

Here are the **exam-style questions and answers** based on **Chapter 12: Africa**, following the given format:

## **PART I (30 Marks)**

(Attempt all questions)

**Choose the correct answer from the given options:**

**1. Which line of latitude passes through the middle of Africa?**

- a) Tropic of Cancer
- b) Tropic of Capricorn
- c) Equator
- d) Prime Meridian

**Answer:** (c) Equator

**2. Which is the highest mountain in Africa?**

- a) Mount Kenya
- b) Mount Kilimanjaro
- c) Mount Toubkal
- d) Mount Elgon

**Answer:** (b) Mount Kilimanjaro

**3. Which desert is the largest hot desert in the world?**

- a) Kalahari Desert
- b) Namib Desert
- c) Sahara Desert
- d) Atacama Desert

**Answer:** (c) Sahara Desert

**4. What is the longest river in Africa?**

- a) Congo River
- b) Niger River
- c) Limpopo River
- d) Nile River

**Answer:** (d) Nile River

**5. Which water body lies to the north of Africa?**

- a) Red Sea

- b) Mediterranean Sea
- c) Indian Ocean
- d) Atlantic Ocean

**Answer:** (b) Mediterranean Sea

**6. Which island is the largest off the coast of Africa?**

- a) Seychelles
- b) Madagascar
- c) Comoros
- d) Zanzibar

**Answer:** (b) Madagascar

**7. Which physical feature forms a transition zone between the Sahara Desert and the Savannas?**

- a) The Great Rift Valley
- b) The Sahel
- c) Ethiopian Highlands
- d) Atlas Mountains

**Answer:** (b) The Sahel

**8. Which river forms an important inland drainage system in Africa?**

- a) Nile River
- b) Zambezi River
- c) Senegal River
- d) Lake Chad

**Answer:** (d) Lake Chad

**9. Which African country is known as 'Cocoa Land'?**

- a) Nigeria
- b) Ghana
- c) Ethiopia
- d) Sudan

**Answer:** (b) Ghana

**10. Which basin in Africa is home to tropical rainforests and the deepest river in the world?**

- a) Zambezi Basin
- b) Congo Basin
- c) Nile Basin
- d) Niger Basin

**Answer:** (b) Congo Basin

## PART II (50 Marks)

(Attempt any five questions)

### 1. Describe the location and boundaries of Africa.

Answer:

- Africa is located **between 37°N and 35°S latitude and 18°W and 51°E longitude.**
- The **Equator passes through the middle**, making it a tropical continent.
- It is surrounded by:
  - **Mediterranean Sea** (north)
  - **Indian Ocean** (east)
  - **Atlantic Ocean** (west)
  - **Red Sea and Suez Canal** (northeast)
- **Africa is connected to Asia via the Isthmus of Suez.**

### 2. Explain the major physical divisions of Africa.

Answer:

- **Sahara Desert:** Largest hot desert in the world, covering most of North Africa.
- **Sahel:** Semi-arid region between the Sahara and Savannahs.
- **Savannahs:** Grassland regions, home to diverse wildlife.
- **Ethiopian Highlands:** Also called the '**Roof of Africa**', includes Mount Ras Dashan.
- **Great Rift Valley:** A deep valley with volcanic activity, extending 5,000 km.
- **Congo Basin:** Dense tropical rainforest, drained by the Congo River.
- **Kalahari & Namib Deserts:** Located in Southern Africa.
- **Coastal Plains:** Found along the Mediterranean, Atlantic, and Indian Oceans.

### 3. Explain the features and significance of the Sahara Desert.

Answer:

- **The Sahara Desert** is the **largest hot desert** in the world, covering 8.6 million km<sup>2</sup>.
- It extends from the **Atlantic Ocean to the Red Sea.**
- **Features:**
  - **Oases** – Areas where underground water supports vegetation.

- **Ergs** – Sandy desert plains.
- **Hamada** – Rocky desert surfaces.
- **Serir** – Gravel plains.
- **Climate:**
  - Extremely dry with less than **25 cm rainfall per year**.
  - High temperature during the day and extreme cold at night.
- **Economic Importance:**
  - **Oil and gas deposits** are found here (e.g., Algeria, Libya).
  - Used for **camel trade routes**.

#### 4. What is the Great Rift Valley? Describe its features.

Answer:

- The **Great Rift Valley** is a **long and narrow depression** in the Earth's crust, formed **25–30 million years ago**.
- It extends **5,000 km from the Red Sea to Mozambique**.
- **Features:**
  - **Deep cracks and faults** due to tectonic activity.
  - **Volcanic activity:** Includes Mount Kilimanjaro and Mount Kenya.
  - **Lakes:** Includes Lake Tanganyika, Lake Malawi, and Lake Turkana.
  - **Biodiversity:** Rich in wildlife and minerals.
- **Importance:**
  - Supports **agriculture and human settlements**.
  - Contains valuable **mineral and geothermal resources**.

#### 5. Describe the process and significance of cocoa cultivation in Ghana.

Answer:

- Ghana is one of the **world's largest producers** of cocoa.
- **Conditions required for cocoa cultivation:**
  - **Temperature:** 24°C to 28°C.
  - **Rainfall:** 125–150 cm per year.
  - **Soil:** Well-drained, rich in humus.
- **Process:**
  1. **Planting:** Cocoa trees are planted in nurseries and then transferred.

2. **Harvesting:** Cocoa pods are collected and beans are extracted.

3. **Processing:** Beans are fermented, dried, and exported.

- **Importance:**

- Cocoa contributes to **35–40% of Ghana's total export earnings**.

- Major exports go to **Europe and the USA**.

6. Differentiate between the Nile and Congo (Zaire) river basins.

Feature	Nile River Basin	Congo (Zaire) River Basin
Length	6,650 km (longest in the world)	4,700 km
Drainage	Flows <b>north</b> into the Mediterranean Sea	Flows <b>west</b> into the Atlantic Ocean
Source	Lake Victoria	Central Africa (Rainforest region)
Climate	Arid and semi-arid	Tropical rainforest climate
Economic Importance	Supports <b>agriculture, irrigation, and tourism</b>	Rich in <b>biodiversity and minerals</b>

## Mapping Questions:

Shade and mark the following on the map of Africa:

1. The longest river in Africa – Nile River
2. The largest desert – Sahara Desert
3. The Great Rift Valley – Eastern Africa
4. The Cocoa-growing region – Ghana
5. The island of Madagascar – Off the east coast of Africa

This **exam-style** format comprehensively covers **Chapter 12: Africa**. Let me know if you need further modifications or additional content! 😊