

101年第二次專門職業及技術人員高等暨普通考試航海人員考試

代 號：5301

類科名稱：一等船副

科目名稱：船舶通訊與航海英文

考試時間：1小時

座號：_____

※注意：本試題禁止使用電子計算器

1. GMDSS船舶的下列何種通信設備依規定至少一個月必須自我測試一次？
 - A. 國際海事衛星（INMARSAT）
 - B. 高頻（HF）窄頻帶直接印字（NBDP）
 - C. 航行警告電傳接收機（NAVTEX Rx）
 - D. 應急指位無線電示標（EPIRB）
2. 無線電高頻（HF）頻率範圍是：
 - A. 3-30 GHZ
 - B. 300-3000 MHZ
 - C. 30-300 MHZ
 - D. 3-30 MHZ
3. 摩斯碼，字母“R”的電碼是：
 - A. — — •
 - B. — • —
 - C. • — •
 - D. • — —
4. 單字母信號的意義“I am dragging my anchor.”（我船正在走錨）的字母是：
 - A. Y
 - B. X
 - C. T
 - D. U
5. “雙臂或雙旗胸前交叉”在摩斯手旗通訊中，代表：
 - A. 點（Dot）
 - B. 劃（Dash）
 - C. 點與劃之間的時間隔
 - D. 字母之間的時間隔
6. 用以分隔上下二組旗號時所使用的繩索稱為間索，其長度約為多少公尺？
 - A. 1
 - B. 2
 - C. 3
 - D. 4
7. Over flow means _____ of oil or liquid from tank because of a twofold condition as a result of overflowing.
 - A. spilling
 - B. leakage
 - C. escape
 - D. flooding
8. Reference line is a line _____ on the radar screens in VTS Centers and/or electronic sea-charts separating the fairway for inbound and outbound vessels so that they can safely pass each other.
 - A. show up
 - B. appearance
 - C. displayed
 - D. setting
9. All crew members keep calm. There is no _____ to panic. We have enough life-saving appliances for everyone, and officers know exactly what to do.
 - A. way
 - B. cause
 - C. question
 - D. reason
10. Communication equipment between bridge and steering _____ room is working properly.
 - A. gear

- B.device
C.wheel
D.indicator
11. When two power-driven vessels are meeting on reciprocal or near reciprocal courses, so as to involve risk of collision, which action is the best and correct?
A. The big ship shall stop her engine.
B. The small ship shall stop her engine.
C. Each shall alter her course to starboard.
D. Each shall alter her course to port.
12. A vessel fitted with twin screws is easier in _____ than a vessel with single screw.
A. course setting
B. turning manoeuvre
C. position fix
D. tug boat operation
13. How should you signal the crane operator to RAISE the boom?
A. Extend arm with the thumb pointing up and flex the fingers in and out.
B. Place both fists in front of the body with the thumbs pointing upward.
C. With forearm vertical and forefinger pointing up, move hand in small horizontal circles.
D. Extend arm with fingers closed and point thumb upward.
14. Why the master writes 「at 0300 Test M/E, rudder and other navigational equipment, confirm all in good operation condition」 in the official log book for every departure?
A. confirm the ship was maintained in good condition.
B. confirm the crewmember is qualify for his job.
C. confirm all cargo and its lashing are in sound condition.
D. confirm seaworthiness and due diligent is made.
15. 表示“前一組字錯誤應「作廢」、「取消」”的程序信號是：
A. AAA
B. EEEEEE
C. AA AA AA
D. TTTT
16. 國際信號中，以四位數字表示緯度，前二位數字是代表：
A. 分數
B. 度數
C. 秒數
D. 時數
17. 在GMDSS系統中，船岸間的遠距離通信係由高頻（HF）提供，其頻率經指配於那些頻帶？
A. 1、3、5、7及9 MHz
B. 2、4、6、8及10 MHz
C. 4、6、8、12及16 MHz
D. 5、7、9、14及18 MHz
18. 發出何種顏色的星簇光信號是屬於遇難信號之一？
A. 綠色
B. 紅色
C. 藍色
D. 白色
19. Wind direction NE force _____ 5 in my position.
A. degree
B. scale
C. Beaufort
D. strength
20. TEU: is the abbreviation for Twenty Foot _____ Unit (standard container dimension).
A. Evalute
B. Equal
C. Even
D. Equivalent
21. When enter the lifeboat, do not push each other and assist _____ persons.

- A.damage
B.injured
C.hopeful
D.wishful
- 22.What is the trouble? The rubber of the hatch cover are damaged.
A.seals
B.seels
C.saels
D.seeds
- 23.GMDSS船舶接收海上安全資訊（MSI），其信文代碼為A，則表示：
A.搜救資訊
B.氣象預報
C.尚未規範
D.航行警告
- 24.從事搜救任務的飛機，應以燈號發出那個摩斯碼，以表示其了解地面遇難人員所發出的信號？
A.T
B.RPT
C.N
D.Y
25. (of anchor) means moving of an anchor over the sea bottom involuntarily because it is no longer preventing the movement of the vessel.
A.Draught
B.Dragging
C.Dredging
D.Drifting
- 26.Where should we take the oil sample when bunker is replenished ?
A.Barge' s tank
B.Ship' s bunker site
C.Ship' s oil tank
D.Shore tank
- 27.When the light of a buoy or a lighthouse is inoperative, it should be remarked by in the chart.
A. "unlit"
B. "darkness"
C. "out of order"
D. "missing"
- 28.當前國際海事衛星（INMARSAT）系統，於大西洋區計有幾顆太空衛星在運作中？
A.1
B.2
C.3
D.4
- 29.於GMDSS系統中，使用單工頻率之高頻帶（HF），其指定頻率共有多少個做為遇險及安全操作？
A.5
B.6
C.7
D.8
- 30.某一滿載的電池組容量為60安培小時（AH）供應GMDSS設備，若其負載為12安培，則可持續運作多少小時？
A.4
B.5
C.6
D.7
- 31.下列關於「商船搜索與海難救助手冊」對於「遇險特別標示」之規定的敘述，何者正確？
A.一紅色帆布，其上佈置一白色方形與一白色圓形標誌
B.一白色帆布，其上佈置一紅色方形與一紅色圓形標誌
C.一橙色帆布，其上佈置一黑色方形與一黑色圓形標誌
D.一藍色帆布，其上佈置一白色方形與一白色圓形標誌
- 32.某船進入巴拿馬運河區準備通過運河。「領航人員」上船後便立即起錨，若你是當值船副，試問應該指示當值船員懸掛下列那個「單字母」之旗（信）號表示該輪有領航人員？

- A.F
- B.H
- C.M
- D.U

- 33.根據國際海事組織標準船舶報告制度（SRS），“O（Oscar）”字首之後應報告之內容為何？
- A.目前船舶最大吃水
 - B.所載危險貨物名稱及簡要說明
 - C.離開VTS Zone的時間及地點
 - D.是否有引水人在船
- 34.根據國際海事組織標準船舶報告制度（SRS），“N（November）”字首之後應報告之內容為何？
- A.出發港
 - B.目的港
 - C.下一次報告時間
 - D.船舶本身瑕疵
- 35.根據國際海事組織標準船舶報告制度（SRS），“I（India）”字首之後，下列何者不是應報告之內容？
- A.目的港
 - B.預計抵達時間
 - C.報告形式以6位數字表示時間
 - D.船籍
- 36.依據台中港船舶報告制度規定，下列有關船舶與台中港交通管理業務單位之聯絡規定的敘述，何者錯誤？
- A.船舶距離台中港約30浬前進行報告
 - B.預定到港2小時前進行報告
 - C.以無線電話VHF 16頻道進行聯絡
 - D.以無線電話VHF 14頻道進行聯絡
37. charts are exact copies of paper charts and are produced by digital scanning techniques.
- A.Electronic
 - B.Nautical
 - C.Raster
 - D.Vector
- 38.A ship is said to be in equilibrium, if when inclined, she tends to return to the initial position.
- A.neutral
 - B.stable
 - C.statical
 - D.unstable
- 39.In or near an area of restricted visibility, a vessel not under command shall sound at intervals of not more than two minutes .
- A.one prolonged blast
 - B.two prolonged blast
 - C.one prolonged blast followed by two short blasts
 - D.one prolonged blast followed by three short blasts
- 40.The shall specify details of the general emergency alarm and public address system and also action to be taken by crew and passengers when the alarm is sounded.
- A.Crew List
 - B.Muster List
 - C.Reefer List
 - D.Stowage Plan