

INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
End Semester Examination Dec 2019/Jan 2020
B.Sc. (Nautical Science)
Semester -VI
UG21T3601- Voyage Planning & ECDIS

Date: 30-12-2019

Max Marks: 70

Time: 3 Hour

Pass Marks: 35

Note: Question No. 1 is compulsory.

Answer any 6 questions from remaining 8 questions (each of 10 marks).

Scientific Calculator is permitted if required.

- Q.1 (2 x 5 =10 marks)
- (a) State what information is permanently shown in ECDIS IMO Base Display?
 - (b) Define what is the responsibility of vessels under GMDSS?
 - (c) Define what is Sea area A2?
 - (d) State the 4 ECDIS alarm requirements?
 - (e) State any 4 important information required for planning a voyage?
- Q.2. Explain what are T&P notices and how T&P notices and navigation warnings are corrected on board? (10 marks)
- Q.3. Briefly describe how the appraisal of a passage planning is carried out and what are the different nautical publications which will be used during this stage? (10 marks)
- Q.4. What is the 4th stage of a Passage Plan, and explain how this stage is executed? (10 marks)
- Q.5. (a) What are the objectives of Bridge Resource Management? (5 marks)
(b) How do you implement Bridge Resource Management on your vessel? (5 marks)
- Q.6. (a) Explain your understanding of ship reporting system? (5 marks)
(b) What are the objectives of Ships Routing? (5 marks)
- Q.7. Explain the IMO Performance Standards for ECDIS and the advantages of ECDIS over paper chart? (10 marks)
- Q.8. Write in detail your understanding of GMDSS and what are the different elements used in GMDSS? (10 marks)
- Q.9. (a) Explain your understanding of a TSS and what are its objectives? (5 marks)
(b) Explain what are Admiralty sailing Directions and how it is corrected? (5 marks)
