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Unit 13 - Week 12

Course outline

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Lecture 34 : Safety Regulations (Contd.)

Lecture 35 : Safety Regulations (Contd.)

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= **1 point**

- 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= **1 point**

- 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 **1 point**

- a) 0.5 m

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b) 0.15 m

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

1 point

- 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

1 point

- 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

1 point

- 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

1 point

- 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

1 point

- a) Multihull vessels
- b) passenger vessels
- c) VLCC

d) all of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) *Multihull vessels*

9) The US Navy specifies that the wind stress to calculate the wind heeling moment is **1 point**

a) $270Nm^{-2}$

b) $540Nm^{-2}$

c) $650Nm^{-2}$

d) none of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) $540Nm^{-2}$

10) When the dynamically supported craft runs on foil borne mode, its weight is balanced by **1 point**

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 **1 point**

a) 0.5 m

b) 0.3 m

c) 0.7m

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 **1 point**

a) Operating wind speeds

b) operating current speeds

c) ship size

d) all the above

No, the answer is incorrect.

Score: 0

Accepted Answers:*a) Operating wind speeds*

13) If the midship is over the trough of a wave, the ship is said to be

1 point

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

No, the answer is incorrect.**Score: 0****Accepted Answers:***b) sagging*

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

1 point

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

No, the answer is incorrect.**Score: 0****Accepted Answers:***a) Trochoidal wave*

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

1 point

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

No, the answer is incorrect.**Score: 0****Accepted Answers:***a) Positive* Previous Page End

