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Unit 2 - Week 1

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Week 1 Assignment

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2018-08-15, 23:59 IST.

1) Which of the following is NOT a principle dimension of ship?

1 point

- a) Length
- b) Breadth
- c) Draft
- d) Freeboard

No, the answer is incorrect.

Score: 0

Accepted Answers:

d) Freeboard

2) What is aft perpendicular defined with respect to?

1 point

- a) Rudder stock
- b) propeller
- c) bow
- d) forecastle

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) Rudder stock

3) The engineering drawing associated with a ship is called

1 point

- a) Linesplan
- b) midship plan
- c) block plan
- d) area plan

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) Linesplan

4) How are stations seen in half-breadth plan?

1 point

- a) Tangent
- b) Horizontal
- c) Vertical
- d) parabolic

No, the answer is incorrect.

Score: 0

Accepted Answers:

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b) $\frac{\nabla}{A_m L}$

c) $\frac{\nabla}{A_w T}$

d) $\frac{\nabla}{A_w B}$

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) $\frac{\nabla}{A_m L}$

6) A ship has the following details: L=14.251 m; B= 4.52m; T (draft)=1.908m; $\nabla = 58.53t$
 $A_M=6.855 m^2$; $A_w= 47.595 m^2$. It's $C_B=?$ 1 point

a) 0.476

b) 0.78

c) 0.9

d) 1.2

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) 0.476

7) A body immersed in fluid floats if 1 point

a) Weight is equal to buoyancy

b) weight is greater than buoyancy

c) Buoyancy is greater than weight

d) None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) Weight is equal to buoyancy

8) Center of buoyancy is 1 point

a) Centroid of waterplane area

b) centroid of underwater volume

c) centroid of underwater weights

d) None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) centroid of underwater volume

9) Which of the following is NOT a degree of freedom of a ship? 1 point

a) Roll

b) pitch

c) slosh

d) heave

No, the answer is incorrect.

Score: 0

Accepted Answers:

c) slosh

10) Which of the below is the condition of static stability? 1 point

- a) $GM < 0$
 b) $GM > 0$
 c) $GM = 0$
 d) None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) $GM > 0$

11) What is metacentric radius?

1 point

- a) GM
 b) BM
 c) KM
 d) ∇

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) BM

12) Longitudinal axis is

1 point

- a) Along the length of ship
 b) along the breadth of the ship
 c) along the depth of the ship
 d) none of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) Along the length of ship

13) $\frac{I_T}{\nabla}$ is

1 point

- a) BM
 b) GM
 c) waterplane area
 d) moment of area

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) BM

14) A ship of displacement 16450 tonnes has $KG = 9.3\text{m}$ and loads and discharges cargoes as below

1 point

	Weight (tonnes)	KG (m)
Loads	1427	8.6
	2964	4.6
	1930	12.0
Discharges	2000	11.8
	483	6.4

final displacement in tonnes?

What is the

- a) 16450
 b) 20288

- c) 175
- d) none of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
b) 20288

15) For the ship in Question 14, what is the final KG?

1 point

- a) 12 .23 m
- b) 20.22 m
- c) 8.64 m
- d) none of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
c) 8.64 m

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