Reg. No.							

B.E. / B.TECH. DEGREE EXAMINATIONS, MAY 2024

Sixth-Semester

OE18904 – MARINE VEHICLES

(Regulation 2018/2018A)

		AX. MA	RKS:	100 RBT			
OUTC	OMES		_	LEVEL 2			
CO 1	Upon completion of this course, students would have gained Elementary knowledge on ship, safety, prevention of pollution and hazards on board ship						
CO 2	Upon completion of this course, students would have gained Familiarization different types of ships						
CO 3							
CO 4	Upon completion of this course, students would have gained Perception on Welding and cutting processes used in shipbuilding						
CO 5	CO 5 Upon completion of this course, students would have gained Awareness on governing bodies in shipping industry						
PART- A (10 x 2 = 20 Marks) (Answer all Questions)							
	(7 His Wel all Questions)		CO	RBT LEVEL			
1.	1. Expand EEZ and how does the transit of goods help in improving economy?						
2.	2. List a few scenarios that are considered to be hazardous onboard the ship.						
3. Why the cargo holds in the gas tankers are refrigerated?							
4.	4. Give reason for RO-RO ships have very high freeboard when compared to oil tanker. 2						
5.	5. Why the Aluminium alloys shall be preferred for shipbuilding?						
6.	6. How the casting and molding are differed from each other?						
7.	7. List a few advantages of Riveted joints.						
8.	8. Why the oxygen is supplied separately during the gas cutting process?						
9.	9. How the MARPOL helps in minimizing the pollution at sea?						
10.	List out the duties of Port state control.		5	1			
	PART- B (5 x $14 = 70 \text{ Marks}$)		CO	DDT			
		Marks	CO	RBT LEVEL			
11. (a)	With the help of a neat sketch explain the principal dimensions of both transverse and longitudinal section of the ship.	(14)	1	2			
(OR)							
(b)	Explain how the Garbage and Sewage pollutions are managed and discharged from the ship under international convention of prevention of pollution from ship?	(14)	1	2			

(Q.No.16 is compulsory)

CO

RBT

Marks

Describe the differences between rivets and electric arc welding in terms of (10) 4 5 metal joining, and suggest the best suitable choice of approach based on its benefits and drawbacks for the shipbuilding process.

16.
