Week 12 Assignment

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

Due on 2018-10-24, 23:59 IST.

1) According to IMO regulations, the area under the righting arm curve upto 30 degrees should not be less than:\n
- a) 0.055 mrad
- b) 0.03 m rad
- c) 0.09 m rad
- d) none of the above

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
a) 0.055 mrad

2) Similarly, the area under the righting arm curve upto 40 degrees should not be less than:\n
- a) 0.055 m rad
- b) 0.03 m rad
- c) 0.09 m rad
- d) none of the above

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
c) 0.09 m rad

3) The initial metacentric height should not be less than:\n
- a) 0.5 m
- b) 0.09 m

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
c) 0.09 m
b) 0.15 m

4) The GM of a ship cannot be increased without limit because

- a) Ship becomes too stiff
- b) ship loses stability
- c) ship heels to larger angles
- d) none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
- a) Ship becomes too stiff

5) According to US Navy regulations, during turning the ship should not heel more than

- a) 20 deg
- b) 15 deg
- c) 30 deg
- d) none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
- b) 15 deg

6) The heeling lever in turning is the distance between the center of gravity of the ship and

- a) VCB
- b) half draft
- c) center of buoyancy
- d) all the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
- d) all the above

7) A dynamically supported craft can move in

- a) Displacement mode
- b) foil borne mode
- c) both a and b
- d) none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
- c) both a and b

8) Which of the following is an unconventional vessel by UK Navy regulations

- a) Multihull vessels
- b) passenger vessels
- c) VLCC
9) The US Navy specifies that the wind stress to calculate the wind heeling moment is

- a) $270 \, Nm^{-2}$
- b) $540 \, Nm^{-2}$
- c) $650 \, Nm^{-2}$
- d) none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
- a) Multihull vessels

10) When the dynamically supported craft runs on foil borne mode, its weight is balanced by

- a) Drag
- b) weight
- c) lift forces
- d) all the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
- c) lift forces

11) According to the UK Navy regulations, the GM of conventional crafts should not be less than

- a) 0.5 m
- b) 0.3 m
- c) 0.7 m
- d) none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
- b) 0.3 m

12) German Navy classifies vessels into various categories on the basis of

- a) Operating wind speeds
- b) operating current speeds
- c) ship size
- d) all the above

No, the answer is incorrect.
Score: 0
13) If the midship is over the trough of a wave, the ship is said to be

- a) Hogging
- b) sagging
- c) slamming
- d) heeling

No, the answer is incorrect.
Score: 0

14) If we define a circle rolling on the underside of a straight line, we get

- a) Trochoidal wave
- b) free surface waves
- c) currents
- d) none of the above

No, the answer is incorrect.
Score: 0

15) When a ship is on a trough, the virtual gravity is

- a) Positive
- b) negative
- c) zero
- d) cannot define

No, the answer is incorrect.
Score: 0