

DE-7/2021/63

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

--

Name:		Reg.No.		Signature:	
-------	--	---------	--	------------	--

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.**

DE-7/2021/63

Maximum : 100 marks

Time : 1½ hours

1. Major Port has been defined in _____ of the Indian Ports Act, 1908.
(A) Section 3(8) (B) Section 4(8)
(C) Section 3(10) (D) Section 4(10)
2. _____ means a ship exclusively employed in trading between any port or place in India and any other port or place on the continent of India or between ports or places in India and ports or places in Ceylon or Burma.
(A) Foreign going ship (B) Coasting ship
(C) Trading ship (D) All the above
3. Loose gear includes :
(A) hook (B) shackle
(C) sling (D) all the above
4. The term “vessels restricted in their ability to manoeuvre shall include :
(A) a vessel engaged in laying a navigation mark
(B) a vessel engaged in dredging
(C) a vessel engaged in replenishment or transferring persons, provisions or cargo while underway
(D) all the above
5. _____ is the Marine Adviser to the State Government.
(A) Port officer (B) State port officer
(C) Port conservator (D) All the above
6. A compass works on _____ property.
(A) Electric (B) Sound
(C) Magnetic (D) Light
7. Information shall be given to _____ in case the Master of the vessel on arrival gives the maritime declaration of health to the Port Officer or Conservator.
(A) The agents (B) Port Director
(C) The Port Health Officer (D) Customs officer

8. Whose duty is to Inspect and Licensing of Harbour Crafts plying within the port limits and conducting the examinations for candidates for Certificate of Competency as Serang under the Harbour Craft Rules?
- (A) Port director (B) Port Officer
(C) Senior Port Conservator (D) Port Conservator
9. A vessel restricted in her ability to manoeuvre shall exhibit :
- (A) Two all-round red light in a vertical line
(B) Three all-round red light in a vertical line
(C) Three all-round lights in a vertical line, the highest and lowest lights are red and middle light white
(D) None of the above
10. The Kerala Port Department performs functions on behalf of the Central Government :
- (A) Registration of sailing vessels under the Merchant Shipping Rules
(B) Conducting tonnage measurement of sailing vessels under the Merchant
(C) Issuing Free Board Certificates under Sailing Vessels
(D) All the above
11. _____ means being driven by the current with the engine stopped.
- (A) Moving (B) Drifting
(C) Dragging (D) Sailing
12. Load line rules are not applicable to :
- (A) Fishing vessel (B) Pleasure yacht
(C) Ship of war (D) All above
13. Documents to be retained by registrar includes :
- (A) The surveyors certificate (B) The builders certificate
(C) All declaration of ownership (D) All the above
14. Rudder is used to :
- (A) See the distant object (B) Change the direction
(C) Check the water depth (D) All the above
15. As per KIV rules, every vessel shall be subjected to the surveys :
- (A) A survey before the vessel is put in service
(B) A periodical survey once in every twelve months
(C) Additional surveys as occasion demands
(D) All the above

16. Instrument creating a transfer of a mortgage or a share therein shall be in Form No.
- (A) 19 (B) 20
(C) 21 (D) 22
17. The submerged portion of a vessel in water is called :
- (A) Draft (B) Freeboard
(C) Ship side (D) Air draft
18. Who is authorised to note and extend Marine Protests?
- (A) The Port Officers (B) Port Conservators
(C) Both (A) and (B) (D) None of the above
19. Section 39 (1) of the Indian Ports Act, 1908 (XV of 1908) requires that within _____ after the arrival within the limits of any port of any vessel liable to the payment of port dues as per the rate in existence.
- (A) twenty-four hours (B) one hour
(C) 48 hours (D) thirty days
20. In determining a safe speed, which of the following factors shall be taken into account :
- (A) the state of visibility
(B) the traffic density including concentrations of fishing vessel or other vessels
(C) the manoeuvrability of the vessel with special reference to stopping distance and turning ability in the prevailing conditions
(D) all the above
21. The following ships shall be exempted from the payment of light - dues under the light house Act :
- (A) Any Cargo ship
(B) A foreign Prince or State and not carrying cargo or passengers for freight or fares
(C) Ship of a tonnage of more than fifty tons
(D) All the above
22. The maximum load that may be imposed with safety in the normal working conditions and as assessed and certified by the competent person is called :
- (A) Full load (B) Maximum load
(C) Safe working load (D) None of the above
23. The National Flag shall be displayed on the following occasions :
- (A) Republic Day (26th January) (B) National Week
(C) Mahatma Gandhi's Birth Day (D) All above

24. Port dues shall be levied on pleasure yacht :
- (A) Half (1/2) (B) Nil
(C) Full amount (D) Double the amount
25. Arc of visibility of side light as per rules :
- (A) 22.5 degrees (B) 225 degrees
(C) 112.5 degrees (D) 135 degrees
26. Pilot vessel shall exhibit two all round lights in a vertical line :
- (A) Red over white (B) White Over red
(C) Green over white (D) White over green
27. The limit up to which cargo can be carried on a vessel is called :
- (A) Draft (B) Freeboard
(C) Loadline (D) All above
28. Which one is not a port registry for inland vessels?
- (A) Valiathura, Trivandrum (B) Vizhinjam
(C) Kollam (D) None of the above
29. A vessel aground shall exhibit at day time :
- (A) 2 balls in a vertical line (B) 3 balls in a vertical line
(C) 2 cylinders in a vertical line (D) 3 cylinders in a vertical line
30. As per Port Manual, Port dues to be paid by any vessel which, having entered any port, leaves it within forty-eight (48) hours without discharging or taking in any passengers or cargo :
- (A) Half (1/2) (B) Nil
(C) Full amount (D) Double the amount
31. Arc of visibility of stern light as per rules :
- (A) 135 degrees (B) 130 degrees
(C) 112.5 degrees (D) 225 degrees
32. A vessel when engaged in trawling, shall exhibit
- (A) Red over white (B) White over red
(C) Green over white (D) White over green

33. Receipt for port dues is KPM form no. :
- (A) 18 (B) 19
(C) 20 (D) 21
34. While entering port, marking of Red buoys :
- (A) Right side of the channel (B) Left side of the channel
(C) At the centre of the channel (D) None of the above
35. The K.P.M. Form No. _____, should be adopted for grant of licence.
- (A) 55 (B) 57
(C) 58 (D) 59
36. As per buoyage system, _____ has navigable water all around it but does not mark a danger.
- (A) Cardinal Marks (B) Isolated danger mark
(C) Safe water mark (D) Special mark
37. Marine purposes for which the use of Government lands in port limits shall be considered:
- (A) For hauling up a cargo or other boat
(B) For building a cargo or other boat
(C) For saw pits or sheds
(D) All the above
38. Notices dealing with subjects of a permanent nature is called :
- (A) Notice to Mariners (B) Navigational warning
(C) Temp warning (D) None of the above
39. All harbour crafts plying at a port to be :
- (A) Duly registered
(B) Their licences clearly express the number of men by which they are to be manned and the quantity of cargo or number of persons or both or the number
(C) Description of animals they are licensed to carry
(D) All the above
40. A vessel not under command shall exhibit :
- (A) Two all-round red light in a vertical line
(B) Three all-round red light in a vertical line
(C) Three all-round light in a vertical line, the highest and lowest lights are red and middle light white
(D) None of the above

41. A bill of health is required in the case of a vessel arriving from :
- (A) South American countries (B) Gulf countries
(C) Infected countries (D) Far eastern countries
42. The receipts of the Kerala Port Department comprise of :
- (A) Port dues (B) Import and export dues
(C) Tug charges (D) All above
43. Merchant shipping act came in :
- (A) 1908 (B) 1958
(C) 2010 (D) None of the above
44. Any person (except a pilot or harbour master) having command or charge of a ship is called :
- (A) Officer in charge (B) Chief Officer
(C) Master (D) Chief Engineer
45. A cargo ship constructed or adapted for the carriage in bulk of liquid cargoes of an inflammable nature :
- (A) Bulk cargo vessel (B) Tanker
(C) General carrier (D) All above
46. The person in command or charge of a sailing vessel :
- (A) Officer in charge (B) Bosun
(C) Tindal (D) Commander
47. As per KIV rules, for the purposes of LSA/FFA, inland vessels are classified in to _____ class.
- (A) Two (B) Three
(C) Four (D) Five
48. As per KIV rules, requirement for Vessels of Class I is to have
- (A) Sufficient number of life rafts or buoyant apparatus to accommodate at least 50% number of passengers and crew on board
(B) Sufficient number of life rafts or buoyant apparatus to accommodate at least 100% number of passengers and crew on board
(C) Sufficient number of life rafts or buoyant apparatus to accommodate at least 25% number of passengers and crew on board
(D) None of the above

49. As per KIV rules, Non- propelled vessels (Barges) are coming under :
- (A) Class I (B) Class II
(C) Class III (D) None of the above
50. The term "Restricted visibility" means any condition in which visibility is restricted by :
- (A) Fog (B) Mist
(C) Heavy rainstorms (D) All above
51. By all vessels, in determining a safe speed which factors shall be taken into account :
- (A) The state of visibility
(B) The traffic density
(C) Concentrations of fishing vessels or any other vessels
(D) All above
52. A port of registry for ships under the Merchant Shipping Act, 1958 :
- (A) Kollam (B) Kozhikode
(C) Cochin (D) None of the above
53. As per KIV rules, Passenger vessels, Ferry launches and boats are coming under :
- (A) Class I (B) Class II
(C) Class III (D) None of the above
54. An official log shall be kept in the prescribed form in every Indian ship except a home trade ship of less than :
- (A) Hundred tons gross (B) Two hundred tons gross
(C) Three hundred tons gross (D) Five hundred tons gross
55. The master of a ship for which an official log is required shall enter or cause to be entered in the official log book :
- (A) Every conviction by a legal tribunal of a member of his crew and the punishment inflicted
(B) Every offence committed by a member of his crew for which it is intended to prosecute
(C) Every offence for which punishment is inflicted on board and the punishment inflicted
(D) All above
56. _____ is authorised to make enquiries with regard to jettisoning of cargo from sailing.
- (A) Port Conservator, Calicut (B) The Port Officer, Calicut
(C) Senior port conservator, Beypore (D) All the above

57. A ship intended to carry special trade passengers from or to a port or place in India to or from a port or place outside India shall not commence a voyage from any port or place appointed under MS act unless the master holds :
- (A) a passenger ship safety certificate
 - (B) certificate B
 - (C) a special trade passenger ship space certificate
 - (D) all above
58. Local Lighthouses :
- (A) Calicut
 - (B) Badagara
 - (C) Cannanore
 - (D) All above
59. As per KIV rules, except for that vessels operating in sheltered waters, total number of passengers permitted to be carried during the off season shall not exceed _____ the total number allowed for fair season.
- (A) Two third
 - (B) One third
 - (C) Half
 - (D) Full
60. Every vessel over _____ shall be provided with an echo sounder.
- (A) 50 ton
 - (B) 100 ton
 - (C) 150 ton
 - (D) 200 ton
61. Fire extinguishers are of :
- (A) Form type
 - (B) Water type
 - (C) Chemical type
 - (D) All above
62. The principal types of marks employed in the cardinal system :
- (A) Conical
 - (B) Cylindrical
 - (C) Spindle and Spar
 - (D) All above
63. General Lighthouses are administered by the _____ under section 5 (I) of the Indian Lighthouse Act, 1927.
- (A) State Government
 - (B) Central Government
 - (C) Port Department
 - (D) Lighthouse Officer
64. A non major port in south Kerala :
- (A) Kollam
 - (B) Beypore
 - (C) Azhikal
 - (D) All above

65. Extinguisher which can be used for an Oil fire :
- (A) Any type (B) Water type
(C) Form type (D) All above
66. A vessel proceeding along the course of a narrow channel or fairway shall keep as near to the outer limit of the channel or fairway which lies on her _____ as is safe and practicable.
- (A) Port side (B) Starboard side
(C) Both sides (D) None of the above
67. Passenger vessel certificate A shall be in the prescribed form and contain
- (A) that the ship is seaworthy
(B) that the ship is properly equipped, fitted and ventilated
(C) the number of special trade passengers the ship is certified to carry
(D) All the above
68. Note of protest shall be given in the form
- (A) KPM 50 (B) KPM 28
(C) KPM 12 (D) KPM 5
69. Which all categories of employees of the Port Department have to pass the Kerala Port Department Test for the satisfactory completion of probation?
- (A) Wharf Supervisors (B) Port Officers
(C) Pier Masters and Cargo Supervisors (D) All above
70. General Lighthouses:
- (A) Quilon (Thangasseri Point) (B) Alleppey
(C) Cochin (D) All above
71. Marpol deals with :
- (A) Safety (B) Pollution
(C) Fire fighting (D) All above
72. A life saving equipment :
- (A) Compass (B) Walkie talkie
(C) Life jacket (D) Echo sounder
73. Fire triangle consist of :
- (A) Oxygen (B) Fire extinguisher
(C) CO₂ (D) All above

74. SOLAS deals with :
- | | |
|---------------|---------------------|
| (A) Pollution | (B) Port facilities |
| (C) Safety | (D) Infrastructure |
75. Fire extinguishers to be tested by discharge once in _____ from the date on which an extinguisher was last tested.
- | | |
|------------------|---------------------|
| (A) Three months | (B) Year |
| (C) Half year | (D) Every five year |
76. Application for Harbour Craft Licence :
- | | |
|--------------------|--------------------|
| (A) KPM form no.54 | (B) KPM form no.24 |
| (C) KPM form no.34 | (D) KPM form no.44 |
77. For a passenger ship certificate B shall be in the prescribed form and shall state :
- | |
|--|
| (A) The voyage which the ship is to make, and the intermediate ports (if any) at which she is to touch |
| (B) That she has the proper complement of officers and seamen |
| (C) That the master holds a certificate of survey and certificate A |
| (D) All above |
78. A vessel shall be deemed to be overtaking when coming up with another vessel from a direction more than _____ abaft her beam.
- | | |
|------------------|-----------------|
| (A) 225 degrees | (B) 180 degrees |
| (C) 22.5 degrees | (D) 90 degrees |
79. _____ means a group of vessels, floating equipments or raft towed or pushed by a mechanically propelled vessel.
- | | |
|----------------------|-----------------------|
| (A) Groups | (B) Convoy |
| (C) Both (A) and (B) | (D) None of the above |
80. Form for expressing the intention to build a new vessel as per KIV rules :
- | | |
|------------|------------|
| (A) Form 1 | (B) Form 5 |
| (C) Form 8 | (D) Form 9 |
81. Application for Survey of Inland Vessel :
- | | |
|------------|------------|
| (A) Form 1 | (B) Form 2 |
| (C) Form 3 | (D) Form 4 |
82. For a fire on wood and paper _____ extinguisher can be used.
- | | |
|---------------------|----------------|
| (A) CO ₂ | (B) Water type |
| (C) Powder type | (D) All above |

83. India is in :
- (A) North Pole (B) Northern hemisphere
(C) South Pole (D) Southern hemisphere
84. There are _____ systems of buoyage.
- (A) Three (B) Four
(C) Two (D) One
85. The total weight of the vessel equal to the water it displaces is called :
- (A) Displacement (B) Deadweight
(C) Light ship (D) None of the above
86. A point on the vessel through which all forces of gravity act vertically downwards is called :
- (A) Centre of buoyancy (B) Centre of gravity
(C) Metacentre (D) None of the above
87. The difference between the fore and aft draft is called :
- (A) Mean draft (B) Medium draft
(C) Trim (D) List
88. _____ is the machinery to retractable anchor and chain on board using electric motor and hydraulic motor as power.
- (A) Windlass (B) Crane
(C) Fairlead (D) Capstan
89. For a fire _____ is required.
- (A) Nitrogen (B) Carbon dioxide
(C) Oxygen (D) None of the above
90. An isolated danger marking buoy indicates _____ to shipping.
- (A) direction (B) danger
(C) channel edge (D) none of the above
91. In region A buoyage system, Port marks are :
- (A) Green (B) Red
(C) Yellow (D) White
92. _____ is a marine VHF radio channel/frequency designated as an international distress channel/ frequency.
- (A) Channel 10 (B) Channel 12
(C) Channel 14 (D) Channel 16

93. Aft side of the vessel is called :
- (A) Starboard side (B) Port side
(C) Stem (D) Stern
94. Certificate B for a passenger ship is issued :
- (A) Prior commencing voyage (B) Every 6 months
(C) Every one year (D) Every five year
95. Maximum height of vessel above water level is called :
- (A) Draft (B) Air draft
(C) Trim (D) Freeboard
96. When two mechanically propelled vessels are meeting on reciprocal or nearly reciprocal courses so as to involve risk of collision each shall alter her course to :
- (A) Port (B) Any side
(C) Starboard (D) None of the above
97. Non major ports are under the control of :
- (A) Central Govt. (B) State Govt.
(C) Maritime organization (D) None of the above
98. _____ directly responsible to the State Port Officer in air matters connected with the execution and supervision of all maintenance works relating to trucks, truck lines, steam cranes, buoys, hand cranes, electric cranes, electric fittings, etc., belonging to the Department and to all port buildings and structures, and shall maintain a register of all port appliances.
- (A) Administrative assistant (B) Port Conservator
(C) Mechanical-cum-Electrical Engineer (D) Senior Port Conservator
99. In ascertaining the tonnage of vessels, Port Officers and Port Conservators will be guided by the rules prescribed in _____ of the Indian Port Act, 1908 (XV of 1908).
- (A) Section 41 (B) Section 51
(C) Section 61 (D) Section 71
100. Towing light is :
- (A) Green light (B) Red light
(C) Yellow light (D) White light

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK