



NAROTTAM MORARJEE INSTITUTE OF SHIPPING

MUMBAI

Main + 03 No. of Supplement = 04....

Examination :- PGDSM - FIRST YR./ FINAL YR./ ASSOCIATESHIP / FELLOWSHIP

Month March Year 20 25 TOTAL MARKS

Subject Geography of sea transport

14
513/2

Q	1	2	3	4	5	6	7	8	9	10	11	12	Total
M	15	14	\	13	14	13	\	\	\	\	\	\	69

WRITE BELOW

Q.1. a) Route of a suezmax ship from Hongkong to port said:-

1. The vessel depart from Hongkong (China)
2. Pass the Malacca strait
3. Enters in Indian Ocean.
4. Passes from Gulf of Aden
5. Enters in Red sea.
6. Passes Gulf of suez.
7. Enters in Suez canal (Egypt)
8. Reaches Port said.

Q.1. b) Cold 'current' :- i) California current
ii) Peru current
Hot current :- Alaska current
Brazil current

Q.1. c) Time zones of countries
1) Pakistan (GMT+5)
2) Indonesia (GMT+7)
3) China (GMT+8)
4) Japan (GMT+9)

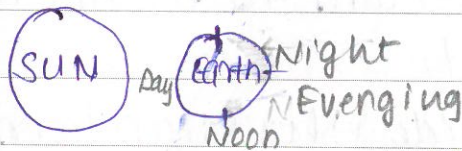
0
C

- Q.2. a) 1) Suez canal :-
Sea :- Red sea & Mediterranean sea
Port said
2) Panama Canal
Sea :- Atlantic ocean & Pacific ocean
Port :- Balboa & Cristobal

- Q.2. b) Le Havre (France)
Colombo (Sri Lanka)
Sydney (Australia)
Casablanca

- Q.2. d) crude oil importing countries
South Korea & Japan.

Q4 A) i) a) The Earth Revolves around the sun, Hence due to it some part of the earth have day, Evening, moon & Night at same time.



b) For example, A person having breakfast at 9 o'clock another person in other part of the world will be having lunch going to bed.

b) Before the invention of clock, people used to follow the direction of the sun in order to carry out their duties during kingdoms.

c) As the people started moving from one state to another, there is need for well established time so people start following solar mean time.

d) Due to the innovation and development there is the development of time zones.

e) The earth revolves 360° around sun to complete one round that it moves 15° longitude from 1 hr for one point to another.

f) Thus, the earth is divided into 24 zones and 12 zones i.e. 24 hours.

e) The needs of time zones is to have complete 24 hours start and end in every part of country with no confusion.

f) The imaginary line passes from the London UK a city called Greenwich is the base line for calculation of time zones which is 0° longitude. i.e. GMT

g) The time zones prevailing in the zones are 7.5° east and 7.5° west

h) Due to the introduction of GMT, the people

has clear idea of the timing in the world.

i) If a person moves eastward to westward of GMT one day is subtracted or if a person moves westward to eastward the one day is added.

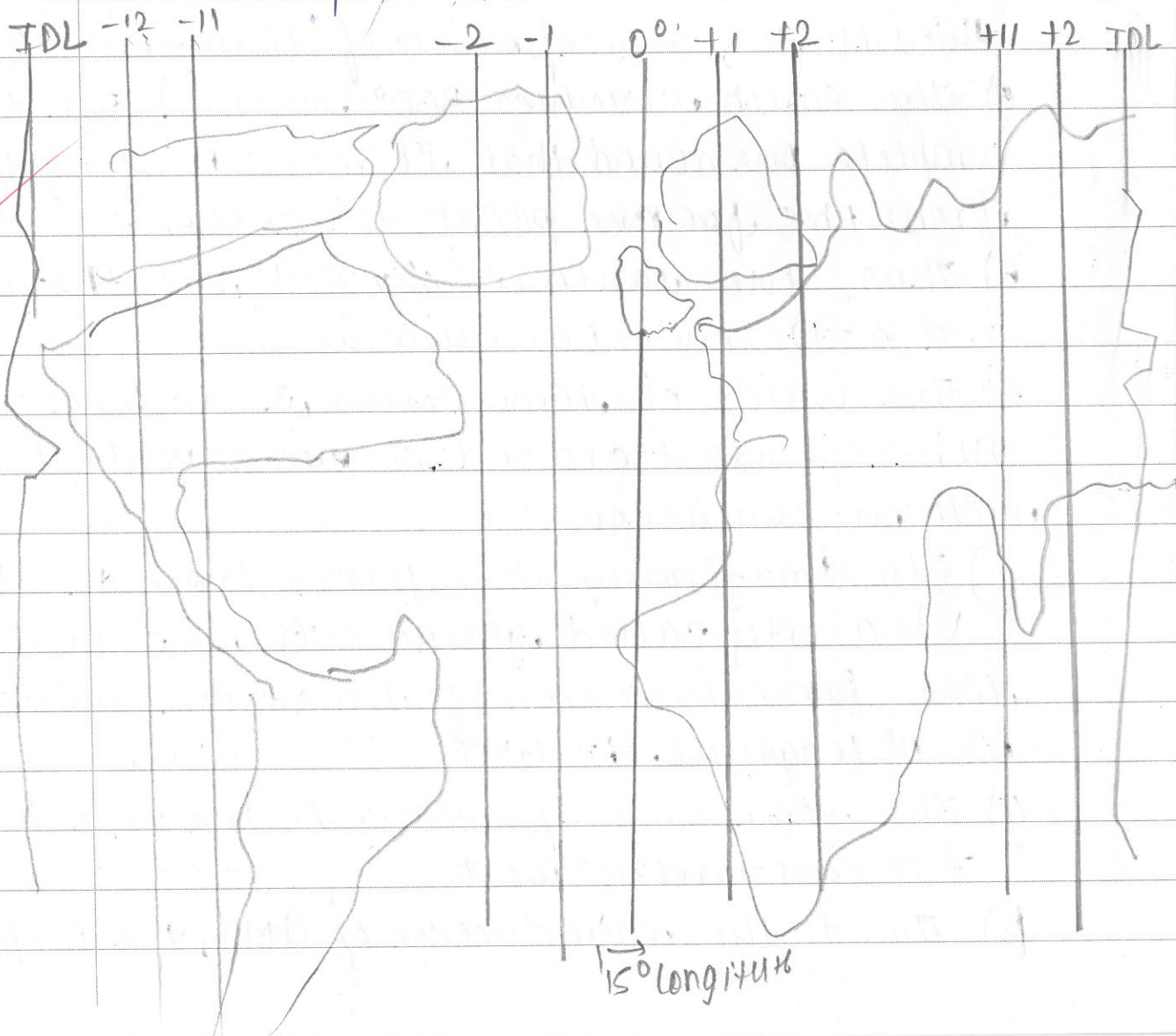
ii) The GMT provides the standard mean time to the world to understand the different time zones in different country.

iii) Very useful for calculating the time of other country whenever the other person's country location is.

iv) If a person moves from eastward to North America one day is deducted.

v) For Example, a person travels from eastward to North America at 4:00 pm of Monday the time will deducted.

For Example :- India's GMT is GMT+5:30.



Q.4. A) ii) a) The daylight saving time is the process of moving the clock ~~time~~ hour forward in the country during.

b) It is mainly followed by European countries or American countries.

c) The reason of moving the clock time to make use of the sunlight for the fullest.

d) The people will get up early and come back to home early and use the daylight time for other purpose.

e) The features of Daylight time: -

A) Using the Daylight time: -

i) The people will use the daylight time for spending time at home with family or can invest the time in other activities.

ii) For early from bed leads to various health benefit.

B) Saving of energy: -

i) The using of the energy will decrease more daylight helps to reduce the dependence on other non-natural benefits.

ii) The people will start investing the time more efficiently.

c) Not universally adopted: -

i) The Daylight time is not universally adopted yet.

ii) Just followed by some countries.

13

D) Enjoy the life: -

One of the most important factor of Day saving ~~time~~ time that they can invest the extra time for the individual

Q.4. B)

The countries have adopted the Daylight saving time due to various reasons which are listed below: -

A) Helps the become more

A) The using of the day saving times helps the fullest use of the daylight which also stands various commercial and health benefit

a) Saves the energy.

b) The people will get up early in the morning and able to start with some physical activities.

B) The Development of Personal: -

a) The person can invest the time in investing the time on oneself

b) It also helps them to have more time with the family.

C) Time Management: -

a) The people will start going to bed early and get up early in the

mourning.

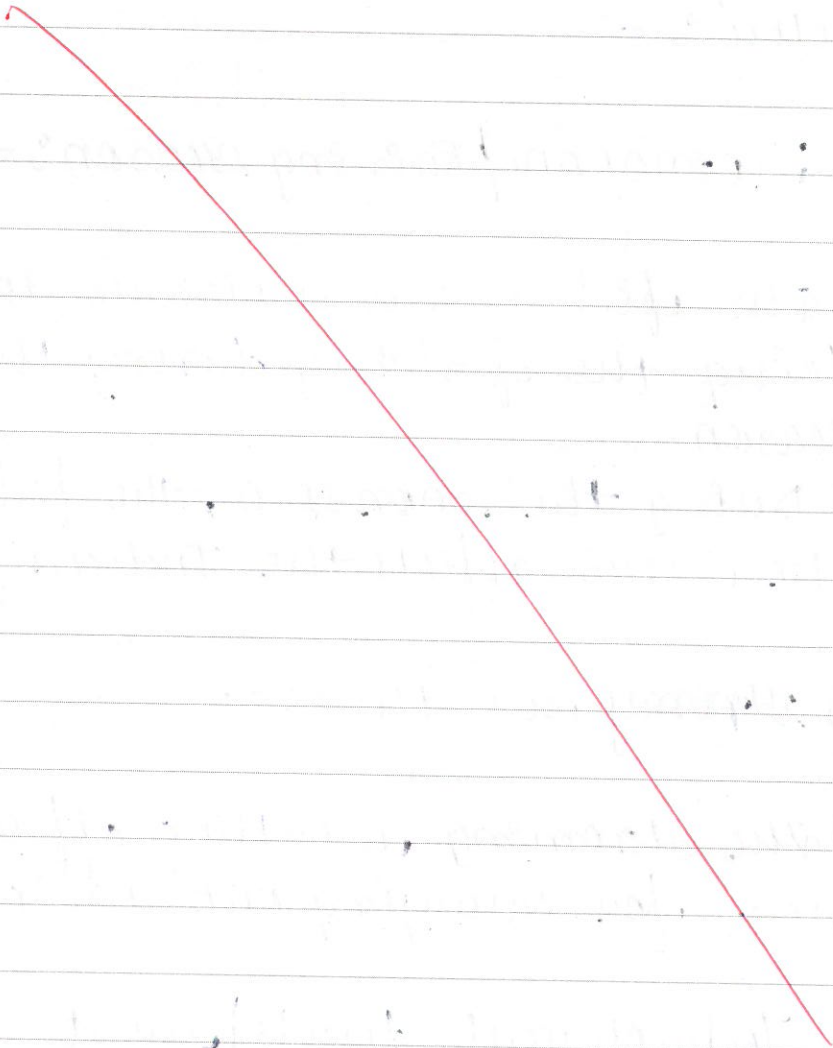
D) Investment in other activity :-

The people will get the time for other business to develop.

New Innovation will start in the country.

E) The Advance method :-

a) The Day saving time plays as a advance method to use the available resources of from the nature.



Q.6. i)

i) The fishing industries is one of the glamorous market relating to the commercial launing.

ii) The Indian coastal area is of 7516 km long with Exclusive Economic zones of 200 Nautical miles which is almost 200 km two million km capacity.

iii) Thus, Indian fishing Industry has the capacity of launing more than 5 million.

iv) But, only 40% to 50% of the capacity is used and remaining are pouches.

v) The Indian fishing industries has facing various hurdles which are listed below:-

A) Monsoon / Raining season:-

a) The fishers are not able to manage for doing the fishing during the monsoon season.

b) During the monsoon, the fisher man will be ideal affects the Indian fishing sector.

B) Stormy weather:-

a) The stormy weather affects the fisher men for carrying out their work.

C) Technological development:-

a) Lack of ~~the~~ technological development-

NAROTTAM MORARJEE INSTITUTE OF SHIPPING



No. of Supplement :1.....

Candidate Roll No.

MUMBAI

Examination :- PGDSM - FIRST YR./ FINAL YR./ ASSOCIATESHIP / FELLOWSHIP

Month Mar Year 20 25

Subject Shipping Geography

MRG
05/03/25

WRITE BELOW

leads to affect the fishing industries as the
a vessel equipped vessel with necessary
requirement of advanced shipping not
proper forecasting leads to affect the
vessel while in sea.

D) Lack of training :-

- a) Lack of training to the fishermen, fishing
faunens etc. leads to affect the productivity.
- b) The adequate training will help them
to take the advantages of advance techniques
to carry the works & duties more efficient

E) Lack of Infrastructure development :-

- a) A well developed infrastructure helps to
expand the working of the fishing industries
like a goods connection of inland waterways
the developed connectivity of road, sea, &
rail.

F) Pollution :-

- a) The increasing water & sea pollution
leads to the adverse effect on the
fishing resources of the sea.
- b) The marine life get adverse effect

G) Promotion in International Market:-

a) The promotion of Indian Fishing Export in International Markets due to which it affects the way the competitors take over the market with well advanced marketing & Promotional activities.

H) Government Policy:-

The Government should promote and regulate the new policy for the development of the industry.

To safeguard the interest of fishermen and other parties.

I) The spread of Virus:-

If there is any virus in the sea body affects the productivity of the Industry.

L) Lack of research and development

The life span of marine industry is short i.e. perishable in nature leads to the require more research in order to carry new techniques to help the market.

M) Quality Standards:-

The Quality is one of the more important

of element in the international market to get the Export opportunities in the world market.

N) Development in the warehousing :-

The development of warehousing mainly the refrigerator warehousing due to the stowage of the perishable goods.

8.6.11)

- 1) The fishing industry requires a good support in order to take the full advantage of the market.
- 2) Thus, the Govt. plays very crucial role in the development.
- 3) Following are the initiative taken by the Indian government in order to develop the fishing industry of India.

A) The development of Development of the Marine industry committee that is P Murari Committee which leads to the development of the

a) The regulation of the Marine / fishing management by the way of new policy and regulation

b) The Promotion and development program carry out

c) Research and development

B) The MPDEC of the shipping i.e. Marine Product development and Exports leads to the development of the Marine industry at large, some of the following initiatives are like training, research and promotion of Exports

C) The following are the list of the initiatives:-

1) The development of Infrastructure :-

The government took the initiative for the registration of the infrastructure for the fishing industry.

**NAROTTAM MORARJEE
INSTITUTE OF SHIPPING**

No. of Supplement : 2.....

MUMBAI

Examination :- PGDSM - FIRST YR./ FINAL YR./ ASSOCIATESHIP / FELLOWSHIP

Month Mar Year 20 25

Subject Geo.

MRC
05/03/25

WRITE BELOW

II) The training program:-

The training programme started related to the fishing techniques, farming etc.

III) The inspection:-

The government starts inspecting the standard of the quality of the goods i.e. fishes. The warehousing and other factor start get checked in order to maintain the high standard.

IV) The Promotion of Indian Export market:-

The promotion of the Indian Export market started on industrial platform. The advertisement & marketing

V) The Regulation of the Marine fishing and Transport:-

The initiative start related the development of policy, rules in order to regulate the safe and efficient market.

VI) Ancillary Industry development:-

The development of the ancillary industry like refr manufacturing sector etc got helped by government.

vii) Research & development programmes are carrying out by the government in order to develop the industry.

Q.5.b) Gujarat :- Kandla, Mundra, Dahej, Hazira.
Kerala :- Beypore, Ernakulam, Kochi, Kollam.
West Bengal :- Haldia, Sagar, Kolkata.

- Q.5.a) India's marine time trade is heavily on its port as 90% of volume of trade is taken through marine route.
- b) To boost the Make in India and development of logistic industry, the Sagarmala project is a historic and beneficial of port development of India through modernization, computerization and mechanization.
- c) The India is bordered three side by sea with coastline of 7500 km leads to the make a country for the developed logistic coordination.
- d) The Sagarmala project was passed by Union cabinet in the year 2015 under the help of PM Narendra Modi.
- e) The Sagarmala project aims at the development of EXIM and domestic logistic with minimal infrastructure investment.
- f) The project has the capacity of creating the revenue from the EXIM industry is about USD 110 million.
- g) The Sagarmala project has created the employment opportunity of more than 10 million.
- h) The Ministry has started the project of Sagarmala seaplan project for air all activities.
- i) The project of Sagarmala was aimed as significant for the development of Indian ports along the coastal shipping.
- j) The GDP from Maritime industry is only 4.9% for India where as the GDP 70% & 75% from Europe and Germany.

- l) The GDP from marine & port is only 1% and 9% from railway and 6% from roadways which leads to the significant development and need for sagarmala project.
- m) The ^{reasons} ~~phenomena~~ for sagarmala project are:-

A) Seachande trade and logistics:-

- i) The project helps to develop the transportation and logistics industry at a large extent rate.
- ii) Due to that the cost of the transport will reduce to 5% to 6%.

B) Job creation:-

- i) Creates a job opportunity ^{for} more than 10 million.
- ii) Beneficial for the development of the country and coastal people.

C) Rural development:-

- i) Due to the development of the coastal shipping, national waterway, the rural development also increased.
- ii) Better job opportunity, supports ancillary industry.

D) Tourism:-

The development leads to the coastal tourism.

**NAROTTAM MORARJEE
INSTITUTE OF SHIPPING**

No. of Supplement : 3.....

Candidate Roll No.

MUMBAI

Examination :- PGDSM - FIRST YR./ FINAL YR./ ASSOCIATESHIP / FELLOWSHIP

Month Mar Year 20 25

Subject Ceo

WRITE BELOW

8
5/3/25

E) Cost Saving:-

1) A well advanced coastal shipping, logistic trade and better connectivity leads to reduce the cost

ii) The function of Sagarmala project:-

1) Port development and managing:-

The development of the Port at various part of the countries with various ongoing project in Kakinada etc.

2) Port connectivity :-

The Port connectivity with the Industrial area in India, provides a smooth flow the transaction.

3) Coastal shipping and inland waterways:-

A well connectivity and development of the coastal shipping and inland waterways helps the coastal area to develop.

4) Infrastructural development:-

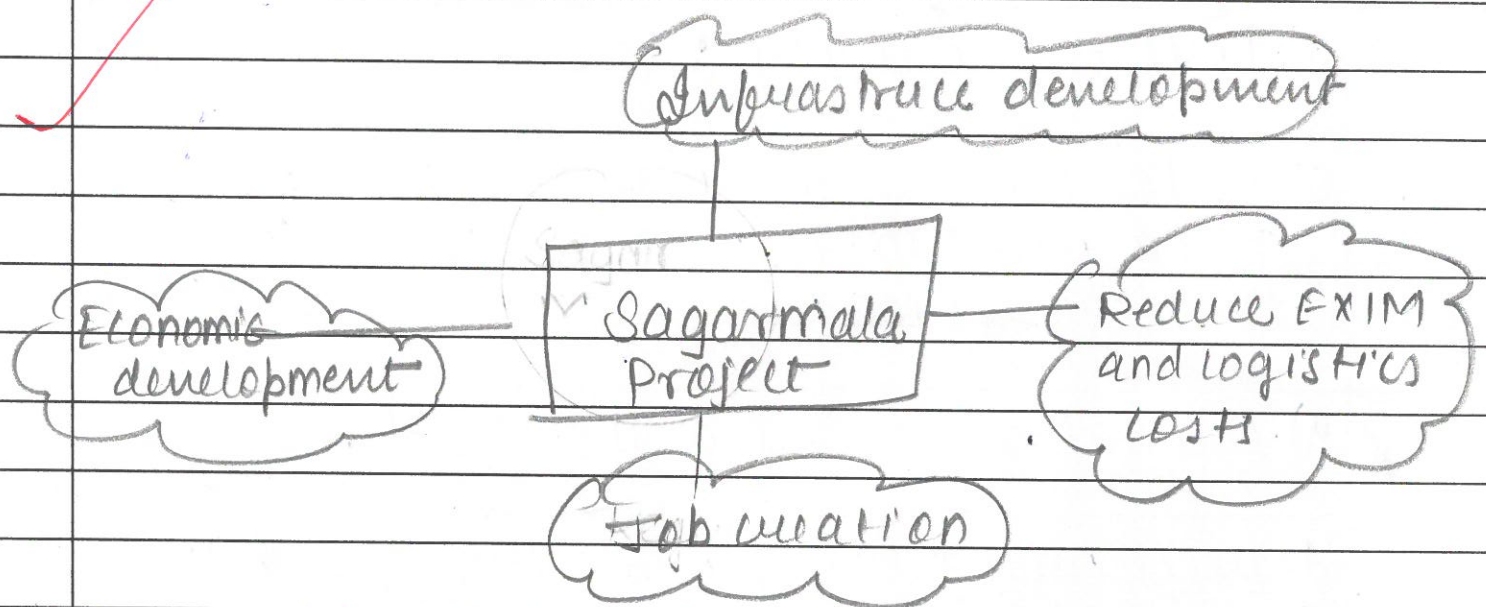
The development of the Infrastructure through the development of ports, roads, roads, highway helps the country's development.

5) Economic development:-

The Sagarmala will helps the development of the economic development due to the long term benefits it has.

6) Other Industry's development:-

The sagar mala helps the other industry like regional small business, fishing industry will increase.



Thus, Sagarmala project has the capacity to skyrocket the India's economic.

The ~~55~~ ports are started developing and seems very fruitful for the India's GDP.

The government has estimated the sagar mala project will be completed by the 2035.

It creates a huge impact on world.

Helps to stand India to high platform in the handling of the volume.

Sagarmala project is a gateway to open to play a crucial part in Global marine time industry.

8.50186)

NMIS. EXAM 2025 ROLL NO.

15/12

