Week 9 Assignment

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. **Due on 2018-10-03, 23:59 IST.**

1) The mean draft of a ship that is trimming is the draft at:  
- a) Midship  
- b) Center of gravity  
- c) Center of floatation  
- d) Center of buoyancy

**No, the answer is incorrect.**  
**Score: 0**

Accepted Answers:  
- c) Center of floatation

2) Questions 2-5 are from the following problem;  

A vessel is floating at drafts: forward=10.80 m; aft=11.40 m and is to complete loading at drafts: forward=10.90 m; aft=11.40 m; TPC= 28 tonne/cm; length= 138 m; LCF=65 m from AP.

The initial mean draft of the vessel is

- a) 13.121 m  
- b) 11.117 m  
- c) 10.145 m  
- d) 11.555 m

**No, the answer is incorrect.**  
**Score: 0**

Accepted Answers:  
- b) 11.117 m
4) Parallel sinkage in the vessel
   a) 2.5 cm  
   b) 3.2 cm  
   c) 4.7 cm  
   d) 2.9 cm

No, the answer is incorrect.
Score: 0
Accepted Answers:
   c) 4.7 cm

5) The cargo to be loaded to get to the final draft is
   a) 120.5 tonne  
   b) 225.2 tonne  
   c) 131.6 tonne  
   d) 95.2 tonne

No, the answer is incorrect.
Score: 0
Accepted Answers:
   c) 131.6 tonne

6) Questions 6-9 are from the following problem

A vessel is floating at drafts forward=8.72 m, aft=9.00 m in water density= 1.025 tonne/m³. She is to enter dock water density 1.004 tonne/m³. Find her drafts fore and aft in dock water, taking due account of the change of trim due to change of density. MCTC= 162 tonne m/cm. TPC= 29.8 tonne/cm; LCF=82 m forward of AP, LCB= 90 m forward of AP. Length= 170 m. Displacement= 27 000 tonnes.

The initial mean draft is
   a) 8.865 m  
   b) 8.012 m  
   c) 9.122m  
   d) none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
   a) 8.865 m

7) The parallel sinkage is
   a) 0.11 m  
   b) 0.19 m  
   c) 0.32m  
   d) none of the above
No, the answer is incorrect.
Score: 0
Accepted Answers:
b) 0.19 m

8) Change in longitudinal center of buoyancy is
   1 point
   - a) 0.223 m
   - b) 0.164 m
   - c) 0.342 m
   - d) none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) 0.164 m

9) Change in trim is
   1 point
   - a) 9.2 cm
   - b) 27.32 cm
   - c) 31.24 cm
   - d) 12.32 cm

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) 27.32 cm

10) The following is NOT a method of dry dock
    1 point
    - a) Floating dock
    - b) Excavated dock
    - c) slip lift
    - d) tow

No, the answer is incorrect.
Score: 0
Accepted Answers:
d) tow

11) In a floating dry dock, the ship is docked by
    1 point
    - a) Ballasting
    - b) sloshing
    - c) slamming
    - d) riveting

No, the answer is incorrect.
Score: 0
Accepted Answers:
a) Ballasting

12) In a dry dock, as the draft keeps decreasing, the stability
    1 point
    - a) Increases
13. During dry docking, the draft at which GM becomes zero is known as
   a) Critical draft
   b) slippage draft
   c) initial draft
   d) none of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   d) none of the above

14. During dry docking, the weight of the ship is balanced by
   a) Buoyancy alone
   b) buoyancy and reaction from water
   c) reaction from water and keel blocks
   d) buoyancy and reaction from ground

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   a) Buoyancy alone

15. When a ship moves from fresh water to sea water, it
   a) Trims
   b) Heels
   c) slams
   d) sink

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   a) Trims