

DAYANAND ANGLO VEDIC PUBLIC SCHOOL, MAHARASHTRA
SUB: SOCIAL SCIENCE
STD-IV
QUESTION BANK WITH ANSWERS
TOPIC: BRICKS AND BRIDGES

I. Choose the correct option

1. Lokhan lives in the state of
a. Andhra Pradesh **b. Arunachal Pradesh** **c. Uttar Pradesh**
2. The material which helps in making a building strong
a. straw **b. mud** **c. cement**
3. Bridges help in the easy movement of
a. vehicles **b. valley** **c. river**
4. The house that uses strong material
a. tree house **b. stilt house** **c. apartment**

II. Fill in the blanks

- Lokhan went to a construction site where his father works.
- Bricks are made in a kiln.
- Ayaan has never crossed a bamboo bridge.
- The earlier Suspension Bridges were made of wood and rope.
- The development in science and technology has enabled us to construct strong bridges.

III. Answer the following questions:

1. List the types of materials used in making a temporary house and a permanent house.

Ans: Temporary Houses are built with mud, thatch, straw, bamboo and wood. A tent is made up of canvas or nylon.

Permanent Houses are built with bricks, stones, cement, iron rods, glass, wood, etc.

2. Write two benefits of modern building materials.

Ans: The two benefits of modern building materials are

- They make the strong building.
- They make it safe.

3. What is a bridge? How is it useful?

Ans: A bridge is a structure that is built over a river, road or a railway.

It helps in the easy movement of people, goods and vehicles.

4. Briefly explain any two types of bridges.

Ans: **i) Suspension Bridge**- It can cover a long distance. Earlier suspension bridges were made of wood and rope. But now they are made of steel. Eg- Lakshman Jhula in Uttarakhand, Punalur Bridge in Kerala.

ii) **Cable Stayed Bridge**- It uses short cables that are attached to pillars.

Eg- Bandra Sea Link Bridge in Mumbai, Vidyasagar Setu

5. Highlight the differences between the lives of Lokhan and Ayaan.

Ans: Lokhan lived in a small hut in the village and used bamboo bridge to cross the river, whereas Ayaan lived in a strong building and used bridges made of iron and steel.

6. Explain the process of Brick Making.

Ans: The main steps of brick making are:

1. **Mining**- Clay is mined and stored in the open to make it soft and remove unwanted oxides.
2. **Tempering**- Clay is mixed with water to make a dough.
3. **Moulding**- A lump of mixture is taken, rolled in sand and put into a metal mould.
4. **Drying**- The mould is emptied onto the drying area. After every two days, the bricks are turned over for uniform drying.
5. **Firing**- The bricks are arranged in a kiln for baking. It makes the bricks strong.

IV. Name the following:

1. **Temporary Houses** – huts, tents, tree houses, log cabins, etc.
2. **Permanent Houses** – bungalows, flats, villas, havelies, etc.
3. **Types of bridges** –suspension bridge, cantilever bridge, cable stayed bridge, beam bridge, arch bridge, truss bridge, movable bridge, etc.
4. **Indian bridges** – Lakshman Jhula, Howrah Bridge, Golden Bridge, Bandra Sea Link Bridge, Airoli Bridge, etc.

V. Give reasons:

1. Clay is mined and stored in the open.

Ans: Clay is mined and stored in the open to make it soft and remove unwanted oxides.

2. Clay dough is rolled in sand before moulding.

Ans: Clay dough is rolled in sand before moulding so that the brick does not stick to the mould.

3. The bricks are baked in a kiln.

Ans: The bricks are baked in a kiln to make them strong.

4. Flyovers are built over roads.

Ans: Flyovers are built over roads to ease the movement of traffic.

VI. Complete the following analogies:

1. Hut : **Temporary house** :: Bungalow : Permanent house
2. Suspension bridge : Lakshman Jhula :: **Cantilever bridge** : Howrah Bridge
3. Tent : canvas :: Log cabins : **wood**
4. Suspension bridge : wood and rope :: **Cable Stayed bridge** : short cables

VII. Complete the table:

Sr.No	Type of bridge	Name of Indian bridges	State
1.	Suspension	Lakshman Jhula	Uttarakhand
2.	Cantilever	Howrah Bridge	West Bengal
3.	Cable Stayed	Bandra Sea Link Bridge	Maharashtra
4.	Truss bridge	Rajahmundry Railway Bridge	Andhra Pradesh
5.	Movable bridge	Golden Bridge	Tamil Nadu
6.	Beam bridge	Gandhi Setu	Bihar
7.	Arch bridge	Godavari Arch Bridge	Andhra Pradesh
8.	Flyover	J.J. Flyover	Maharashtra

VIII. Identify the bridges and Answer the following questions

a.



1. Name the type of bridge – **Cantilever bridge**

2. Are Cantilever bridges strong?

Ans: Yes, Cantilever bridges are strong as they support the load through diagonal bracing.

3. Give an example of Cantilever bridge.

Ans: Howrah Bridge on river Hoogli located in Kolkata (West Bengal).

b.



1. Name the type of bridge – **Flyover**

2. Why are flyovers built?

Ans: Flyovers are bridges built over roads to ease the movement of traffic.

3. Give an example of flyover.

Ans: Thane flyover (Mumbai)