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1. 다음 빈칸에 들어갈 말로 가장 적합한 것은?

“() is the angle that the center line of a vessel, or the vessel's keel, makes with the meridian.”

- ① Course ② Draft
③ Deviation ④ Variation

2. 다음 빈칸에 들어갈 말로 가장 적합한 것은?

“Charts and light lists should be checked to see that they have been corrected through the latest ()”

- ① notice to mariners ② guide to port entry
③ sailing directions ④ chart correction table

3. 다음 빈칸에 들어갈 말로 가장 적합한 것은?

If a shipowner registers his ships in a country other than his own to escape paying some home taxations, to employ labour cheaper than that at home, or to benefit financially in any similar way, his ships are said to fly a ().

- ① flag of discrimination ② courtesy flag
③ flag of destination ④ flag of convenience

4. 다음 빈칸에 들어갈 말로 가장 적합한 것은?

() of the Republic of Korea is the area of the sea which extends up to 200 nautical miles from the baseline provided for in Article 2 of the Territorial Sea and Contiguous Zone Act, excluding the territorial sea of the Republic of Korea.

- ① The contiguous zone
② The exclusive economic zone
③ The continental shelf
④ The high seas

5. 다음 빈칸에 들어갈 말로 가장 적합한 것은?

According to SOLAS '83, each member of the crew shall participate in at least one abandon ship drill and one fire drill every month. The drills of the crew shall take place within () of the ship leaving a port if more than () of the crew have not participated in abandon ship and fire drills on board in the previous month.

- ① 24h, 15% ② 48h, 15%
③ 24h, 25% ④ 48h, 25%

6. COLREG(International Regulations for Preventing Collisions at Sea) RULE 18 “Responsibilities between vessels”에 대한 설명으로 가장 적절하지 않은 것은?

- ① A power-driven vessel underway shall keep out of the way of a vessel not engaged in fishing when underway.
② A sailing vessel underway shall keep out of the way of a vessel not under command.
③ A vessel engaged in fishing when shall, so far as possible, keep out of the way a vessel not under command.
④ A vessel constrained by her draught shall navigate with particular caution having full regard to her special condition.

7. 다음 빈칸에 들어갈 말로 가장 적합한 것은?

“Distress calls have absolute priority over all other communications. When hearing them, ().”

- ① all other transmissions should cease and listen in
② a change of channel should be requested
③ further communications should be made
④ communications should be commenced on the chosen channel

8. 다음은 IAMSAR Manual상 어느 용어에 대한 내용이다.
가장 관련이 깊은 것은?

A survival craft transponder that, when activated, sends out a signal automatically when a pulse from a nearby radar reaches it. The signal appears on the interrogating radar for search and rescue purposes.

- ① EPIRB ② SART
③ Safety NET ④ Inmarsat

9. 다음 빈칸에 들어갈 말로 가장 적합한 것은?

According to UNCLOS “()” means a collision of vessels, stranding or other incident of navigation, or other occurrence on board a vessel or external to it resulting in material damage or cargo.

- ① aeronautical ② marine casualty
③ maritime insurance ④ maritime pollution

10. VTS(Vessel Traffic Service) 관련 다음 빈칸에 들어갈 말로 가장 적합한 것은?

A service implemented by a competent authority, VTS is designed to improve the () and (), safety of life at sea and the protection of the marine environment.

- ① distress, safety
② distress, efficiency of marine communication
③ safety, efficiency of navigation
④ safety, efficiency of marine communication

11. In an emergency of “man overboard”, the watch officer should carry out three simultaneous actions. Which of the following is not one of them?

- ① To transmit a general urgency signal to all ships in the vicinity
② To stop engine
③ To release a life buoy to which a self-igniting light is attached
④ To order the helm hard over towards the side from which the man fell

12. 다음은 항로지정에 사용되는 용어들에 관한 설명이다.
틀린 것은 몇 개 인가?

- ㉠ Recommended Track : A route which has been specially examined to ensure so far as possible that it is free of dangers and along which ships are advised to navigate.
㉡ Precautionary Area : A routing measure comprising an area within defined limits where ship must navigate with particular caution and within which the direction of traffic flow may be recommended.
㉢ Separation Zone or Line : A zone or line separating the traffic lanes in which ships are proceeding in opposite or nearly opposite direction, or separating a traffic lane from the adjacent inshore traffic zone.
㉣ Traffic Lane : An area within definite limits inside which one-way traffic is established. Natural obstacles, including those forming separation zones, may constitute a boundary
㉤ Routing System : A scheme which separates traffic proceeding in opposite or nearly opposite direction by the use of a separation zone or line, traffic lanes or by other means.

- ① 0개(없음) ② 1개 ③ 2개 ④ 3개

13. The difference between the pitch of the propeller and the actual advance of the ship in one revolution is called (). If the pitch is greater than the actual advance per revolution, this is positive ; If the pitch is less than the actual advance of the ship, this is said to be negative.

- ① slip ② cavitation ③ gain ④ speed

14. The intake and exhaust valves are closed and the air in the cylinder is compressed in the () resulting in high temperature.

- ① suction stroke ② expansion stroke
③ compression stroke ④ exhaust stroke

15. 다음의 설명과 가장 관련이 깊은 것은?

Every ship shall at all times maintain a proper action by sight and hearing as well as by all available means appropriate in the prevailing circumstances and condition so as to make a full appraisal of the situation and of the risk of collision, stranding and other hazards to navigation

- ① Navigation ② Look-out
③ Watch arrangement ④ Taking over the watch

16. 다음 빈칸에 공통으로 들어갈 단어로 가장 적합한 것은?

() are vertical partitions of walls. All ships must have a specified number of () depending on their length. By dividing the ship into watertight divisions, they reduce the danger of sinking if one compartment is holed.

- ① Rails ② Bulkheads
③ Compartments ④ Tanks

17. 다음 IAMSAR manual 상 용어의 정의가 옳지 않은 것은 모두 몇 개 인가?

- ㉠ **Emergency phase** : A situation wherein there is a reasonable certainty that a vessel or person is threatened by grave and imminent danger and requires immediate assistance.
㉡ **Alert phase** : A situation wherein uncertainty exists as to the safety of a vessel and the persons on board
㉢ **On-scene co-ordinator** : The commander of a rescue unit designated to co-ordinate search and rescue operations within a specified search area.
㉣ **Search** : An operation to retrieve persons in distress, provide for their initial medical or other needs, and deliver them to a place of safety.

- ① 1개 ② 2개 ③ 3개 ④ 4개

18. 다음은 COLREG(International Regulations for Preventing Collisions at Sea) RULE 8 "Action to avoid collision"에 대한 내용이다. 빈칸에 들어갈 가장 적절한 단어는 무엇인가?

Any action taken to avoid collision shall, if the circumstances of the case admit, be (), made in ample time and with due regard to the observance of good seamanship.

- ① careful ② safe ③ enough ④ positive

19. 다음 ㉠과 ㉡ 빈칸에 차례로 들어갈 말로 가장 옳은 것은?

(㉠) is the circulation and refreshing of the air in a space without necessarily a change of temperature.
(㉡) is the control of temperature and humidity in a space together with the circulation, filtering and refreshing of the air.

- ① (㉠) Air conditioning (㉡) Ventilation
② (㉠) Ventilation (㉡) Air conditioning
③ (㉠) Refrigeration (㉡) Air conditioning
④ (㉠) Ventilation (㉡) Refrigeration

20. 다음 중 SMCP(Standard Marine Communication Phrase) 상 용어와 그 정의에 대한 내용이다. 옳게 짝지어진 것을 모두 고르시오.

- ㉠ **INSTRUCTION** : This indicates that the following message is of interrogative character.
㉡ **ANSWER** : This indicates that the following message is the reply to previous question
㉢ **ADVICE** : This indicates that the following message implies the intention of the sender to inform others about danger.
㉣ **REQUEST** : This indicates that the following message is asking for action from others with respect to the vessel.

- ① ㉠, ㉡ ② ㉡, ㉣
③ ㉡, ㉢, ㉣ ④ ㉢, ㉣