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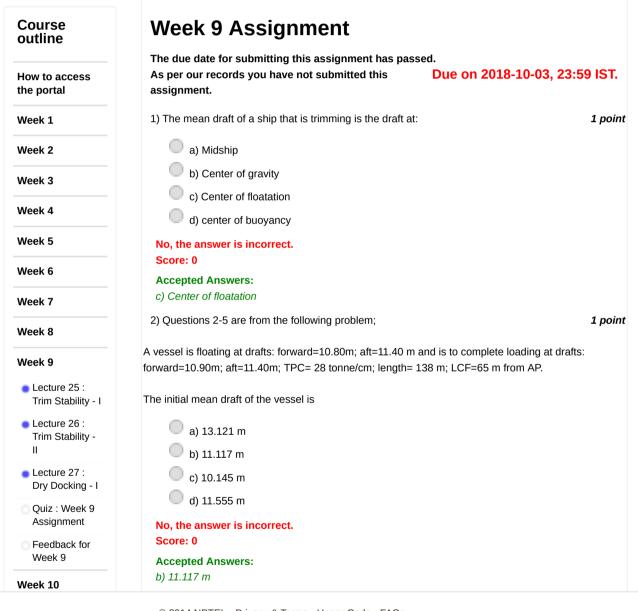
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Courses » Hydrostatics and Stability

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Unit 10 - Week 9



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| Assignment Solution | d) 12.122 m |
|---|--|
| | No, the answer is incorrect. Score: 0 |
| Interactive Session with Students | Accepted Answers: a) 11.164 m |
| | 4) Parallel sinkage in the vessel 1 point |
| | 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 1 point |
| | a) 120.5 tonne |
| | b) 225.2 tonne |
| | c) 131.6 tonne |
| | (a) 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 1 point |
| | A vessel is floating at drafts forward=8.72 m, aft=9.00 m in water density= $1.025 \text{ tonne}/m^3$ She is to enter dock water density $1.004 \text{ tonne}/m^3$. 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 1 point |
| | 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) 0.223m | |
| 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)n 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)n a dry dock, as the draft keeps decreasing, the stability | 1 point |
| a) Increases | |

| a) Trims | |
|---|----------|
| No, the answer is incorrect. Score: 0 Accepted Answers: | |
| d) sink | |
| c) slams | |
| b) Heels | |
| a) Trims | |
| 15)When a ship moves from fresh water to sea water, it | 1 point |
| Accepted Answers: a) Buoyancy alone | |
| No, the answer is incorrect. Score: 0 | |
| d) buoyancy and reaction from ground | |
| c) reaction from water and keel blocks | |
| b) buoyancy and reaction from water | |
| a) Buoyancy alone | |
| 14)During dry docking, the weight of the ship is balanced by | 0 points |
| d) none of the above | |
| Accepted Answers: | |
| No, the answer is incorrect. Score: 0 | |
| d) none of the above | |
| c) initial draft | |
| b) slippage draft | |
| a) Critical draft | |
| 13 During dry docking, the draft at which GM becomes zero is known as | 0 points |
| Score: 0 Accepted Answers: b) decreases | |
| No, the answer is incorrect. | |
| d) none of the above | |
| c) remains same | |
| b) decreases | |
| | |