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| Subject : Geography |  CHPT : 7 LIFELINES OF OUR ECONOMY |  Date of Notes: 14-8-2018 |
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|  | **CHAPTER SUMMARY – POINTS TO REMEMBER** |  |
|  | 1· The movement of goods and services from their supply locations to demand locations necessitate the need for transport.2· The major objective of the Super Highways is to reduce the time and distance between the mega cities of India.3· Super highway projects are being implemented by the National Highway Authority of India (NHAI)4· Golden Quadrilateral Super Highways links Delhi-Kolkata-Chennai-Mumbai and Delhi.5· The North-South corridors links Srinagar (Jammu & Kashmir) and Kanyakumari (Tamil Nadu)6· East-West Corridor connects Silcher (Assam) and Porbander (Gujarat)7· National highways are maintained by the Central Public Works Department (CPWD)8· The historical Sher- Shah Suri Marg is called National Highway No.1, between Delhi and Amritsar.9· The National Highway 7 between Varanasi and Kanyakumari is the longest highway of India.10· The National Highway, NH 2 is between Delhi and Kolkata.11· The National Highway, NH 3 is between Agra and Mumbai.12· The National Highway. NH 8 is between Delhi and Mumbai.13· The National Highway, NH15 passes through Rajasthan.14· State highways are constructed and maintained by the State Public Works Department (PWD)15· District roads are maintained by the Zila Parishad.16· Under Pradhan Mantri Grameen Sadak Yojana scheme every village in the countryis to be linked to a major town by an all season motorable roads.17· Border Roads Organization (BRO) constructs and maintains border roads.18· The length of road per 100 sq. km of area is known as density of roads.19· Road density is lowest in Jammu and Kashmir (10 Km)20· Road density is highest in Kerala (375 Km)21· National average of road density is 75 Km.22· The first train steamed off from Mumbai to Thane in 1853.23· The largest Public Sector Undertaking (PSU) is Indian Railways.24· The Konkan railway has been developed along the west coast.25· Indian railways have been organized into 16 zones.26· Oil refineries could be located away from oil fields because of pipelines.27· Fertilizer plants could be located in the interiors because of pipelines.28· India has a coastline of 7,516.6 km, 12 major ports, and these ports handle 95 percent of India’s foreign trade.29· Kandla is a tidal port, first port developed soon after Independence, developed toreduce the pressure of Mumbai port.30· Mumbai is the biggest natural harbour port of our country.31· The Jawaharlal Nehru port was developed to decongest the Mumbai port.32· Marmagao port is the main iron ore exporting port, (50% of iron is exported).33· New Mangalore port export iron ore from Kudremukh mines.34· Kochi is lagoon natural harbour.35· Tuticorin port is a natural harbor and trade with Sri Lanka, Maldives are carried om from this port.36· Chennai is the 2nd largest and oldest artificial port.37· Vishakhapatnam is the deepest landlocked port, developed for iron ore exports.38· Paradip port (Orissa) exports iron ore.39· Kolkata is an inland riverine port, a tidal port, on the river Hoogly .40· Haldia port was developed as a subsidiary port, to reduce pressure on the Kolkata port.41· Pawanhans Helicopters Ltd. provides helicopter services to Oil and Natural Gas Commission for their off-shore oil rigs.42· Pawanhans Helicopters Ltd. also provides helicopter services in inaccessible and difficult terrains like the north-eastern states and the interior parts of Jammu and Kashmir, Himachal Pradesh and Uttaranchal.43· Air India, owned by Government of India, provides international air services.44· Indian airlines, owned by the Government of India domestic carrier also provide services to neighbouring countries of Asia.45· The First class mail includes Cards and Envelopes; they are airlifted between stations covering both land and air.46· The second–class mail includes book packets, registered newspapers andperiodicals. They are carried by surface mail, covering land and water transport.47· In order to strengthen the flow of information from the grassroot to the higher levelgovernment is providing STD facilities to every village of our country.48· Doordarshan is the National Television Channel of India. It is one of the largest terrestrial networks in the world.49· The largest numbers of newspapers published in the country are in Hindi, followed by English and Urdu.50· India is the largest producer of feature films in the world.51· The Central Board of Film Certification is the authority to certify both Indian and foreign films.52· The exchange of goods among people, States and countries is referred to as trade.53· The market is the place where such exchanges take place.54· Trade between two countries is called International Trade.55· Exports and imports are the two component of international trade.56· The difference between the money value of export and imports is known as Balance of trade.57· If the value of exports is more than the value of imports, it is called Favourable balance of trade.58· If the value of imports is more than the value of exports, it is called Unfavourable balance of trade.59· The share of Petroleum products has largely increased in our exports.60· The share of coal, coke and **briquettes** has largely increased in our imports. (**Note: Briquettes** are compressed block of coal dust, charcoal sawdust, etc. used for burning to get heat energy)61· The money value of the export of Information technology is greater than the exports of goods.62· Rajasthan, Goa, Jammu and Kashmir and temple towns of south India areimportant destinations of foreign tourists in India. |  |
| **Sl.****No.** | **Questions and Answers** | **Marks** |
|  | **ROADWAYS** |  |
| 1. | Why the importance of road ways over railways is growing in India?**OR**“Roadways have a definite edge over railways in India.” Justify the statement. In India, roadways have preceded railways. The growing importance of roadtransport is due to the following reasons –i. Construction cost of roads is much lower than that of railway lines,ii. Roads can traverse comparatively more dissected and undulating topography, iii. Roads can negotiate higher gradients of slopes and as such can traversemountains such as the Himalayas,iv. Road transport is economical in transportation of few persons and relativelysmaller amount of goods over short distances,v. It also provides door-to-door service, thus the cost of loading and unloading ismuch lower,vi. Road transport is also used as a feeder to other modes of transport such as theyprovide a link between railway stations, air and sea ports. | 5 |
| 2. |  Name six classes of roads in India according to their capacity.The six classifications of roads in India are:i. Golden Quadrilateral Super Highwaysii. National Highwaysiii. State Highwaysiv. District Roadsv. Other Roadsvi. Border Roads | 3 |
| 3. | What are Super highways? Name 3 major super highway projects.Super highways are six lane highways connecting major cities and ports of thecountry for speedy movement of goods and passengers. They are developed byNHAI for reducing time and distance.3 super highways of India are:1**) Golden Quadrilateral Super Highways**: It links Delhi-Kolkata-Chennai-Mumbai and Delhi by six-lane Super Highways.2) **The North-South corridors** linking Srinagar (Jammu & Kashmir) andKanyakumari (Tamil Nadu)3) **East-West Corridor** connecting Silcher (Assam) and Porbander (Gujarat) | 3 |
| 4. | What are National Highways?National Highways link all major cities of extreme parts of the country. These arethe primary road systems. They are maintained by the Central Public WorksDepartment (CPWD). | 1 |
| 5. | What are State Highways? Roads linking a State capital with different district headquarters are known as StateHighways. These roads are constructed and maintained by the State Public WorksDepartment (PWD) in State and Union Territories. | 1 |
| 6. | What are District roads? Roads which connects the district headquarters with other places of the district are called district roads. These roads are maintained by the Zila Parishad. | 1 |
| 7. | What are Rural roads?Roads which link rural areas and villages with towns are classified as rural roads.Under the Pradhan Mantri Grameen Sadak Yojana scheme special provisions aremade so that every village in the country is linked to a major town in the countryby an all season motorable road. | 3 |
| 8. | What are Border Roads? Mention its importance.Strategically important roads in the bordering areas of the country are called border roads. These roads are in the northern and Northeastern border areas.Importance of Border roads: -1) Border roads have improved accessibility in areas of difficult terrain.2) They have helped in the economic development of border areas.3) They are used to supply military equipment to the borders of our country. | 3 |
| 9. | What is the importance of road transport in India?1. Very useful for transport of goods and passengers over short distances.
2. Cheap and easy for construction and maintenance
3. Provides door to door services.
4. Very useful for fast movement of perishable goods and
5. Can traverse hilly regions and strategic areas along borders
 | 5 |
| 10. | State the problems of Road transport in the country.Major problems are:i. Road network is inadequate keeping in view the volume of traffic and passengers.ii. About half of the roads are un-metalled and this limits their usage duringthe rainy season.iii. The National Highways are inadequate.iv. Moreover, the roadways are highly congested in citiesv. Most of the bridges and culverts are old and narrow. | 5 |
|  | **Railways** |  |
| 11. | Describe the importance of Railways in India.. The railways has been the principal mode of transportation for freight and passengers in India.ii. Suitable for long distance travel.iii. Conduct of multiple activities like business, sightseeing, and pilgrimage along withtransportation of goods.iv. Plays an important role of national integration.v. Bind the economic life of the country as well as accelerate the development of theindustry and agriculture.vi. The largest public sector undertaking in the country. | 5 |
| 12. |  Describe the factors which influence the distribution pattern of Railway network in India.The distribution pattern of the Railway network in the country has been largelyinfluenced by physiographic, economic and administrative factors.i ) **The Northern Plains**: “ The density railway network is high in the northern plains because they are vast level land, have high population density and rich agricultural resources.But, a large number of rivers create obstacles because it requiresconstruction of bridges across their wide beds.ii) **In the Peninsular region** : the hilly terrains of the peninsular region, railway tracts are laid through low hills, gaps or tunnels therefore it difficult to construct railway lines.iii) **The Himalayan mountain** : regions are unfavorable for the construction ofrailway lines due to high relief, sparse population and lack of economic opportunities.iv) **Deserts, Forests and Swamps** - It is difficult to lay railway lines on the sandy plain of western Rajasthan, swamps of Gujarat, forested tracks of Madhya Pradesh, Chhattisgarh, Orissa and Jharkhand. Sinking of tracks in some areas and landslides makes it difficult for construction of railways. | 5 |
| 13. | Mention some of the problems faced by the Indian Railways.i. Many passengers travel without tickets.ii. Thefts and damaging to railway property has not yet stopped completely.iii. People stop the trains by pulling the chain unnecessarily and this causes heavy damage to the railway lines.  | 3 |
|  | **Pipelines** |  |
| 14. |  Describe the importance of Pipelines in India.1. They are used for transporting crude oil, petroleum products and natural gas from oil fields and natural gas fields to refineries, fertilizer factories and big thermalpower plants.
2. Solids can also be transported through pipelines when converted into slurry.
3. Because of pipelines, refineries at Barauni, Mathura, Panipat and gas based fertilizer plants, could be located in the interiors of India.
4. Initial cost of laying pipelines is high but subsequent running costs are low.
5. Pipelines rules out trans-shipment (from one mode of transport to another) losses or delays.
 | 5 |
| 15. | Name three important networks of pipeline transportation in the country.i) Pipeline from oil field in upper Assam to Kanpur (Uttar Pradesh).ii) Pipeline from Salaya in Gujarat to Jalandhar in Punjab,iii) Pipeline from Hazira in Gujarat to Jagdishpur in Uttar Pradesh. | 3 |
|  | **Waterways** |  |
| 16. | Mention the importance of water transport.1. Waterways are the cheapest means of transport.
2. They are most suitable for carrying heavy and bulky goods.
3. It is a fuel-efficient and environment friendly mode of transport.
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| 17. | . Name three National Waterways of our country.The 3 National waterways are –1. The Ganga river between Allahabad and Haldia (1620 km)-N.W. No.1
2. The Brahmaputra river between Sadiya and Dhubri (891 km)-N.W. No.2
3. The West-Coast Canal in Kerala (Kottapurma-Komman, Udyogamandal and Champakkara canals-205 km) – N.W. No.3.
 | 3 |
|  |  **Airways** |  |
| 18. | . Mention the importance of airways.i) It is the fastest, most comfortable and prestigious mode of transport.ii) It can cover very difficult terrains like high mountains, deserts, and denseforests.iii) It can also cover long oceanic stretches with great ease.iv) Airways have made access easier in the north-eastern part of the country which has big rivers, dissected relief, dense forests and frequent floods and international frontiers.v) It helps in disaster management by providing emergency services and food supply. | 5 |
|  | **Communication** |  |
| 19. | Name six mail channels introduced by Indian postal network.Six mail channels for quick delivery of mails in large towns and cities:i) Rajdhani Channel,ii) Metro Channel,iii) Green Channel,iv) . Business Channel,v) Bulk Mail Channelvi) Periodical Channel. | 3 |
| 20. |  Mention the importance of mass communication.i) Mass communication provides entertainment.ii) They create awareness among people about various national programmes andpolicies.iii) They provide a variety of programmes in national, regional and local languages for various categories of people, spread over different parts of the country.iv) They strengthen democracy in the country by providing news and information to the masses.v) They help in rural development which is suffering from illiteracy and superstitious social practices.vi) It helps in agriculture sector by helping farmers by providing them informationabout new agricultural practices. | 5 |
|  | **International Trade** |  |
| 21. |  Define Balance of trade. Distinguish between Favourable balance of trade and Unfavourable balance of trade.The difference between export and import is known as Balance of trade.Difference between favourable and unfavourable balance of trade:i) If the money value of exports is more than the value of imports, it is calledfavourable Balance of trade.ii) If the money value of imports is greater than the value of exports it is known as unfavourable Balance of trade.iii) Favourable balance of trade is regarded good for the economic development where as unfavourable balance of trade is seen harmful for the country’s economy. | 3 |
| 22. | Define international trade. Why it is considered as economic barometer of a country?International trade is defined as the exchange of goods and services between twoor more countries.It is considered as an economic barometer becausei) Advancement in international trade of a country leads to economicprosperity.ii) Income earned from international trade constitutes a major part in the netnational income.iii) Large international trade leads to revival of domestic economy. | 3 |
| 23. | Name major commodities which India imports and exports.1. **Major Exports:**a. Gems and jewelry.b. Agriculture and allied products.c. Petroleum products.d. Ores and Mineralse. Chemical products.f. Engineering goods.

**ii. Major Imports:**a. Petroleum and petroleum products such as crude oil, natural gas, syntheticraw materials.b. Pearls and precious stonec. Inorganic chemicalsd. coal, coke and briquettese. Machinery |  3 |
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|  | **Tourism as a Trade** |  |
| 24. | Mention the importance of tourism as a trade.i) Our country earns foreign exchange through Tourism.ii) More than 15 million people are directly engaged in the tourism industry.iii) Tourism also promotes national integration,iv) It provides support to local handicrafts and cultural pursuits.v) It also helps in the development of international understanding about our culture and heritage.vi) Heritage tourism, eco- tourism, adventure tourism, cultural tourism, medical tourism and business tourism promotes development of all sectors of economy. | 5 |

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