Unit 2 - Week 1 Assignment

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

1) Which of the following is NOT a principle dimension of ship?
   - 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?
   - 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
   - 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?
   - a) Tangent
   - b) Horizontal
   - c) Vertical
   - d) parabolic

No, the answer is incorrect.
Score: 0
Accepted Answers:
6. A ship has the following details: \( L = 14.251 \text{ m}; B = 4.52 \text{ m}; T (\text{draft}) = 1.908 \text{ m}; \quad V = 58.53 \text{ m}^3; \quad A_M = 6.855 \text{ m}^2; \quad A_B = 47.595 \text{ m}^2. \) It’s \( C_B = ? \)

- 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

- 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

- 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?

- 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?

- a) Weight is equal to buoyancy

Score: 0
Accepted Answers: 
- a) Weight is equal to buoyancy
1) What is metacentric radius?
   - a) GM
   - b) BM
   - c) KM
   - d) \( \nabla \)
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   b) BM

2) Longitudinal axis is
   - 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

3) \( \frac{I}{\nabla} \) is
   - a) BM
   - b) GM
   - c) waterplane area
   - d) moment of area
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   a) BM

4) A ship of displacement 16450 tonnes has KG = 9.3m and loads and discharges cargoes as below

<table>
<thead>
<tr>
<th>Weight (tonnes)</th>
<th>KG (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loads</td>
<td></td>
</tr>
<tr>
<td>1427</td>
<td>8.6</td>
</tr>
<tr>
<td>2964</td>
<td>4.6</td>
</tr>
<tr>
<td>1930</td>
<td>12.0</td>
</tr>
<tr>
<td>Discharges</td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>11.8</td>
</tr>
<tr>
<td>483</td>
<td>6.4</td>
</tr>
</tbody>
</table>

What is the final displacement in tonnes?
   - a) 16450
   - b) 20288
15) For the ship in Question 14, what is the final KG?

- 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