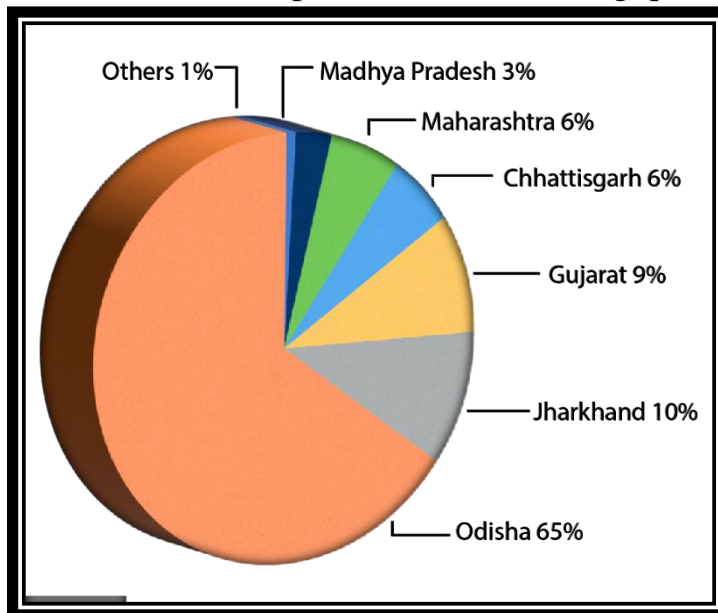


**CLASS X**  
**GEOGRAPHY**  
**PRACTICE QUESTIONS**  
**2024-2025**  
**SET IV**  
**(ANSWER KEY)**

Answer the following questions:

Maximum Marks:20

1. Interpret the following pie graph that shows the production of bauxite in different states of India and choose the correct option for the following question. 1



Which of the following groups of states holds the 1<sup>st</sup> and the 2<sup>nd</sup> position in bauxite production?

- a. Jharkhand and Odisha
  - b. Madhya Pradesh and Jharkhand
  - c. Odisha and Jharkhand (Ans)
  - d. Odisha and Gujarat
2. Match List I and List II from the following table and choose the correct answer from the options given below: 1

LIST I	LIST II
a. Peat coal	i. Metallurgical coal
b. Lignite	ii. Highest quality hard coal
c. Bituminous	iii. Decaying plants in swamps
d. Anthracite	iv. Low-grade brown coal

Options:

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

b. a-i, b-ii, c-iii, d-iv

c. a-ii, b-i, c-iv, d-iii

d. a-iv, b-iii, c-i, d-ii

3. How is Bauxite formed? Name any two minerals formed due to evaporation, mainly in the arid region. 2+1= 3

**Ans:** Bauxite is formed by the decomposition of surface rocks, and removal of soluble constituents, leaving behind a residual mass of weathered material containing ores.

Two minerals formed due to evaporation in arid regions are gypsum and potash salt.

4. Explain three factors that make mineral extractions commercially viable. 3

**Ans:** The factors that make mineral extraction commercially viable are:

- i. The mineral content of the ore must be sufficient.
- ii. The type of formation or structure in which the ore is found. This determines the relative ease with which the minerals can be mined.
- iii. The cost of mining.

5. Why are petroleum refineries known as 'nodal industry'? 3

**Ans:** Petroleum refineries act as a "nodal industry" because they provide fuel for heat and lighting, lubricants for machinery, and raw materials for a number of manufacturing industries like synthetic textile fertilizer and numerous chemical industries. That is why petroleum refineries are called nodal industry

6. "Minerals are an indispensable part of our lives." – Explain. 5

**Ans:** Minerals are an indispensable part of our lives for the following reasons:

- i. Almost everything we use, from a tiny pin to a towering building or a big ship, is made from minerals.
- ii. The railway lines and the tarmac (paving) of the roads, our implements, and machinery too are made from minerals.
- iii. Cars, buses, trains, and aeroplanes are manufactured from minerals and run on power resources derived from the earth.

- iv. Even the food that we eat contains minerals.
- v. In all stages of development, human beings have used minerals for their livelihood, decoration, festivities, and religious and ceremonial rites.

7. Read the following paragraph and answer the questions that follow: 4

The mining industry plays a crucial role in the global economy, supplying essential resources for various sectors, mainly the secondary. However, it also faces significant challenges related to sustainability, demand uncertainty, technological disruption, labour unrest, and operational costs. The mining industry is often referred to as a "killer industry" due to the hazardous working conditions and health risks associated with mining activities. Workers in the mining industry are exposed to a range of physical and chemical hazards, including exposure to toxic chemicals, dust, noise, and radiation. Mining accidents such as collapses, explosions, and fires can also result in serious injuries and fatalities. Additionally, mining activities can have negative impacts on the environment and surrounding communities, including air and water pollution, land degradation, and displacement of local communities.

a. What are the challenges faced by the mining industry? 1

**Ans:** The challenges faced by the mining industry are related to sustainability, demand uncertainty, technological disruption, labour unrest, and operational costs.

b. Why is mining known as a “killer industry”? 2

**Ans:** The mining industry is often referred to as a "killer industry" due to the hazardous working conditions and health risks associated with mining activities. Workers in the mining industry are exposed to a range of physical and chemical hazards, including exposure to toxic chemicals, dust, noise, and radiation. Mining accidents such as collapses, explosions, and fires can also result in serious injuries and fatalities.

c. Mention two ways in which mining can have a negative influence on the environment. 1

**Ans:** Mining activities can have negative impacts on the environment in the following ways:

- i. Air pollution
- ii. Water pollution
- iii. Land degradation
- iv. Displacement of local communities. ( any 2)