

## MARITIME OPERATIONS

### QUESTIONS FOR THE PORT OF CAIRNS

1. Describe the Cairns Pilotage area.
2. What are the outlying dangers off Cairns?
3. Fully describe how the entrance channel is marked.
4. Fully describe the Navigation aids in Trinity Inlet.
5. a) Describe the Leading Lights for the Entrance Channel.  
  
b) Describe the Leading Lights for Trinity Inlet.
6. a) What is the dredged width of the Entrance Channel?  
  
b) What is the width between beacons in the Entrance Channel?  
  
c) What is the dredged depth of the Entrance Channel?
7. a) What is the minimum UKC required in the Entrance Channel?  
  
b) What is the minimum UKC required in Trinity Inlet?
8. Describe how the current sets, in both Ebb and Flood in the vicinity of : a) Beacons C12 and C14  
b) Beacon C20
9. List all numbered berths, giving their length, least depth of water alongside at LAT.
10. What are the prohibited anchorage's in Trinity Inlet?

11. Detail the sailing directions for entering the Port of Cairns:
  - a) by day
  - b) by night
  
12. Explain why one large vessel should be allowed to clear the channel before another vessel enters the dredged channel.
  
13. What are the speed limits for both Trinity Inlet and the Entrance Channel?
  
14. On departure, what difficulties may be experienced in channels, on the Ebb tide or heavy rains?
  
15. What precautions should be taken by ships Masters whilst transiting the Entrance Channel in the vicinity of Beacon No 18?
  
16. How are the times and heights of tides in the Port of Cairns predicted?
  
17. How are the times and heights of tides at the Cairns Fairway Beacons predicted?
  
18. What particular precautions should be observed when navigating the port during:
  - a) Strong SE'ly winds?
  - b) Strong Ebb tides?
  
19. Briefly explain the VHF procedures for the Port of Cairns.
  
20. Are you acquainted with the Harbour regulations and the requirements of the Queensland Transport Operations ( Marine Safety ) Act, and Quarantine Act?

ADDITIONAL QUESTIONS FOR SMITHS CREEK EXTENSION

1. What is the best time of tide approach and traverse Smiths Creek?
2. How does the tide set at the entrance to the creek?
3. What dangers exist at the entrance to Smiths Creek?
4. What is the speed limit for Smiths Creek?
5. Describe fully the Navigation Aids in Smith Creek.
6. What is the width of Smiths Creek, off NQEA hydraulics wharf?

Examiners Signature.....Place and Date.....

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Note - In addition to the above, the Examiner may ask any other question he considers necessary to satisfy himself that the candidate is thoroughly qualified to hold a Pilotage Exemption Certificate.

**THE CANDIDATE IS TO PRESENT A PASSAGE PLAN DETAILING THE VESSEL'S COURSE INTO PORT AND HIGHLIGHTING SHOAL AREAS THAT THE VESSEL MUST AVOID.**

Candidate's Signature.....Place and Date.....