

103年第一次專門職業及技術人員高等暨普通考試航海人員考試【舊案補考】

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船舶的那一項設備必須每日測試其功能是否正常？
 - A. 印表機
 - B. 搜救雷達詢答機
 - C. 應急指位無線電示標
 - D. 特高頻雙向無線電話
2. 依照全球航行警告業務區域（NAVAREAS）之劃分，我國海域應屬於第幾區？
 - A. 11
 - B. 12
 - C. 13
 - D. 14
3. 依GMDSS規定搜救雷達詢答機（SART）至少多久必須測試一次？
 - A. 半個月
 - B. 一個月
 - C. 三個月
 - D. 六個月
4. 下列有關特高頻無線電話（VHF）使用紀律的敘述，何者錯誤？
 - A. 禁止使用16頻道作遇險、緊急及安全訊息以外的其他呼叫
 - B. 在港口管制作業頻道上，避免作無關於安全與航行的通信
 - C. 避免占用某一個特定頻道
 - D. 儘量使用低發射功率進行通訊
5. 表示「本船（台）希望與你通訊或請開始發送信號」的程序信號是：
 - A. C
 - B. $\overline{CS}$
 - C. $\overline{AS}$
 - D. K
6. 於GMDSS船舶中，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）
7. 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
8. 船舶利用INMARSAT-C發送遇險之「電報」，此電報的優先等級為何？
 - A. 1
 - B. 2
 - C. 3
 - D. 4
9. 依據SOLAS公約之規定，船舶應配置應急電源，問客船配置的應急電源容量應為多少小時？
 - A. 36
 - B. 38
 - C. 40
 - D. 42
10. 無線電發射標識使用三個符號作為標識，其中第二個符號為數字，其意義為：
 - A. 為單邊帶全載波
 - B. 為主載波之調變方式
 - C. 為被傳送信息之型式

- D.爲對主載波調變信號之特性
- 11.下列何者爲表示「前一組字錯誤應『作廢』、『取消』」的程序信號？
- A. AAA
- B. EEEEEE
- C. AA AA AA
- D. TTTT
- 12.當遇險信號是發射槍砲或爆炸的聲響，則至少每隔多久發一次？
- A.1分鐘
- B.2分鐘
- C.3分鐘
- D.連續發出
- 13.沿岸發生船難，船員棄船乘小艇登陸。但要登陸的地點非常危險，救難人員若要指示「較佳登陸地點」是在該「遇難船」之右側，則夜間可用燈號顯示下列何種代碼？
- A.先發代碼“S”，再發代碼“R”
- B.先發代碼“S”，再發代碼“L”
- C.先發代碼“U”，再發代碼“R”
- D.先發代碼“U”，再發代碼“L”
- 14.「燈號」與「聲音」之通訊可利用「摩爾斯信號」，係由「點（Dot）」與「劃（Dash）」所構成。下列敘述何者錯誤？
- A.一般的燈號通訊，傳送與接收受限於視覺暫留，故不能速度太快
- B.使用氣笛之聲音傳送摩爾斯信號時，由於受到空氣傳音之延遲而不清楚
- C.使用燈光發送摩爾斯信號時，建議「點」的時間單位應該儘量長，「劃」則儘量短
- D.使用氣笛之聲音傳送摩爾斯信號時，建議「點」的時間單位應儘量短，「劃」則儘量長
- 15.於夜間遇險中船舶或人員使用岸上救生器材的聯絡信號，表示「否定」的信號是：
- A.白燈一盞或白色光焰一個作上下揮動
- B.白燈一盞或白色光焰一個作水平揮動
- C.紅燈一盞或紅色光焰作上下揮動
- D.紅燈一盞或白色光焰作水平揮動
- 16.一掛旗由上而下的順序爲：A 5 代一旗 代二旗，其代表的意義爲何？
- A.A 5 A 5
- B.A 5 5 5
- C.A 5 5 A
- D.A 5 A A
- 17.爲避免洩漏通訊內容，嚴格規定通訊方法，以「靜音方式」傳送船艦間之信息。則白天宜以下列何種方式傳送信息？
- A.燈光通信
- B.煙火信號
- C.無線電通信
- D.旗號或手旗通信
- 18.商船在基隆港完成書面簽證手續後準備駛出港口前，應使用VHF特高頻無線電那一個頻道向基隆港埠電台提出出港申請？
- A.16
- B.14
- C.13
- D.12
- 19.高雄港水域，因有二處進出口，劃分爲南北兩區，船舶欲進出高雄港第一港口時，下列敘述何者錯誤？
- A.隸屬高雄港交通服務北區
- B.船舶交通服務區之特高頻無線電守值頻道爲14頻道
- C.領港站之特高頻無線電工作頻道爲12頻道
- D.船舶資訊服務區之特高頻無線電守值頻道爲16頻道
- 20.Cable: connecting a vessel to the anchor(s).（依據IMO SMCP）
- A.Seize wire
- B.Chain
- C.Steel bar
- D.Metal rings

21. Compatibility (of good) indicates whether goods can be safely stowed together in one cargo space or in adjacent hold.
A.various
B.same
C.different
D.associated
22. Your vessel is in position - make .
A.fasten
B.sure
C.fast
D.tight
23. In practice, "Hard-a-port" means to put the rudder at degrees to left side.
A.10
B.20
C.35
D.90
24. Always act immediately if you detect fire or smell or smoke.
A.fire
B.fog
C.fumes
D.explosion
25. Leeway means vessel' s sideways drift of the desired course.
A.upward
B.downward
C.leeside
D.leeward
26. Speed of advance means the speed at which a centre moves. (依據IMO SMCP)
A.cold front
B.high pressure
C.low pressure
D.storm
27. (of wind) means shift of wind direction in an anticlockwise manner.
A.Turn
B.Backing
C.Altering
D.Swing
28. When the draft of a ship fore and aft are the same, is termed "Even " .
A.Draft
B.Keel
C.Depth
D.Clearance
29. When enter the lifeboat, do not push each other and assist persons.
A.damage
B.injured
C.hopeful
D.wishful
30. The maximum of the crane is 30 metres.
A.arm
B.length
C.reach
D.range
31. Safe working load (SWL) means maximum working load of lifting equipment that should not to be .
A.overweight
B.over gauge
C.aggressive
D.exceeded
32. is a device used to measure atmospheric pressure.

- A.Barometer
 - B.Thermometer
 - C.Chronometer
 - D.Clinometer
- 33.Monsoons are characterized by .
- A.strong, cyclonic winds that change direction to conform to the passage of an extreme low-pressure system
 - B.strong, gusty winds that blow from the same general direction all the year
 - C.light, variable winds with little or no humidity
 - D.steady winds that revise direction semiannually
- 34.Cargo of the same like or nature consisting of individual and identical packages and weights in contrast to Heterogeneous Cargo, such as coal, ore, grain, etc., is termed “ cargo” .
- A.Homogeneous
 - B.Homous
 - C.Humorous
 - D.Humidity
- 35.The required number of dual nozzles are on board, and each fire hose together with any necessary fittings and tools kept ready for use in a conspicuous position near water service hydrants or connections.
- A.usage
 - B.alternatives
 - C.selection
 - D.purpose
36. may be either of rigid or inflated construction or a combination of both and shall be capable of carrying at least five seated persons and a person lying on a stretcher.
- A.Freefall boats
 - B.Life boats
 - C.Life rafts
 - D.Rescue boats
37. is a unit responsible for promoting efficient organization and for co-ordinating the conduct of search and rescue operations within a search and rescue region.
- A.CSS
 - B.OSC
 - C.RCC
 - D.SMC
- 38.Please answer the following three questions by the following message:
- PLS B ADVSD THAT BAY 24 ON DK CNTR COLLAPSED AT ABT 0230 HRS OF 1225 AT 46-45N 179-50W DUE TO HEAVY SWELL FM P’ SIDE ASTERN ROLLING 32 DEGREES SUDDENLY. CGO WITH ITS PSN 241208, 241210, 241212 CNTRS O/B 2 SEA, CTIU8879576 N MLTU 8316457 DG CLASS 9 LEAKAGE N 15 PC LASHING BAR N 6 PC TURNBUCKLE WERE FOUND BROKEN. DAMAGE CONTROLL IS MADE BY CREW BUT SLOWLY DUE TO SHIPPING SEAS PLUS DARK. DETAIL REVERTING. PLS ARNG S/R WHEN 312359 LA ARR.
- According to the message, how many containers were over board?
- A.Two
 - B.Three
 - C.Six
 - D.Fifteen
- 39.When was the accident happened?
- A.New Year
 - B.Christmas
 - C.Thanksgiving Day
 - D.30 February
- 40.In general, what will be happened when ship alongside at Los Angeles?
- A.PSC staff will detain the ship
 - B.ITF inspector comes for investigation
 - C.Surveyor will come onboard
 - D.No shore pass will be issued