

Signalling

Set – 1 :

A.

1. Describe the International Code “A” with meaning.
2. In flashing communicate how to indicate end of message?
3. What is meaning of Single Letter, double letter?
4. What is the use of answering pendant?
5. What is the meaning of “Urgency”?
6. What is the meaning of “Distress”?

B.

1. Describe the international code flag “B” with meaning.
2. What is the meaning of the International Flags H, O, P, M & Z?
3. What is the Distress alert, Distress call and Distress message?
4. What are the following in Flashing light signalling (show by dot and dash): General call signal, Answering signal, Erase signal, Repeat signal and Ending signal?
5. Name the three spoken emergency Signals used by ship and aircraft for Distress, urgency and safety.
6. Using flag code how will you indicate: I am in Distress and Man Overhead.

C.

1. Which publications should you consult on board for Signalling? Why the Signalling is used on board Vessel?
2. Describe the meaning of International code flag B & H.
3. What is meant by ‘Two letter signal’ and three letter signal? Give an example of each.
4. Write following word in international Morse code:- a) Affirmative
5. What is the international Morse code of “Distress”?
6. What is the flag signal of a vessel in Distress?

Set – 2:

1. State the purpose of Signalling. How many method of Signalling? 5
2. Write down procedure of calling unknown station in the vicinity, general call, ending signal, repeat signal, waiting signal by flashing light. 5
3. What are the purpose of Single letter, two litter, three letter Signal? Write down duration of dot, dash and group. 5
4. State the meaning of following: (any five) 5
CQ, RPT, AAA, AA, TTTT, AR, \overline{AA} \overline{AA} \overline{AA}
5. Explain the use of Substitute flag. How to use the following substitute: 5
a) L 2255 b) G 2233
6. Define following: (any five) 5
a) Identity Signal b) Station Origin c) Hoist
d) Tack line e) Close up f) flag at the dip g) receiving station
7. Write down the following flag colour, shape and meaning: (any five) 5
B, I, P, Y, Z, U, Q, T, S, A,
8. Explain following longitude and latitude - 5
a) G 13925 E, b) L 3740 S

Set – 03:

1. State the purpose of Signalling (ICS).
2. How many method of Signalling?
3. What are use of Single letter, two litter, three letter Signal?
4. State the meaning of following:
CQ, RPT, AAA, AA, TTTT, AR.
5. Explain the use of Substitute flag. How to use the following substitute:
b) L 2255 b) G 2233
6. Define following:
b) Identity Signal b) Station Origin c) Hoist
d) Tack line e) Close up.
7. Write down the procedure using “dot”, “dash” and ending signal.
8. Write down the following flag colour, shape and meaning:
B, I, P, Y, Z, U, Q, T, S, A
9. Explain following longitude and latitude -
b) G 13925 E, b) L 3740 S
10. Explain the following Signal:

MAYDAY, PANPAN AND SECURITE

11. Write down Signification of the following:

An aircraft circle, a vessel rocking her wing heading in direction.

12. Write short note:

- a) Flag at the deep b) DCIMAL, CS & YQ c) Time of origin, d) Coding and de-coding message.

Set – 04 :

Answer the following questions:-

1. State the purpose of Signalling and brief detail in various method of Signalling.
2. Write down procedure for calling Ship/Shore station with their identification and give example.
3. What is Code word and Figure spelling give example of Lat, Long, Distance, course speed and bearing.
4. Write down the purpose of use substitute flag give example of using substitute flag 1st, 2nd and 3rd.
5. Write down the meaning of the following:
DE, AR, \overline{AA} \overline{AA} \overline{AA} , RPT, T, \overline{AAA} , TTTT, CQ, AA, AC, EEEEE.
6. Write down the following flag meaning shape and colour- any ten-
H, G, B, O, Y, I, P, K, U, S, A, Z
7. Explain the following –
MAY DAY, SECURITE, PAN-PAN, on RT.
8. In life saving what are the meaning of the Code letter K & S by light, sound and using pyrotechnic at night.
9. Explain the following any five –
Decimal point, Flag at the deep, Das & dot, Coding/decoding, Station origin, Close up, Tack line.
10. Signify one of the following:
a) An aircraft circle a vessel rocking her wing heading in direction
b) Aircraft cross a vessel wake close ASTERN at low altitude while ROCKING her wings.

Set – 05 :

1. Define Signaling. What do you mean International code of signaling? Write down various method of signaling.

2. Explain signal coding and de-coding. How many letters can be determined per minute by flashing? What are the duration of dash and dot? 5
3. Write down the meaning of following flag with color and shape. (any ten)
B, R, P, Q, G, O, H, S, Y, Z, I, U. 10
4. What are the following signify? (any five) 5
 - a) An aircraft circling around a ship, then crossing vessel's course ahead at low altitude while rocking and heading in direction.
 - b) A rocket parachute/hand flare shown red light.
 - c) The word "MAY DAY" spoken on RT.
 - d) The word "PANPAN" spoken (3) on RT.
 - e) Flag substitute the signal-L2550.
 - f) L4530S, G2015E.
5. Write down the procedure of spelling a word "HYPOTHERMIA" (RT). 2
6. Write down the meaning of following 3
RPT, TTTT, AR, CQ, AS, AAA, MAA, MAB.
7. Explain the following – 10
Flag at the dip & close-up, Tack line, Station of origin, Identity signal, Sound signaling.

Set – 06:

1) Signalling: (Part - 1)

4X5=24

- a. State the purpose of signalling
- b. Name seven methods of signalling
- c. Define (1) Identity Signal (2) Tack line
- d. State the meaning of the following:
 - i) RPT ii) AAA iii) CQ and iv) G12345E
- e. Describe shape, colour and meaning of Code Flags B & H
- f. What is the meaning of 1) MAYDAY 2) PANPAN

2) Signalling: (Part – 2)

- a) What are the use of i) Single Letter Signal ii) Double Letter Signal & iii) Three Letter Signal starts with Letter 'M'.
- b) What are the uses of "Answering Pendant (AP)" in flag signalling?
- c) Write down meaning and How to use the Substitute in flag signalling to indicate: L2233N, G12233E
- d) Define Shape, colour and meaning of Flags: A, P
- e) State the procedure of for Morse Signalling between Ship to Ship or Ship to Shore Station by using Flash Light.

f) Write down the meaning of : RPT, AR, AAA, CQ, BN.

3) Signalling: (Part – 3)

a. Name seven methods of Signalling

b. Describe meaning and use of Flag Substitute in the following: i) L2255N, ii) G15522E

c. Define shape, colour and meaning of Flag: Q & R

d. Write down the significant of the following: A vessel circle around your vessel and then circle ship's course close AHEAD and HEAD in a direction

e. What is meant by: i) MAYDAY ii) SECURITE

f. In Life-saving signal what are the meaning of Code Letter K , and S given by light or sound and what is the corresponding light signal at night

Set – 07 :

1. Explain the following nautical term:- (any ten) 10 A-
1, Make fast, Dunnage, Hands, Reeve, Way, Stow, Unship, Blue peter, Lull, Tackle, Fid, Awning, Trough, Span.
2. Write down full procedure of preparation anchor let go. 05
3. Sketch berthing a ship and name with function of various mooring lines. 05
4. Write down types of ladder. What preparation to be taken rigging pilot ladder? 05
5. Write down care & maintenance of berthing hawsers. 05
6. Write down use of following & hitches:- (any ten) 10
Cow hitch, Bowline, Timber hitch, Round turn & two half hitch, Sheet bend, Bowline on the bight, Crown knot, Short splice, Long splice, Eye splice, Sail maker whipping, Carried bend, Stage hitch.
7. Write down accidental prevention while handling mooring rope. 05
8. Answer the following calling sounding by handling line:- 05
15 mtr, 9 mtr, 11 $\frac{1}{4}$ mtr, 16 $\frac{3}{4}$ mtr, 10 $\frac{1}{2}$ mtr
9. Explain the name & function various parts of the Ship:- (any ten) 10
Hatch coaming, Keelson, Fair lead, Compressor, Dead light, Cell, Devils claw, Gantray, Spider bend, Tumble home, Wind chute, Union plate, Sheer strake, Magazine, Rat guard, Strum box, Panama lead, Wedge.
10. Write down care & maintenance of paint store. 05
11. Answer the following question (any ten): 05
 - (a) Why pilot ladder provided with spreader?
 - (b) Why doors on deck open out ward?
 - (c) What is electrolytic action in metal?
 - (d) Why zinc plate attached to ships bottom?
 - (e) What are the length, width and depth of ctg. dry dock?
 - (f) Who is responsible for docking/ Undocking ship?
 - (g) What makes Door/ hatch water tight?

- (h) How top a derrick?
12. Fill in the gaps with suitable words: (any five) 05
- (a) Hypothermia exist
- (b) Distance one nautical cable
- (c) Reciprocal course of ENE
- (d) CPR stand for
- (e) Material of port hole made of
- (f) Length of pilot ladder spreader
- (g) There are boat hook in life boat.
- (h) Safe working angle of derrick
- 13) Explain the following term in paint work:- (any five) 05
Blistering, Holiday, Peeling, Cracking, Discoloration, Sagging

Set – 08 :

1. Answer the following question: 05
- (a) How you indicate Azimuth bearing, True bearing and course?
- (b) How many letter/figure determined by flashing light signaling per minute? Write down duration of dot, dash and group.
- (c) What is the calling procedure unknown station by Radio telephony?
- (d) Write down how to indicate the Lat, Long, Distance, Speed & Depth.
- (e) Write down using procedure of answering pendant.
2. Write down following flag color, shape & meaning (any ten): 10
F, G, L, P, B, S, Z, Q, V, M, H, Y
3. Answer the following single letter with complement (any five): 05
- (a) Z - with four numerals
- (b) R – with one or more numerals
- (c) G – with five numerals
- (d) A – with three numerals
- (e) K – with one numerals
- (f) D – with four or six numerals
- (g) T – with four numerals
4. To indicate vessel is a distress write down at least five signal need of assistance. 05
5. What signal to be made in following cases both day & night: 05
- (a) Landing here highly dangerous.
- (b) This is the best place for landing.
- (c) Air craft directing a Vessel or air craft/ Vessel is in distress.
- (d) Assistance of the vessel is no longer required.
- (e) Dropped message understood.

6. Define following: 05
 (a) Tack line (b) Station origin (c) Close up (d) Flag at the dip (e) Identity signal.
7. Write down following letter / figure Spelling in English language: 05
 F (Foxtrot), O (Oscar), 8 (Oktoeight), 9 (Novenine), W (Whiskey)
 Q (Quebec), J (Juliectt), 1 (Unaone), V (Victor), C (Charlee)

Set – 09 :

All question carry equal marks: (Any Eight)

1. State the purpose of International Code of Signal (ICS)
2. What are the use of the following:
 - a) Single letter
 - b) Two letter signal and
 - c) Three letter signal starts with “M”
3. Define:
 - a) Identity signal b) Sound signalling c) Station of origin d) Hoist e) Tack line
4. a) State how will you call a station by using Flags and Morse light?
 b) What is the use of Answering pendant in flag signalling?
5. What is the purpose of Substitute and show how you will use substitute in the following case: a) L2255N and b) G12233E
6. Define the shape, colour and meaning of the following Single letter flag signal:
 B, J, P, Y, and Z
7. State the procedure for Morse signalling between ship and shore station by using flash light.
8. In life saving signal what are the meaning of the following:
 - a) Red star light signal by night or letter “S” by sound/light,
 - b) Green star light signal by night or letter “K” by sound/light.
9. Signify one of the following:
 - a) An aircraft circle a vessel rocking her wings heading in direction
 - b) An aircraft cross a vessel wake close ASTERN at low altitude while ROCKING her wings.
10. Explain the following:
 MAY DAY, SECURITE, PAN-PAN, on RT