NAROTTAM MORARJEE INSTITUTE OF SHIPPING
MUMBAI

Examination Paper – March 2015

Associateship/Post Graduate Diploma in Shipping Management – First Year

GEOGRAPHY OF SEA TRANSPORT

07.03.2015 Total 100 Marks Time: 3 Hours.

NOTE: Questions 6 & 7 are compulsory & carry 20 marks each. Answer any FOUR from remaining questions & each question carry 15 marks.

1. What is your choice of mode of transport for:
   (a) Export of flowers from India to Europe & why? ..... 3
   (b) Export of iron ore from India to China/Japan & why? ..... 3
   (c) Movement of Thermal coal from East Coast to West Coast of India, Ports which are not deep & have draft limitation of 6/7 meters. ..... 3
   (d) Export of Tea from Indian Tea Estates to Europe & why? ..... 3
   (e) Import of coking coal to East Coast of India from Australia & why? ..... 3

2. (a) As inland waterways, how is river VOLGA different from river RHINE? Explain! ..... 7
   (b) Inland waterways are not developed in India, Reasons! ..... 8

3. (a) How is St. Lawrence Seaway different from Suez Canal? ..... 5
   (b) What do you understand by “DAY LIGHT SAVING TIME”? Some countries countries have adopted this, why? ..... 5
   (c) INTERNATIONAL DATE LINE is not a straight line like any other longitude, why? ..... 5

4. (a) Which vessels have LUMBER LOAD LINES & why? ..... 5
   (b) What do you understand from term “Seasonal Tropical” & “Seasonal Summer” Loadline? ..... 5
   (c) How do you differentiate between “Brackish water & Fresh Water Allowance”? ..... 5

5. What is role of:
   (a) Classification Societies? ..... 3
   (b) OPEC? ..... 3
   (c) ASEAN? ..... 3
   (d) G20? ..... 3
   (e) WTO? ..... 3

P.T.O. ..... 2/-

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1. On the outline map 'A' marks & name the following:

(a) Five Crude Oil producing & export areas
(b) English Channel/Gibraltar Straight/Kiel Canal/Suez Canal.
(c) Gulf Stream/Canaries Current with direction of flow & state whether
cold or warm.
(d) Time zones of three countries.
(e) Entre port in Europe.
(f) Three bunkering ports in different countries.
(g) Lisbon/Houston/New York/Hamburg.

2. On the outline map 'B', mark & name the following:

(a) VLCC Route from Saudi Arabia to Europe.
(b) VLOC Route from Brazil to Japan.
(c) Two Bauxite Producing & Export Areas.
(d) Two Coffee Producing & Export Areas
(e) Japan Sea/Yellow Sea/Java Sea/Baltic Sea.
(f) Kuro Shio/Brazil current, East & West Australian currents with
direction of flow.
1. On the outline map 'A' marks & name the following:
   (a) English Channel, Bay of Biscay, Baltic Sea. ..... 3
   (b) Le Harve, Euro port, Hamburg, Gibraltar, Dover. ..... 5
   (c) Canaries Current with direction of flow & state whether warm or cold. ..... 2
   (d) Three Crude oil Producing & Exporting areas with names of exporting port. ..... 3
   (e) Two Permanent Tropical Load Line Zones. ..... 2
   (f) Time Zones of Three different countries. ..... 3
   (g) Four Bunkering Ports other than above ports in different countries. ..... 2

2. On the outline Map 'B' mark & name the following:
   (a) Gulf Stream, Peru Current, Californian current, East Australian current, Kuro Shio with direction & state whether cold or warm. ..... 5
   (b) Two Bauxite Producing & Exporting areas with ports of shipment. ..... 2
   (c) Two Iron ore Producing & Exporting areas with names of port of shipment. ..... 2
   (d) VLCC route from Ras Tanura to Europort. ..... 3
   (e) Three Shipping Canals. ..... 3
   (f) VLOC Route from Brazil to S. Korea. ..... 3
   (g) Two Bunkering ports in African Continent. ..... 2

3. What do you understand by –
   (a) Hinterland of a port. ..... 2
   (b) International Date Line. ..... 2
   (c) Day Light Saving Time. ..... 2
   (d) Entrepot. ..... 2
   (e) Free Trade Zone. ..... 2
   (f) Free port. ..... 2

4. Write Notes:
   (a) G-8. ..... 3 each.
   (b) WTO. ..... 3 each.
   (c) GATT. ..... 3 each.
   (d) ASEAN. ..... 3 each.

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5. Explain the following:
   (a) CIS has many rivers, but hardly utilized for navigation. ..... 4
   (b) River Rhine is a boon to Europe. ..... 4
   (c) Inland waterways are not developed in India. ..... 4

6. (a) Panama Canal has limitations, why? ..... 4
   (b) Suez canal is boon to shipping but limitations also? Explain. ..... 4
   (c) St. Lawrence Seaway is closed say six months in a year … Why? ..... 4

7. Write Short Notes on:
   (a) FWA. ..... 3
   (b) Brackish Water. ..... 3
   (c) Seasonal Tropical Zone. ..... 3
   (d) Free Board. ..... 3

8. (a) India is importer of Fertilizers, What type/size of tonnage is used for imports? ..... 3
   (b) India exports Bauxite. What size/type of vessels are used for exports? ..... 3
   (c) India exports Flowers. What is type of carrier used & why? ..... 3
   (d) India ports 80% of its crude oil requirements. What size & type of tonnage is used & why? ..... 3

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NAROTTAM MORARJEE INSTITUTE OF SHIPPING
MUMBAI

Examination Paper – 2013
Associateship/Post Graduate Diploma in Shipping Management – First Year

GEOGRAPHY OF SEA TRANSPORT

10.03.2013

Total 100 Marks

Time: 3 hours

Note: Question No. 1 and 2 are compulsory and carry 20 marks each. Answer any other FOUR questions from the rest which carry 15 marks each.

Q.1 On the outline map (A) mark and name the following:

a) Route of a Capesize bulk carrier from Durban to Antwerp (3)
b) Four bunkering ports in different countries (4)
c) Gulf Stream current – with direction of flow and state whether cold or warm (2)
d) Time zones in four countries (4)
e) Two Crude Oil producing and exporting areas (2)
f) South Atlantic Ocean, Arabian Sea, Mediterranean Sea, Black Sea, Red Sea (5)

Q.2 On the outline map (B) mark and name the following:

a) Greenland and Iceland (2)
b) Two main shipping canals with names of seas on either end and sea ports on either ends (4)
c) Aden, Muscat, Mombasa, Madagascar (5)
d) Beneguela Current and stating whether cold or warm (2)
e) Three ore producing and export areas (3)
f) One Coal producing area (2)
g) Two bunkering ports (2)

Q.3 Differentiate between:

a) Break-bulk cargoes and Dry bulk cargoes. Give examples (3)
b) Clean Petroleum Products and Dirty Petroleum Products (3)
c) Tide and Current (3)
d) Grounding and beaching (3)
f) Container hub ports (3)
Q.4 Write short notes on:
   a) Loadline Zones (3)
   b) Suez Canal and its advantages (3)
   c) Lock-gates (3)
   d) Greenwich Mean Time (6)

Q.5 a) India is an importer of coking coal. What size and types of ships are employed and why? Which are the main discharge ports in India and how is it handled? (8)
   b) India is an exporter of iron ore. In what size and type of vessels is the iron exported in. Name a few load-ports in India and how is this cargo handled. (7)

Q.6 Discuss the following organizations:
   a) WTO (3)
   b) SAARC (3)
   c) ASEAN (3)
   d) OPEC (3)
   e) CIS (3)

Q.7 Write a note on the inland waterways in India.
NAROTTAM MORARJEE INSTITUTE OF SHIPPING
MUMBAI

Examination Paper – 2012
Associateship/Post Graduate Diploma in Shipping Management – First Year

GEOGRAPHY OF SEA TRANSPORT

II.03. 2012
Total 100 Marks
Time: 3 hours

Note: Question No. 1 and 2 are compulsory and carry 20 marks each. Answer any other FOUR questions from the rest which carry 15 marks each.

Q.1 On the outline map (A) mark and name the following:

a) Route of a ULCC loaded ex Middle East Gulf to S.Korea. (4)
b) Four bunkering ports in different countries (4)
c) Agulhas Current and Kuro Shio – with direction of flow and state whether cold or warm (2)
d) Time zones in four countries (4)
e) Two coal producing and exporting areas (2)
f) Arabian Gulf, South China Sea, Aegean Sea, and Japan Sea. (4)

Q.2 On the outline map (B) mark and name the following:

a) Bay of Biscay and English Channel (2)
b) Two main shipping canals with names of seas on either end and sea ports on either ends (4)
c) Newfoundland, Miami, Rotterdam, Gibraltar and Istanbul (5)
d) Gulf Stream and Labrador Current with direction and stating whether cold or warm (2)
e) Three crude oil producing and export areas (3)
f) One Coal producing area (2)
h) Two bunkering ports (2)

Q.3 Differentiate between:

a) Territorial Waters and Exclusive Economic Zone (3)
b) Pipeline as mode of transport (3)
c) Ocean Currents and tide (3)
d) Loadline and Loadline Zone. (3)
f) R.O.B and OBQ. (3)
Q.4 Write short notes on:

a) Daylight Saving Time ................................................................. (3)
b) Benefits of Panama Canal ............................................................ (3)
c) Free Ports ...................................................................................... (3)
d) Timber carriers have Additional Load Lines. Why and explain with a sketch. .......................................................... (6)

Q.5 You are an Import Manager of a steel plant that imports coking coal in lots of 60,000 tonnes. What type/size of ships will you charter to import from Indonesia to discharge at your plant situated in Dharamtar Creek (South part of Mumbai Harbour) where there is a draft limitation of 5 metres. Explain with reasons. ................................................................. (15)

Q.6 What do you understand by the following:

a) Entre port ...................................................................................... (3)
b) Trading Blocks ............................................................................. (3)
c) FWA and Brackish Water ................................................................. (3)
d) Clean Petroleum Products and Dirty Petroleum Products ................................................................. (3)
e) OPEC and its role ............................................................................ (3)

Q.7 a) Compare the Inland Waters in India with that of Europe. ................................................................. (5)

b) Write a note on seasonal cargo movements in the world with examples. ................................................................. (10)
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Examination Paper – 2011

Associateship/Post Graduate Diploma in Shipping Management – First Year

GEOGRAPHY OF SEA TRANSPORT

12.03. 2011

Total 100 Marks

Time : 3 hours

Note : Question No. 1 and 2 are compulsory and carry 20 marks each. Answer any other FOUR questions from the rest which carry 15 marks each.

Q.1 On the outline map (A) mark and name the following:

a) Route of a VLCC loaded ex Middle East Gulf to S.Korea. (3)
b) Four bunkering ports in different countries (4)
c) Madagascar Current and Kuro Shio – with direction of flow and state whether cold or warm (2)
d) Time zones in four countries (4)
e) Two Iron Ore producing and exporting areas (2)
f) Java Sea, Yellow Sea, Red Sea, Black Sea and Japan Sea (5)

Q.2 On the outline map (B) mark and name the following:

a) Baltic Sea and North Sea (2)
b) Two main shipping canals with names of seas on either end and sea ports on either ends (4)
c) New Orleans, New York, Antwerp, Hamburg and Lisbon (5)
d) Gulf Stream and Canary Current with direction and stating whether cold or warm (2)
e) Three crude oil producing and export areas (3)
f) One Entre port in Europe (1)
g) One Coal producing area (1)
h) Two bunkering ports (2)

Q.3 Differentiate between:

a) Coastal waters and Economic Zone (3)
b) Local Time and Time Zone (3)
c) TEU and FEU (3)
d) Grounding and beaching (3)
f) CFS and Hub (Container) (3)
Q.4 Write short notes on:
   a) St. Lawrence Seaway
   b) Suez Canal benefits and problems
   c) Advantage of ocean currents and adverse effects
   d) Timber carriers have Additional Load Lines. Why and explain with a sketch.

Q.5 a) India is an importer of coking coal. What size and types of ships are employed and Why? Which are the main discharge ports in India and how is it handled?

b) India is an exporter of iron ore. In what size and type of vessels is the iron exported in. Name a few load-ports in India and how is this cargo handled.

Q.6 What do you understand by the following:
   a) Role of OPEC
   b) Role of SAARC
   c) Role of ASEAN
   d) Role of EU
   e) Role of WTO

Q.7 a) India has a vast network of rivers. Are these exploited for logistics? Comment.

b) River Rhine is a boon to the trade for movement of cargo in Europe. Explain
GEOGRAPHY OF SEA TRANSPORT

07.03.2010 Total 100 Marks Time : 3 hours

NOTE: Question No. 1 and 2 are compulsory & carry 20 marks each. Answer any FOUR from rest – which carry 15 marks each.

Q.1 On the outline map (A), mark and name the following:

a) Cape Size Coal Loader ex. Australia to European Entre Port 3
b) Four Bunkering ports in different countries 2
c) Japan Sea, Java Sea and Black Sea 3
d) Three Iron Ore Producing / Export Areas 3
e) Reference 12:00 Hrs. Indian Standard Time, Mark Local Time in Japan / New York and London 3
f) Los Angeles, Lisbon, Gibraltar & Genoa 4
g) Peru Current & Gulf Stream with direction of flow and state whether cold or warm current 2

Q.2 On the outline Map (B), mark and name the following:

a) Baltic Sea / North Sea / Red Sea 3
b) Two Important Shipping Canals with names of ports on each end 2
c) Crude oil producing / export areas (Three Numbers) 3
d) Two permanent “Tropical Zones” 2
e) ENGLISH CHANNEL, Strait of Gibraltar and Bay of Biscay 3
f) Two Entre Ports 2
g) Three Crude Oil Loading Ports in different countries 3
h) Four Bunkering ports in different countries 2

Q.3 Write Short Notes on:

a) Hinterland and Economic Zone 2
b) Naval Port, Passenger Port 2
c) St. Lawrence Seaway 3
d) Pipe Lines as mode of Transport 4
e) Rhine waterway under European Inland Waterway 4

PTO
Q.4 Differentiate between:

a) Tide and Ocean Current  
b) Free Trade Zone and Free Port  
c) International Date Line and Time Zone  
d) Draft and Airdraft  
e) Brackish Water and Fresh Water Allowance

Q.5 a) What are the adverse effects of currents on Shipping?  
b) "India has a long coast line but its fishing industry is not up to International Standard". Your critical views.

Q.6 What do you understand by

a) "CLEAN & DIRTY PETROLEUM PRODUCTS"?  
b) "Seasonal Tropical Zone" & "Permanent Tropical Zone"  
c) "Lumber Load Lines". Explain with drawing / sketch.

Q.7 a) You are Import Manager with a Steel Plant, importing coking Coal from Australia and for part discharge at Paradip (India) and balance at Haldia (India) - What type / size of Bulk Carrier will you use and why?  
b) You are an Export Manager with TEA ESTATE in Assam (India) exporting Tea to Europe and Middle East Gulf Countries. Explain various modes of transport, that you will use to move the product to destination and why?

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NAROTTAM MORARJEE INSTITUTE OF SHIPPING
MUMBAI

Examination Paper – 2009

Associateship / Post Graduate Diploma in Shipping Management – First Year

GEOGRAPHY OF SEA TRANSPORT

08.03.2009

Total 100 Marks

Time : 3 Hours

Marks

NOTE: Question No.1 and 2 are compulsory and carry 20 marks each. Answer any FOUR from the rest which carry 15 marks each.

Q.1 On the outline Map (A), mark and name the following:

a) Two Permanent Tropical Zones 2
b) Two Crude Oil producing Areas 2
c) Four Bunkering Ports 4
d) Two Entre Ports 2
e) Two Bauxite producing Areas 2
f) Java Sea / China Sea / Japan Sea 3
g) Local time in 5 countries in reference to 12:00 Hrs UTC (GMT) 5

Q.2 On the outline Map (B), mark and name the following:

a) North Sea, Baltic Sea, Black Sea 3
b) Gulf Stream, Labrador Current, Peru Current & Kuro Shio (indicating direction & whether Hot or Cold) 4
c) Two Coal producing areas 2
d) New York, Houston, Lisbon, Hamburg, Aden 5
e) Cape size Bulk carrier route (Brazil to Japan) 2
f) Two Tea growing areas with names of exporting ports 2
g) Two important Shipping Canals with names of joining Sea and port at each end. 2

Q.3 Explain the following:

a) ‘CIS’ has many rivers, but these are hardly utilized for navigation / transport. Reasons. 3
b) River Rhine is a boon to Europe. 3
c) Pipelines as mode of transport 3
d) Inland waterways are not developed in India. 6

PTO
Q.4 a) What is the purpose of constructing Shipping Canals? 2
b) Panama Canal has limitations, what are those and why? 4
c) Suez Canal has been a boon to Shipping/Trade, but has its limitations. Explain. 9

Q.5 Write short notes on:

a) Day Light Saving Time 3
b) Seasonal Tropical Zone 3
c) F. W. A. and Brackish water 3
d) Lumber Load Lines 3
e) Winter North Atlantic Load Line 3

Q.6 Differentiate between:

a) Ocean Currents and Tide 3
b) TEU & FEU 3
c) I. C. D. and HUB (in reference to container trade) 3
d) Entre Port and Bunkering Port 3
e) Free Port and Free Trade Zone 3

Q.7 You are an Import Manager of Steel Plant and importing Coking Coal in lots of 60,000 M Tons. What type/size of ships you will charter to import from Australia to discharge at your plant situated in Dharamtar Creek (South of Mumbai – India) where there is draft limitation of 15 Feet. Explain reasons. 15

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Examination Paper – 2008

Associateship / Post Graduate Diploma in Shipping Management – First Year

GEOGRAPHY OF SEA TRANSPORT

06.03.2008

Total 100 Marks

Time: 3 Hours

NOTE: Question No. 1 and 2 are compulsory and carry 20 marks each. Answer any other FOUR Questions, each carrying 15 marks.

Q.1 On the outline MAP ‘A’, mark and name the following:

a) Three Bauxite loading areas
b) Cape size ore carrier route from Brazil to South Korea
c) Five Major Ports in different countries
d) Malacca Strait, Gibraltar Strait, English Channel
e) Two major Bunkering Ports
f) Labrador Current, Peru Current, Kuroshio Current with direction of flow and indicating whether cold or warm.
g) Time Zones of any two countries

M A R K S

Q.2 On the outline MAP “B” mark and name the following:

a) Three Crude Oil loading areas with names of loading ports.
b) Three important Canals with names of ports on ENTRY/EXIT ENDS
c) Black Sea, Red Sea and Baltic Sea
d) One Coal Loading Area with names of two exporting ports
e) Two permanent Tropical Zones
f) Two ENTRE PORTS
g) Gulf Stream with direction of flow and indicating whether cold or warm
h) Any three countries Local Time in reference to 12.00 Hrs Local Time at Greenwich.

Q.3 What are the reasons for setting up TRADING BLOCKS? What is their role in India’s present economy? Explain in reference to “SAARC” and “EU”.

M A R K S

P.T.O.
Q.4  a) What are the effects of "GLOBALISATION" on the fishing industry in India?
    b) What is the Indian Govt.'s recent policy pertaining to FISHING Industry?

Q.5  Differentiate between:
    a) C. P. P. and D. P. P.
    b) Coastal waters and economic zone
    c) Ocean Currents and Tides
    d) C. F. S. and HUB (Ref. Container Trade)
    e) FWA and Brackish water.

Q.6  Iron ore is exported from India:
    a) If Haldia is export port what size and type of vessel will be utilized and why?
    b) If Vizag Mechanical Loading Berth is the exporting port, what size and type of vessel will be invariably used for carriage (if Japan is the importing country) and why?

Q.7  Write short notes on:
    a) Deck Line
    b) Free Board
    c) Lumber Load Lines (with Diagram)
    d) Seasonal Tropical Zone
    e) Day Light Saving Time

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NAROTTAM MORARJEE INSTITUTE OF SHIPPING
MUMBAI

Examination Paper – 2007
Associateship / Post Graduate Diploma in Shipping Management – First Year

GEOGRAPHY OF SEA TRANSPORT

08.03.2007 Total 100 Marks Time: 3 Hours

NOTE: Questions 1 and 2 are compulsory and carry 20 marks each. Answer any other FOUR from the rest, which carry 15 marks each.

Q.1 On the outline map (A), mark and name the following:
   (a) North Sea, Baltic Sea, Bay of Biscay, strait of Gibraltar, English Channel 5
   (b) Two Permanent Tropical Zones 2
   (c) Three Bunkering Ports 3
   (d) One very Important Canal & Joining Seas 2
   (e) Three Crude Oil Producing countries with names of exporting ports 3
   (f) Five important Ports, one in each country. 5

Q.2 On the outline map (B), mark & name the following:
   (a) Three coal producing areas. 3
   (b) Two Tea Growing areas with names of exporting ports. 2
   (c) Two Iron ore exporting areas with names of exporting ports. 2
   (d) Gulf Stream, Peru Current, Californian Current with direction of flow and indicating whether it is cold or warm. 3
   (e) VLCC Route from M. E. Gulf to Europoort with two bunkering ports enroute. 3
   (f) Time Zone in Three countries. 3
   (g) Cape Size Bulk Carrier route from Brazil to Japan with name of export / import port at each end. 4

Q.3 (a) Why are inland waterways highly developed in Europe & U.S.A. 5
   (b) Though there are many rivers in India, these are not utilized for navigation / Transportation etc. ... your comments. 10

Q.4 (a) Suez Canal is a boon to shipping - yet it has its own problems – Elaborate... 7
   (b) What do you understand by “Day Light Saving Time”? 4
   (c) What is the rationale behind “International Date line”? 4

Q.5 Write short notes on:
   (a) Brackish water 3
   (b) Fresh Water Allowance 3
   (c) Summer free board 3
   (d) Which vessels have “LUMBER LOAD LINES” & reasons there of? 4
   (e) “Seasonal Tropical Zone”. 2

P.T.O.
Q.6 (a) Describe favourable and adverse effects of ocean currents on shipping. 7
(b) How are Tides caused? What do you understand by “Bore Tide”? 4
(c) Why is it important to know TIDAL RANGE in a port? 4

Q.7 (a) With reference to carriage of “IRON ORE”, what size of ships are commonly used & why? What are the methods used for loading & discharging? 7

(b) In reference to Container Trade what do you understand by
   (i) TEU/FEU
   (ii) CFS/HUB 4

(c) Brief notes on following:
   i) EU
   ii) SAARC
   iii) ASEAN
   iv) NAFTA 4

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GEOGRAPHY OF SEA TRANSPORT

05.03.2006  Total 100 Marks  Time 3 hours

Note: Questions No.1 & 2 are compulsory and carry 20 marks each. Answer any other FOUR which carry 15 marks each.

Marks

Q.1. On the outline map (A) mark & name the following:
   i) North Sea, Black Sea, Baltic Sea
   ii) Five Important Ports (one in each country)
   iii) Gulf Stream with flow direction, whether warm or cold
   iv) One Important Shipping canal and the Seas it joins
   v) Two crude oil producing areas
   vi) Three Bunkering Ports
   vii) Time Zones of three countries (approx.)
   viii) Coal & Bauxite producing areas

Q.2. On the outline map (B) mark & name the following:
   i) Two permanent Tropical Load Line Zones
   ii) Loading area of crude oil
   iii) Vegetable oil producing areas (Two)
   iv) Iron ore producing area with load port name & discharge port name & Cape-Size Bulk carrier route from load port to discharge port
   v) Local Time in any Three countries with reference to 12.00 Hrs (U.T.C/GMT)
   vi) Two Entrepoorts
   vii) Two Bunkering ports other than Entrepoort
   viii) Java Sea & Japan Sea
   ix) One ocean current indicating flow direction & whether cold or warm
   x) Two tea producing areas

Q.3 (a) India is an importer of Coking Coal. State what size of ships are employed and Why? Name the likely load ports & discharge ports 5
   (b) India is an importer of Crude Oil. What are the various sizes of ships employed & why? Name three loading Ports & three discharging ports in this context 10

Q.4 Write brief notes on
   i) G A T T
   ii) W.T.O.
   iii) SAARC
   iv) EU
   v) NAFTA

P.T.O.

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Q.5  
   i) How can the hurdles faced by Indian fishing industry be eased? Write a brief note.  
      ii) Write a brief note on recent Govt. of India policy pertaining to FISHING INDUSTRY.  

Q.6 Differentiate between the following (do any Five) 
   (a) Coastal waters & Economic Zones  
   (b) C.P.P. & D.P.P  
   (c) C.F.S. & HUB (Reference container Trade)  
   (d) F.W.A & Brackish Water  
   (e) R.O.B. & O.B.Q.  
   (f) S.B.T. & SLOP  

Q.7  
   (a) What are favourable & adverse effects of ocean current on shipping?  
   (b) How are tides caused? Why is it important to know the state of tide at a shipping port?  
   (c) How do cyclones / hurricanes affect shipping operation? Discuss with examples with respect to EAST COAST OF INDIA & USA EAST COAST.  

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