

B CERTIFICATE EXAMINATION NAVAL WING SD/SW **FOR THE YEAR 2014 – 2015 SPECIAL SYLLABUS**

SI No :
Roll No :

Total Marks : 90
Time Allotted : 2 Hour

General Instructions:

1. Read all Questions and clarify doubts before answering.
 2. All answers to be written on the Question paper next to each Question at the space given.
 3. Only Ball Point pen to be used for writing the answers.
 4. No additional answer sheets or additional
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Naval Orientation and General Service Subject (Marks 25)

Q1 Fill in the blanks 05

- a) The Defence Minister of India is _____
- b) The Indian Navy is divided into _____ commands.
- c) The name of DGNCC is _____.
- d) The silent hour is from _____ to _____.
- e) Rear Admiral of Indian Navy is equal to _____ in the Army.

Q2 State True or False 05

- a) INS Utkrosh is located at Tuticorin (True/False)
- b) Side Pipe is given from Sunrise to Sunset (True/False)
- c) The Ship is dressed overall from Colours to Sunset (True/False)
- d) Naval Ensign is hoisted on Jack Staff (True/False)
- e) INS Tarangini is a Torpedo Recovery Vessel (True/False)

Q3 Match the following 05

- | | | |
|----------------------------|-----|--------------|
| a) INHS Jeevanti | () | a) Mumbai |
| b) INS Delhi | () | b) New Delhi |
| c) INS Betwa | () | c) Goa |
| d) INS Hamla | () | d) Cruiser |
| e) Integrated Headquarters | () | e) Colonel |
| | | f) Frigate |

Q4 Expand the following 05

- a) FOCinC
- b) FOCEF
- c) EWO

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- d) ASWO
- e) RAS

Q5 Write short note on the following **05**

- a) SKBDL

NAVAL WARFARE(Marks 10)

Q6 Expand the following **04**

- a) SLCM
- b) DRDO
- c) ASWI
- d) TNT

Q7 What is the role of Minesweepers ship in Indian Navy **06**

COMMUNICATION (Marks 10)

Q8 State True of False **05**

- a) Answering Sign is made by making 'C'. (True/False)
- b) Prosign are single letter or combination of letters transmitted as a single character (True/False)
- c) The Error sign is made by making a vertical of E's (True/False)
- d) AAA means unknown station (True/False)
- e) TEL stands for Tactical (True/False)

Q9 Match the following **05**

- | | |
|----------------------|-------------------------------------------------------------|
| a) Flag Kilo () | a) Foremost Part of the ship |
| b) Jack Staff () | b) 26 January |
| c) Dressing Ship () | c) Ceremony where National Flag/ Naval Ensign is Haul down. |
| d) Sunset () | d) Prosign |
| e) DU () | e) B |
| f) Slant () | f) I am operating Helicopter |
| g) Break () | g) XE |
| | h) BT |

NAVIGATION (Marks 10)

Q10 Write short notes on Plotting a Position. **04**

Q11 What do you understand by Poles? **03**

Q12 Write a short note on Current. **03**

SEAMANSHIP (Marks 15)

Q13 Write any five types of manmade ropes. **05**

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Q14 Write a short note on Tackles and explain its parts. **05**

Q15 State True or False **05**

- a) Timber hitch is used for securing a rope's end. (True/False)
- b) Rudder is used to alter the course of a Boat. (True/False)
- c) Clove hitch is used as life line when man is working aloft. (True/False)
- d) AC 16A is designed for use on board Submarines. (True/False)
- e) Forenoon watch starts on 2000 hrs to 0001 hrs. (True/False)

NBCD and Ship Safety(Marks 07)

Q16 Match the following **05**

- | | | |
|-------------------------------|-----|------------------------------|
| a) 9 Ltr AFFF Extinguisher | () | a) Cutting off Oxygen |
| b) Colour of DCP Extinguisher | () | b) Black |
| c) Colour CO2 Extinguisher | () | c) By cooling |
| d) Incident Board | () | d) Blue |
| e) Starving | () | e) Removing Burning Material |
| | | f)) DCHQ |
| | | g) 120 gm CO2 cartridge |

Q17 Fill in the blanks **02**

- a) Duration of AFFF extinguisher is _____.
- b) B class of fire is _____.

SHIP MODELING (Marks 05)

Q18 Care and maintenance of Power Tools Used in Modeling **05**

SEARCH, RESCUE AND SURVIVAL (Marks 05)

Q19 State True or False **05**

- a) The security of the lifejacket and the operation of the mouth valve should be tested daily (True/False)
- b) The Man overboard marker produces dense Orange smoke for 25 minutes (True/False)
- c) All Merchant ship which proceed to sea are to carry at least 12 Pyrotechnic Signal (True/False)
- d) Onboard warship if Man overboard to Port Side OOW rings two bells (True/False)
- e) Echo sounder is a part of life raft (True/False)

SWIMMING (Marks 03)

Q20 (a) Write any two styles of swimming? **01**

(b) Write two advantages of swimming? **02**

ANSWER BANK B CERTIFICATE EXAMINATION FOR THE YEAR 2010 – 2011 SPECIAL SYLLABUS

NAVAL ORIENTATION AND GENERAL SERVICE SUBJECT

Q1

- a) Manohar Pareker
- b) 04
- c) LT Gen. RK Karwal SM VSM
- d) Pipe down to Hands call
- e) Major General

Q2

- a) False
- b) False
- c) True
- d) False
- e) False

Q3

- a) c
- b) d
- c) f
- d) a
- e) b

Q4

- a) Flag Officer Commanding in Chief
- b) Flag Officer Commanding Eastern Fleet
- c) Electronic Warfare Officer
- d) Anti Submarine Warfare Officer
- e) Replenishment at Sea

Q5

- a) SKBDL: Station Keeping By Distance Line. This is the Seamanship evolution Carried At sea when so as to practice the distance keeping between two ships and more. In this evolution the station is kept between the foremast to foremast of the ships.

NAVAL WARFARE

Q6

- a) Submarine Launch Cruise Missile
- b) Defence Research and Development Organization
- c) Anti Submarine Warfare Instructor
- d) Tri Nitro Toluene

Q7

Minesweepers are used to detect and clear or sweep under water mines so that the ships can pass safely. Large winches at the rear of the minesweepers lower Sonar buoys into the ocean to detect mines. Minesweepers use large devices with sharp teeth to cut the cables of moored mines.

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NAVAL COMMUNICATION

- Q8 a) True
b) True
c) False
d) False
e) False

- Q9 a) f
b) a
c) b
d) c
e) d
f) g
g) h

NAVIGATION

Q10 Plotting a Position. A position may be expressed by its latitude and longitude, or as range and bearing from a specific object. It may be plotted on the chart using a parallel ruler, divider, and the scale of latitude and longitude appropriate to the chart itself.

Q11 Poles. These are the extremities of the earth's axis of rotation. The North Pole is on the left and the South Pole is on the right of the observer facing east

Q12 Current. A current is the non-tidal horizontal movement of the sea due mainly to meteorological, oceanographical or topographical causes. In some areas this movement may be nearly constant in rate and direction. The main cause of most surface currents in the open sea is the direct action of the wind on the surface of the sea. A clear correlation exists between the direction of the prevailing drift currents and the prevailing winds.

SEAMANSHIP

Q13 Nylon or Polyamide, Polypropylene, Polyethylene, Polyester, Parafil, Aramid, Plaited rope

Q14 Uses of Tackles. Tackles are used for lifting weights and to tighten the ropes with minimum manpower. These are combinations of blocks joined together with a rope. They reduce the energy required to accomplish a job by reducing the friction.

Parts of a Tackle.

- (a) Standing Part. That part of a rope which is made fast to a mast, deck, block of a tackle or any other fitting.
- (b) Hauling Part. That part of a rope or a tackle which is hauled upon.
- (c) Running Part. That part of a rope or a tackle which runs through the blocks.
- (d) Fall. The rope of a tackle.

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- (e) Running End. That part of a length of rope which first runs out from a coil, take or reel or through a block or fairlead

- Q15 a) True
b) True
c) False
d) True
e) False

NBCD

- Q16 a) g
b) d
c) b
d) f
e) e

- Q17 a) 60 to 90 sec
b) Oil Fire

SHIP AND BOAT MODELING

- Q18 (a) Polythene/canvas covers are to be used.
(b) Clean the machines after use with a hand brush.
(c) Slide ways are to be oiled to avoid condensation of moisture.
Each machine must have its tool cup-board for keeping all the accessories required for use. Various control and the correct manipulation of the machine are to be taught before the commencement of any skill training on the machine.

SEARCH AND RESCUE

- Q19 a) True
b) False
c) True
d) True
e) False

SWIMMING

- Q20 (a) (i) Free Style (ii) Breast Strock
(b) (i) To make the body stamina and posture .
(ii) To save the life our self and others in any emergencies.