

SAMPLE QUESTION PAPER - 1

Geography (029)

Class XII (2024-25)

Time Allowed: 3 hours

Maximum Marks: 70

General Instructions:

Read the following instructions carefully and follow them:

1. This question paper contains 30 questions. All questions are compulsory.
2. Question paper is divided into five sections A, B, C, D and E.
3. Section A Questions no. 1 to 17 are Multiple Choice type questions. Each question carries 1 mark.
4. Section B Questions no. 18 and 19 are Source-based questions. Each question carries 3 marks.
5. Section C Questions no. 20 to 23 are Short Answer type questions. Each question carries 3 marks. Answer to these questions shall be written in 80 to 100 words.
6. Section D Questions no. 24 to 28 are Long Answer type questions. Each question carries 5 marks. Answer to these questions shall be written in 120 to 150 words.
7. Section E Questions no. 29 and 30 are Map-based questions. Each question carries 5 marks.
8. There is no overall choice given in the question paper. However, an internal choice has been provided in a few questions in all sections other than Section A.

Section A

1. **Assertion (A):** Human development does not enlarge people's choices but makes them fixed. [1]

Reason (R): Development magnifies people's choices and improves their lives.

- a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false. d) A is false but R is true.

2. Match the following [1]

Column I (Types of Agriculture)	Column II (Regions)
(a) Mediterranean Agriculture	(i) Tunisia

(b) Co-operative Farming	(ii) Netherlands
(c) Market Gardening and Horticulture	(iii) N-E USA
(d) Collective Farming	(iv) USSR

- a) (a) - (iii), (b) - (iv), (c) - (i), (d) - (ii) b) (a) - (i), (b) - (ii), (c) - (iii), (d) - (iv)
- c) (a) - (iv), (b) - (iii), (c) - (ii), (d) - (i) d) (a) - (ii), (b) - (iii), (c) - (iv), (d) - (i)

3. The West-East Australian National Railway line runs across the country from [1]

- a) Perth to Sydney b) Sydney to Alice
c) Melbourne to Sydney d) Alice to Perth

4. **Statement I:** In India, after independence, some old towns around metropolitan cities developed as satellite towns. [1]

Statement II: Delhi is a good example of such metropolitan cities.

- a) Only statement I is correct. b) Both statements I and II are correct and statement II is the correct example of statement I.
c) Only statement II is correct. d) Both statements I and II are correct, but statement II is not the correct example of statement I.

5. Which approach of **human development** was proposed by the International Labour Organisation (ILO)? [1]

- a) Capability b) Basic need
c) Welfare d) Income

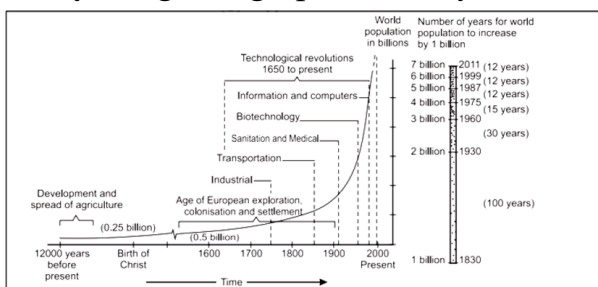
6. What is the hardest mineral? [1]

- a) Gabbro b) Basalt
c) Granite d) Diamond

12. Which of these factors is the most important consideration for the relationship between humans and environment? [1]
- a) Human brotherhood b) Technology
- c) People's perception d) Human intelligence
13. Which of the following options describe water as a resource? [1]
- a) Biotic resource and non-renewable b) Biotic and renewable resource
- c) Renewable resource d) Abiotic and non-renewable resource
14. Choose the correct option of Indian mining towns. [1]
- a) Ujjain, Haridwar, Varansasi b) Raniganj, Jharia, Singrauli
- c) Prayagraj (Allahabad) Ambala, d) Meerut, Babina, Kanpur
Amritsar

Question No. 15 to 17 are based on the given text. Read the text carefully and answer [3] the questions:

Study the given graph carefully and answer the following questions:



15. Which of the following aspects is represented by the graph?
- a) Place of Origin, Growth and Destination b) Resource, Technology and Population Growth
- c) Institution, Information and Increase in Population d) Classification of period in BC, AD and Century
16. During the sixteenth and seventeenth century which factor set the stage for rapid population growth?
- a) Expanding world trade b) Technological revolution

c) Economic reforms

d) Age of European exploration

17. After the evolution and introduction of _____ about 12,000 to 8,000 years ago, the size of population was small-roughly 8 million.

a) Agriculture

b) Industrialisation

c) Technology

d) All of these

Section B

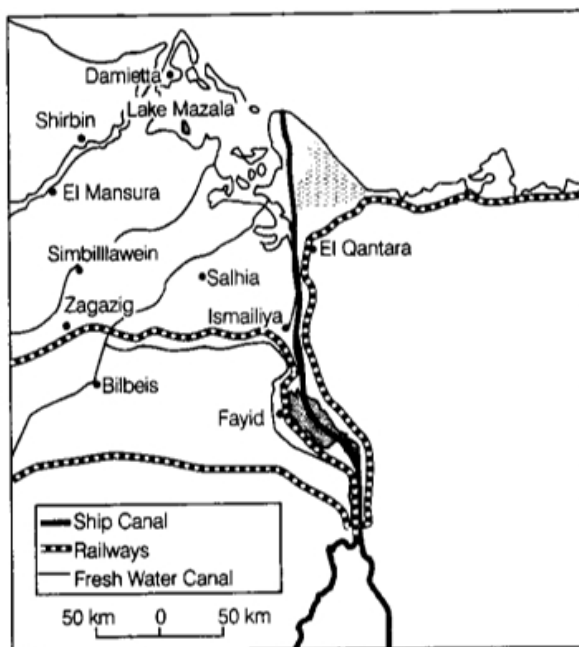
18. High technology, or simply high-tech, is the latest generation of manufacturing activities. It is best understood as the application of intensive research and development (R and D) efforts leading to the manufacture of products of an advanced scientific and engineering character. Professional (white collar) workers make up a large share of the total workforce. These highly skilled specialists greatly outnumber the actual production (blue collar) workers. Robotics on the assembly line, computer -aided design (CAD) and manufacturing, electronic controls of smelting and refining processes, and the constant development of new chemical and pharmaceutical products are notable examples of a high-tech industry. [3]

i. What is the meaning of high tech industries?

ii. Give any two examples of High-tech Industries.

iii. Why technological innovations are important for industries?

19. Study the following map of the Suez Canal carefully and answer the questions that follow. [3]



i. Name the aountry through which this canal passes.

ii. Name the seas connected by this canal.

iii. Why is this canal considered a gateway of Europe to the Indian Ocean?

Section C

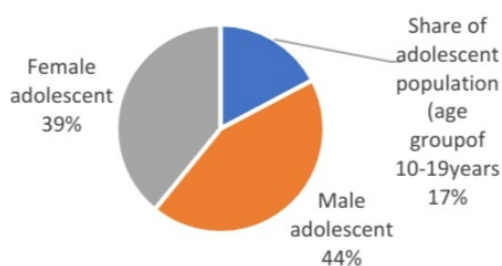
20. The available water resources in India are getting polluted with industrial, agricultural and domestic effluents. Justify the statement. [3]

OR

Analyse any three key features of Indian National Water Policy.

21. Study the pie-chart given below and answer the questions that follow: [3]

Share of Adolescent population
in India, 2011



Source: Census of India, 2011

- i. What does the above-given pie chart describe about the adolescent population in India?
- ii. What has an important step taken by the government of India for the development of the adolescent population?
- iii. What are the main problems of an adolescent?
22. Give two reasons for the increase in difference between value of import and exports trade of India. [3]
23. What are quinary activities? Name the activities included in it. [3]

Section D

24. Discuss the factors influencing mining activity. [5]
25. Describe the role of roads in the economic development of India. [5]

OR

Describe the benefits of water transport over railways.

26. Explain with examples the development of International Trade. [5]

OR

What are the two types of international trade? Explain characteristics of each.

27. How did Green Revolution bring about **grain revolution** in some parts of India? [5]

OR

Scope for bringing in additional land under net sown area in India is limited.

Discuss how can we increase cultivated land?

28. Analyze any five measures for establishing ecological balance in the **Indira Gandhi Canal Command Area**. [5]

OR

Discuss the programmes designed to reduce regional disparities in India.

Section E

29. On the given political map of the World, seven geographical features have been marked as A, B, C, D, E, F and G. Identify any five with the help of the following information and write their correct names on the lines drawn near each feature. [5]

A. A major seaport

B. An international airport

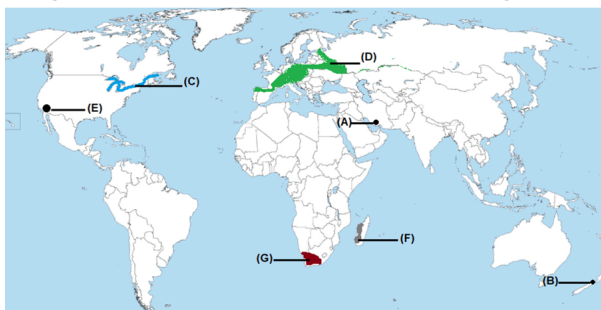
C. An important Seaway

D. An area of Mixed Farming

E. Western Terminal of Trans Canadian Railways

F. An area of Nomadic Herding

G. Region of extensive commercial grain agriculture



30. On the given political outline map of **India**, locate and label any five of the following seven geographical features with appropriate symbols: [5]
1. The state with the lowest level of population density
 2. The leading state in the production of sugarcane
 3. The leading state in the production of coffee

4. Katni : Major bauxite mines

5. Barauni : Oil refinery

6. Paradwip : Major sea port

7. Hyderabad : Major airport



Solution
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Section A

1.

(d) A is false but R is true.

Explanation:

The concept of human development was introduced by Dr. Mahbub-ul-Haq. Dr. Haq has described human development as development that enlarges people's choices and improves their lives. **People are central to all development under this concept.** All the developments are moving around the people. These **choices are not fixed but keep on changing.** The basic goal of development is to create conditions where people can live meaningful lives.

The assertion is incorrect but the reason is correct.

2.

(b) (a) - (i), (b) - (ii), (c) - (iii), (d) - (iv)

Explanation:

(a) - (i), (b) - (ii), (c) - (iii), (d) - (iv)

3. **(a)** Perth to Sydney

Explanation:

Perth to Sydney

4.

(b) Both statements I and II are correct and statement II is the correct example of statement I.

Explanation:

Both statements I and II are correct and statement II is the correct example of statement I.

5.

(b) Basic need

Explanation:

Basic need

6.

(d) Diamond

Explanation:

Diamond.

The heat and pressure causes the diamonds molecules to change so that they're so close together, the molecules can't move. The closeness of these molecules forms a rigid bond, therefore making the diamond hard.

7.

(b) Bauxite

Explanation:

Bauxite

8.

(d) Poverty

Explanation:

Most of the slum population works in low-paid, high risk-prone, unorganised sectors of the urban economy. Consequently, they are the undernourished, prone to different types of diseases and illness and deprive of proper education.

9.

(d) Airways

Explanation:

Airways

10. **(a)** Both statements are correct, statement II explains statement I

Explanation:

Both statements are correct, statement II explains statement I

11.

(b) ii, iii, iv, i

Explanation:

ii, iii, iv, i

12.

(b) Technology

Explanation:

Technology

13.

(c) Renewable resource

Explanation:

Renewable resource.

Water can be considered a *renewable* material when carefully controlled usage and temperature, treatment, and release are followed.

14.

(b) Raniganj, Jharia, Singrauli

Explanation:

Raniganj, Jharia, Singrauli

15. **(b)** Resource, Technology and Population Growth

Explanation:

Resource, Technology and Population Growth

16. (a) Expanding world trade

Explanation:

Expanding world trade

17. (a) Agriculture

Explanation:

Agriculture

Section B

18. i. High tech industry is the latest generation of manufacturing activities. These industries make use of application of research and development (R&D) efforts leading to the manufacture of products of an advanced scientific and engineering nature. In these industries, the number of white collar workers is more than blue collar workers.
- ii. Two examples of High-tech Industries are Computer Industries and Chemical Industries.
- iii. Technological innovations through research and development strategy are an important aspect of modern manufacturing for quality control, eliminating waste and inefficiency, and combating pollution.
19. i. Egypt
- ii. Mediterranean Sea and Red Sea.
- iii. Suez canal was constructed in 1869 in Egypt between Port Said in North and Port Suez in the South. It is a sea level canal without locks and sea water flows freely through it. It is about 160 km and 11 to 15 metre deep. It provides a direct sea route for Europe in the Indian Ocean. Therefore, it is considered as a gateway of Europe to the Indian Ocean.

Section C

20. i. **Industry:** Water gets polluted by industrial products such as industrial waste, poisonous gases, chemical residues, smoke, etc.
- ii. **Agriculture:** The use of chemical fertilizers, insecticides, and pesticides leads to runoff into water bodies. These chemicals can harm aquatic ecosystems and affect water quality.
- iii. **Domestic:** Domestic waste, including household sewage, is a major source of water pollution.

OR

- i. Irrigation and multi-purpose projects should invariably include drinking water component, wherever there is no alternative source of drinking water.
- ii. Providing drinking water to all human beings and animals should be the first priority.
- iii. Measures should be taken to limit and regulate the exploitation of groundwater.

- iv. Both surface and groundwater should be regularly monitored for quality. A phased programme should be undertaken for improving water quality.
 - v. The efficiency of utilisation in all the diverse uses of water should be improved.
 - vi. Awareness of water as a scarce resource should be fostered.
 - vii. Conservation consciousness should be promoted through education, regulation, incentives and disincentives.
21. i. The above-given chart shows that the share of adolescents i.e., up to the age group of 10-19 years is about 20.9%, among which male adolescents/constitute 52.7% and female adolescents constitute 47.3%.
- ii. The National Youth Policy is one example that has been designed to look into the overall development of our large youth and adolescent population.
- iii. School dropouts, low intake of nutrients, high rate of maternal mortality of adolescent mothers, high rate of HIV and AIDS infections, physical and mental disability or retardedness, drug abuse and alcoholism.
22. In 2010-11 value of imports was ₹ 1,683,467 crore and the value of exports was ₹ 1,142,649 crore and the difference was ₹ 540,818 crore. The gap between import and export values has widened, resulting in a mounting adverse balance of trade.
- There are two major reasons for this state of affairs:**
- i. The hike in prices on the world level
 - ii. The declining value of Indian rupee in the world market.
23. The Quaternary Sector along with the Tertiary Sector has replaced most of the primary and secondary employment as the basis for economic growth. Quinary activities refer to the activities performed by the highest level of decision makers or policy makers. It includes those activities which focus on the creation, rearrangement and interpretation of existing and new ideas, data interpretation, and the use and evaluation of new technologies. It includes highly paid senior business executives, government officials, research scientists, financial and legal consultants, etc.

Section D

24. Mining activities are influenced by both physical factors as well as economic factors. These are:
- i. Formation, size, depth, grade and the mode of occurrence of deposits. The minerals that are near to the surface are extracted easily whereas the minerals deep inside the earth are extracted by underground mining.
 - ii. Mining activities require sophisticated tools for cutting tunnels, sinking of shaft and other works. Hence, the availability of technology is another important factor.
 - iii. Desirable knowledge, cheaper technology, demand of mineral in market, supply of labour and finance to develop infrastructure is also required.

- iv. Sufficient transport availability to link mining sites with the markets and industries is also important.
- v. Processing machines and industries are also required to process the extracted minerals and convert them into useful products is also required.

25. Roads serve as the lifeline of Indian trade. They connect the consumers with producers that are they connect urban and rural centres. Rural centres are producers of agricultural goods that are consumed by them and are transported to urban centres because they do not have the production of agricultural commodities. On the other hand, urban centres produce consumer products and supply them to the rural areas.

The government has categorized various road types which are headed by different authorities. The largest bulk of transportation and trade is carried out through national highways that connect major cities, ports and capitals. Although most of India's international trade is carried out through airways and seaways the construction of border roads has helped in increasing the trade with the neighbouring countries thus providing an impetus to international trade.

It was due to the development of roads that the British were able to penetrate and exploit the interiors of the country. Roads supplement the ports and airways. Ports and airways are major means of India's international trade, but to connect the interiors to the ports and airports, a good working connection of roads is must, so that the products which are traded can circulate within the interiors of the country. Therefore roads play a pivoted role in connecting all other means of transportation since it is the only means of transportation that provides door to door service.

OR

Benefits of water transport over railways:

- i. It does not require route construction whereas railways requires. The maintenance cost for water transport is significantly lower compared to rail and road transport. This makes it an economical choice for transporting goods.
- ii. The ocean waters are inter-connected.
- iii. It is cheaper over railways and the friction of water is far less. It provides a cost-effective means of moving goods over long distances.
- iv. The energy cost of water transport is also lower than railways.
- v. Water transport is suitable for heavy tonnage. Water transport is well-suited for heavy and bulky goods. Ships can carry large quantities of cargo efficiently and at a lower cost.

26. Nations trade internationally when there are not the resources or capacity to satisfy domestic needs and wants domestically. By developing and exploiting their domestic

resources, countries can produce a surplus. They may use this surplus to buy goods they need from abroad, i.e. through international trade.

Development of International Trade:

- i. In ancient times, transporting goods over long distances was risky, hence trade was restricted to local markets.
- ii. Earlier people spent most of their resources on the basis of necessities-food and clothes.
- iii. Only the rich people bought jewellery, costly dresses and this resulted in the trade of luxury items.
- iv. Fifteenth-century onwards, the European colonization began along with the trade of exotic commodities (a new form of trade emerged which was called the slave trade)
- v. After the Industrial Revolution, the industrialised nation imported primary products as raw material and exported the value-added finished products to the non-industrialized nations.
- vi. In the latter half of the nineteenth century, the industrial nations became each other's principal customers.
- vii. Post World War II, organizations like GATT (WTO) was formed to reduce tariffs to regulate International Trade.

OR

The two types of international trade are:

1. Bilateral trade: Characteristics -

1. Bilateral trade was highly popular within Finnish business circles, as it allowed the commission of very large orders, additionally with less stringent requirements for sophistication or quality, if compared to Western markets.
2. Bilateral trade agreements provides common platform to act a united fashion in other multilateral platform , like multilateral trade negotiation in the world trade organization (WTO) and even in global political arena under the UN.
3. It facilitates resources sharing and to have unique voice in the other forums. For example during 11-17 may 2009 this writer participated in an international workshop on South Asia economic integration.
4. Bilateral agreements seem to provide instant, mutual gains for each country's own economy. This observation allows government to work with coalitions supporting liberalization.
5. It is easy to control international trade on bilateral trade agreements because only two countries are involved compared to multilateral where many countries may involve.

2. Multilateral trade: Characteristics-

1. A great variety of products and services available to the world since many countries will be involved.

2. Wider markets for the producing country conferring the economies of large - scale production.
 3. The overall growth of trade due to the reciprocal advantages.
 4. More exchange of technical knowhow (Transfer of technology)
 5. Strength bargaining power against non multilateral nation.
 6. Transaction cost will be eliminate because it lowers conversion charges for member states.
 7. Price transparency because of the distorting of exchange rate.
 8. Encourage investment to member of states because uncertainty caused by exchange rate fluctuation are eliminated in country where there is universal currency
27. Green Revolution strategy was introduced to do away with food shortage and import of foodgrains. In 1965, the total production of foodgrains was 90 million tonnes. It became essential to increase the cropped area total production and yield per hectare. Wonderful results were achieved through Green Revolution. The total production of foodgrains in 2015-2016 has increased to above 280 million tonnes. In fact, the Green Revolution has been a grain revolution.

It is clear from the following table:

Year	Foodgrains production (Million tonnes)
1970-71	108.4
1980-81	129.6
1990-91	176.4
2000-01	196.8
2006-07	217.3
2009-10	218.1
2015-16	280.0

- i. The use of high yielding varieties of wheat and rice like Kalyan, S-308, Jaya, Ratna, etc. have led to increased yields per hectare. The yield of wheat rose from 13 quintals per hectare to 33 quintals per hectare in Punjab. In case of rice, a 45% increase in productivity was obtained in Andhra Pradesh.
- ii. The use of extensive irrigation increased the total production of foodgrains.
- iii. Use of chemical fertilisers led to higher yield per hectare.

OR

It may be observed that over the years, there has been a marginal decline in the available total stock of cultivable land as a percentage to the total reporting area. There has been a

greater decline of cultivated land, in spite of a corresponding decline of the cultivable wasteland. There is, thus an urgent need to evolve and adapt land-saving technologies.

- i. Land saving technologies can be classified under two heads- Those which raise the yield of any particular crop per unit area of land; Those which increase the total output per unit area of land from all crops grown over one agricultural year by increasing land-use intensity.
- ii. The advantage of the latter kind of technology is that along with increased output from limited land, it also increases the demand for labour significantly. For a land scarce but labour abundant country like India, a high cropping intensity is desirable not only for fuller utilisation of land resource but also for reducing unemployment in the rural economy.

28. **Indira Gandhi Canal Command Area.**

- i. The first requirement is strict implementation of Water Management Policy which envisages protective irrigation in Stage 1 and extensive irrigation of crops and pasture development.
- ii. In general, the cropping pattern shall not include water intensive crops. It shall be adhered to and people shall be encouraged to grow plantation crops.
- iii. The CAD programmes such as lining of water courses, land development and levelling and warabandi system shall be effectively implanted to reduce the conveyance loss of water.
- iv. The areas affected by water logging and soil salinity shall be reclaimed.
- v. The Eco-development through afforestation, shelter belt, plantation and pasture development.

OR

The programmes designed to reduce regional disparities can be classified into two groups are as follow:

- i. **Integrated Area Approach and Local Planning:** One of the important measures for reducing regional disparities in India relates to the preparation of integrated plans for selected areas and to the formation of district plans. Among them, integrated plans for hill areas, drought-prone areas, tribal areas and areas with a concentration of marginal and small farmers are worth mentioning.
 - Hill Area Development Programmes
 - Tribal Area Development Programmes
 - Drought Prone Area Programmes
 - Metropolitan Region Planning
- ii. **Special Integration in Sectoral Plans:** The following programmes, specially designed to promote balanced regional development were integrated within sectoral programmes

during different plans.

- Community Development Programme
- Industrial Location and Regional Development
- Intensive Agricultural Development Programme

Section E

29. A. A major seaport (Aden)

B. An international airport (Wellington)

C. An important Seaway (St. Lawrence Seaways)

D. An area of Mixed Farming (North-western Europe)

E. Western Terminal of Trans Canadian Railways (Vancouver)

F. An area of Nomadic Herding (island of Madagascar)

G. Region of extensive commercial grain agriculture (Velds of South Africa)

30. Outline map

