- b) PHYSICAL CHEMISTRY
- Q2. PHYSICAL CHEMISTRY and INORGANIC CHEMISTRY
- a) PHYSICAL CHEMISTRY
- b) INORGANIC CHEMISTRY
- Q3. PHYSICAL CHEMISTRY and ORGANIC CHEMISTRY
- a) PHYSICAL CHEMISTRY
- b) ORGANIC CHEMISTRY
- Q4. INORGANIC CHEMISTRY and ORGANIC CHEMISTRY
- a) INORGANIC CHEMISTRY
- b) ORGANIC CHEMISTRY
- Q5. PHYSICAL CHEMISTRY and INORGANIC CHEMISTRY
- a) PHYSICAL CHEMISTRY
- b) INORGANIC CHEMISTRY



# सत्यमेव जयते

a)

b)

### **GOVERNMENT OF INDIA**

#### **SECOND MATE FOUNDATION**

#### **PAPER: NAUTICAL ELECTRICITY & ELECTRONICS**

**TIME: 2 HOURS** PASS MARKS: 50 **MAX. MARKS: 100** NOTES: 13. Question 1 is compulsory Attempt any FOUR questions from the reaming question. 14. All questions carry equal marks. i.e. 20 marks each. 15. Draw suitable sketches/ diagrams wherever considered necessary 16. Q1. ELECTRICITY a) b) Q2. RADIO and ELECTRONICS a) b) Q3. ELECTRICITY a) b) Q4. ELECTRICITY, RADIO and ELECTRONICS a) b) ELECTRICITY, RADIO and ELECTRONICS Q5 a) b) Q6. ELECTRICITY, RADIO and ELECTRONICS

Please note that the above format is only an indicative of the examination paper. The candidates are advised to refer to detailed teaching syllabus and the course outline.

\*\*\*\*\*\*