

DE-7/2021/83

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

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Name:		Reg.No.		Signature:	
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DEPARTMENTAL TESTS — JULY, 2021

Total Number of Questions : 100

[Time : 1½ hours

(Maximum Marks : 100)

INSTRUCTIONS TO CANDIDATES

1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. A, B, C & D.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so the fact should be brought to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball-Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative marks for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over the Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.
14. **If any candidates make a marking of answer in the question paper and exchange with other candidate during the course of the examination, the answer script will be invalidated and the candidates will be debarred for a minimum period of 2 years from appearing the Departmental Tests.**

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Maximum : 100 marks

Time : 1½ hours

1. Public canal means :
(A) Canal for irrigation (B) Canal made by public
(C) Canal used for navigation (D) Lined canals
2. The certificate issued by the inspector of the vessel would contain :
(A) The name of owner (B) Name of boat
(C) Number of passenger (D) Name of ferry
3. The accident of a vessel should be reported within a period of :
(A) 6 Hrs (B) 12 Hrs
(C) 24 Hrs (D) 36 Hrs
4. Person having the control of a vessel :
(A) Passenger (B) Master
(C) Owner (D) Inspector
5. A vessel is said to be abandoned in canal without a competent person :
(A) It is left for more than one week
(B) It is left for more than three weeks
(C) It is left for more than two weeks
(D) It is left for more than four weeks
6. The property left in vessel by a passenger should be reported by master or other person :
(A) within 24 Hrs (B) within 20 Hrs
(C) within 18 Hrs (D) within 16 Hrs
7. A place at which goods and passengers are conveyed is called :
(A) Landing (B) Ferry
(C) Boat Jetty (D) Cargo landing

8. When the owner of a vessel sells or destroys the vessel, he should inform this to :
- (A) Canal Officer (B) Inspector of boats
(C) Master (D) Chief Inspector of boats
9. The Inspection certificate should be kept in :
- (A) The masters chamber
(B) Register book
(C) On the conspicuous pond of the vessel
(D) In the engine room
10. Exemption for registration faced on tonnage :
- (A) Less than two ton (B) Less than one ton
(C) Less than 500 kg (D) Less than 250 kg
11. The validity of inspection certificate is :
- (A) Four years (B) Three years
(C) Two years (D) One year
12. The maximum time within which the accident or wreckage of vessel should be reported to canal of police officer :
- (A) 3 Hrs (B) 6 Hrs
(C) 12 Hrs (D) 24 Hrs
13. The minimum area required per passenger in a vessel is :
- (A) 9.5 ft² (B) 8 ft²
(C) 5 ft² (D) 3 ft²
14. Identify the one which is not pond of TS canal :
- (A) Vambanad lake (B) Astamudi lake
(C) Periyar lake (D) Paranoor lake
15. Which of the following is not a canal office?
- (A) Trivandrum (B) Quilon
(C) Vaikom (D) Trichur

16. Goods landed at a wharf shall be removed within :
- (A) 24 Hrs (B) 48 Hrs
(C) 12 Hrs (D) 36 Hrs
17. The maximum length of vessels that can travel in TS canal :
- (A) 55 ft (B) 60 ft
(C) 63 ft (D) 65 ft
18. The maximum speed of steam vessel in the tunnel is :
- (A) 2 miles / Hr (B) 3 miles / Hr
(C) 4 miles / Hr (D) 5 miles / Hr
19. The vessel can be repaired in the canal :
- (A) without permission of canal officer
(B) with the permission of canal officer
(C) it cannot be done in the canal
(D) none of the above
20. Which marks and figures are not to be painted on the vessel?
- (A) No. of licence (B) Tonnage of vessel
(C) No. of passengers (D) Length of vessel
21. The minimum width of a vessel for allowing passengers in upper deck :
- (A) 18 ft (B) 16 ft
(C) 12 ft (D) 8 ft
22. Free luggage per person in third class allowed :
- (A) upto 8 cft (B) upto 5 cft
(C) upto 2 cft (D) upto 3 cft
23. Certificate of Inspection of boats are issued by :
- (A) Inspector of boats (B) Chief Inspectors of boats
(C) Master of boat (D) Chief Engineer

24. Certificate of fitness for steam vessels are issued in form :
- (A) D (B) C
(C) B (D) A
25. The table of forms need to be posted in :
- (A) The boat (B) Jetty
(C) Both in boat and jetty (D) None of the above
26. The inspector has to submit the progress report of work to chief inspector of boats :
- (A) At every ten days (B) At every fifteen days
(C) At every twenty days (D) At every thirty days
27. The hull of the vessel has to be inspected by :
- (A) Inspector (B) Chief Inspector of boats
(C) Master of boats (D) Chief Engineer
28. Every boiler of steam vessel has :
- (A) One safety valves (B) Two safety valves
(C) Three safety valves (D) Four safety valves
29. No steam vessel with passenger capacity less than fifty is permitted to non services in :
- (A) Canals (B) Tunnels
(C) Both canals and tunnels (D) Lakes
30. Number of life buoys required for a vessel as per ports standards in 35 to 40 ft long vessels :
- (A) 4 (B) 5
(C) 6 (D) 7
31. The life buoy is to be regarded as a buoyancy for :
- (A) Two persons (B) Three persons
(C) Four persons (D) Five persons
32. Number of fire buckets required for a steam vessel of 80 ft long and upwards :
- (A) 3 (B) 4
(C) 6 (D) 8

33. The pipe conveying fuel to the carburetor shall be of :
- (A) Steel (B) Copper
(C) Brass (D) Aluminium
34. One driver, one syrang and one lascar possessing respective classes of competency is applicable to vessels of :
- (A) 8 tonnage (B) 6 tonnage
(C) 5 tonnage (D) 3 tonnage
35. Free boards of cargo vessels of state inland water transport having 80' and more length :
- (A) 2'8" (B) 2'6"
(C) 2'4" (D) 2'2"
36. The certificate issued to masters / drivers is valid for a period of :
- (A) 1 year (B) 2 years
(C) 3 years (D) 4 years
37. Log book and traffic registers shall be maintained by :
- (A) Master (B) Syrang
(C) Engine driver (D) Canal officer
38. Property left by the passenger in a vessel should be reported to :
- (A) Master (B) Owner
(C) Engine drivers (D) Police Station
39. Identify the authority for conducting examination for Masters, Drivers, Syrange and Lascar :
- (A) Chief Engineer (B) Chief Inspector of boats
(C) Inspector of boats (D) None of the above
40. The minimum age of person desirous of obtaining a master certificate :
- (A) 24 years (B) 22 years
(C) 20 years (D) 18 years
41. The masters certificate will be issued in form :
- (A) A (B) C
(C) E (D) H

42. The minimum age limit for getting a drivers certificate :
- (A) 25 years (B) 23 years
(C) 21 years (D) 20 years
43. In case of an accident it should be noted in log book and shown to the jetty supt. within :
- (A) 24 Hrs (B) 12 Hrs
(C) 6 Hrs (D) 1 Hr
44. The inspecting officer can stop a vessel at any time :
- (A) True
(B) False
(C) Can be done only on request
(D) Can be done at specific stations
45. Based on the request of owner a second inspection can be done
- (A) False (B) True
(C) Only on specific cases (D) Eligible without additional fee
46. Penalties for navigating a public canal in contravention of Section 6 or 11 :
- (A) Rs. 100 (B) Rs. 200
(C) Rs. 300 (D) Rs. 400
47. Penalty for making fraudulent marks as the vessel :
- (A) Rs. 50 (B) Rs. 100
(C) Rs. 150 (D) Rs. 200
48. Penalty for using expired licenses :
- (A) Rs. 200 (B) Rs. 250
(C) Rs. 100 (D) Rs. 150
49. Penalty for having excessive number of passengers on board in a steam vessel :
- (A) Rs. 10 / passenger (B) Rs. 2 / passenger
(C) Rs. 5 / passenger (D) Rs. 8 / passenger
50. Penalty for failure to give notice of any structural alteration or renewal :
- (A) Rs. 100 (B) Rs. 200
(C) Rs. 300 (D) Rs. 400

51. Penalty for engaging an engine drivers without a certificate :
- (A) Rs. 400 (B) Rs. 500
(C) Rs. 600 (D) Rs. 700
52. Penalty for misconduct of a person engaged in a vessel :
- (A) Rs. 500 (B) Rs. 400
(C) Rs. 300 (D) Rs. 200
53. Registration is exempted for vessels having a tonnage less than :
- (A) 500 kg (B) 1000 kg
(C) 1500 kg (D) 2000 kg
54. Altered vessels should have :
- (A) Revised certificate (B) A fresh certificate
(C) Modified certificate (D) No change required
55. Vessels shall be berthed at Wharfs according to the instructions of :
- (A) Canal officer (B) Master
(C) Inspector of boats (D) Owner
56. Earned money for construction of a private jetty :
- (A) Rs. 25 (B) Rs. 50
(C) Rs. 100 (D) Rs. 150
57. The final approval of design of jetties shall be done by :
- (A) Canal officer (B) Chief Inspector of boats
(C) Executive Engineer (D) Chief Engineer
58. Stability test of the vessel is done with a weight per person of :
- (A) 175 lbs (B) 160 lbs
(C) 140 lbs (D) 130 lbs
59. Vessels travelling through the canals shall keep :
- (A) Left side (B) Right side
(C) Middle side (D) None of the above

60. Disposal of confiscated articles can be done by :
- (A) Master (B) Owner
(C) Inspector (D) Canal officer
61. Passenger carrying capacity is noted on the vessel with the letter prefixed :
- (A) PC (B) C
(C) P (D) None of the above
62. Repair of a vessel in a canal can be done with the permission of :
- (A) Master (B) Canal officer
(C) Inspector (D) Chief Inspector of boats
63. Occurrence of disease in a vessel shall be reported by :
- (A) Master (B) Canal officer
(C) Owner (D) Inspector
64. Area required for a first class passenger in a vessel is :
- (A) 10 ft² (B) 15 ft²
(C) 20 ft² (D) 25 ft²
65. No passenger shall be allowed in upper deck in vessels whose width is less than :
- (A) 8 ft (B) 9 ft
(C) 10 ft (D) 12 ft
66. Height of rails of vessel under 50 ft long :
- (A) 2' (B) 2'6"
(C) 3' (D) 3'6"
67. Time table fixed by Chief Engineer shall not be altered within a period of :
- (A) 12 months (B) 6 months
(C) 2 years (D) 3 years

68. A crew member should not be allowed to work continuously for a period more than :
- (A) 8 Hrs (B) 9 Hrs
(C) 10 Hrs (D) 12 Hrs
69. Extra services due to increase in passenger in a day can be sanctioned by :
- (A) Canal officer (B) Master
(C) Inspector (D) Chief Inspector of boats
70. The Chief Inspector of boats can cancel the certificate issued by Inspector :
- (A) No (B) Yes
(C) Jointly cancel (D) None of the above
71. Who is authorised to check the stability of vessel?
- (A) Inspector (B) Chief Inspector of boats
(C) Canal officer (D) Chief Engineer
72. Fitness certificate in D form will be issued for a period of :
- (A) 3 years (B) 2 years
(C) 1 year (D) 6 months
73. The hull planks of passenger vessels should have a minimum thickness of :
- (A) 1" (B) 1.5"
(C) 2" (D) None of the above
74. External diameter of life buoy shall be :
- (A) 15" (B) 20"
(C) 25" (D) 30"
75. The life buoy should carry at least _____% of passengers.
- (A) 60% (B) 70%
(C) 80% (D) 90%

76. Number of fire buckets required for a vessel under 40 ft length :
- (A) One (B) Two
(C) Three (D) Four
77. Who will the maintain the registers of steam vessels and boat crew?
- (A) Canal officer (B) Master
(C) Inspector (D) Chief Inspector of boats
78. Examiner is conducting examination for masters, Engine Drivers etc is :
- (A) Chief Engineer (B) Executive Engineer
(C) Chief Inspector of boats (D) Canal officer
79. Probationary licence for masters and engine drivers is issued in form :
- (A) A (B) D
(C) D1 (D) O
80. Training period of master, engine driver etc with probationary licence :
- (A) 6 months (B) One year
(C) 18 months (D) Two year
81. Application of candidates for masters, engine driver etc are made in form :
- (A) A (B) D
(C) G (D) None of the above
82. Examination fee of master certificate is :
- (A) Rs. 50 (B) Rs. 30
(C) Rs. 20 (D) Rs. 15
83. Log book of motor boat shall be in form :
- (A) D (B) L
(C) K (D) H
84. Fees for grant of inspection certificate to steam vessels of less than 10 tons capacity :
- (A) Rs. 25 (B) Rs. 30
(C) Rs. 50 (D) Rs. 100

85. Certificate of registration for vessels intended for personal use of the owner is issued by :
- (A) Canal officer (B) Inspector
(C) Executive Engineer (D) Chief Inspector of boats
86. The probationary licence issued to masters, drivers etc is to be countersigned by :
- (A) Canal officer (B) Inspector
(C) Chief Inspector of boats (D) Chief Engineers
87. Every _____ of cargo is treated as one passenger.
- (A) 5 cft (B) 10 cft
(C) 15 cft (D) 20 cft
88. Penalty for breach of section 25.
- (A) Rs. 300 (B) Rs. 400
(C) Rs. 500 (D) Rs. 600
89. Penalty for breach of section 16 :
- (A) Rs. 50 (B) Rs. 60
(C) Rs. 70 (D) Rs. 80
90. Penalty for master fowling to give notice of wreck or causality:
- (A) Rs. 400 (B) Rs. 500
(C) Rs. 600 (D) Rs. 700
91. Whether fishing vessels can ply in the canals and back waters :
- (A) No (B) Yes
(C) Licence required (D) None of the above
92. The validity period of licence is for a period of :
- (A) 4 years (B) 3 years
(C) 2 years (D) 1 year
93. The registered tonnage of a motor vessel is obtained by multiplying length ; breadth and depth in feet and dividing if by :
- (A) 25 (B) 50
(C) 100 (D) 150

94. One adult is equivalent to two children under _____ years and above 3 years.
- (A) 12 (B) 15
(C) 10 (D) 8
95. In case of loss of certificate of licence a pass will be issued in :
- (A) Form B (B) Form D
(C) Form F (D) Form L
96. Private jetties can be constructed through PWD if the amount required is deposited with :
- (A) Chief Engineer (B) Canal officer
(C) Executive Engineer (D) Chief Inspector of boats
97. An anchored vessel shall exhibit a :
- (A) Green light (B) Red light
(C) White light (D) Yellow light
98. The penalty for failure to adhere to the time table shall be done by :
- (A) Canal officer (B) Inspector
(C) Chief Engineer (D) Executive Engineer
99. Date and place of Inspection of a vessel shall be fixed by :
- (A) Chief Inspector of boats (B) Chief Engineer
(C) Inspector of boats (D) Canal officer
100. Certificate for hull and stability is issued in :
- (A) Form D-1 (B) Form D-2
(C) Form F (D) Form L

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK