



Rayat Shikshan Sanstha's  
**Karmaveer Bhaurao Patil College of Engineering,  
Satara**

Department of Civil Engineering

**Name of the activity: Snake & Ladder puzzle Activity**

Course: DRCS

Class: Btech Civil 2024-25

Sem VII

Course Coordinator: Prof. Mrs. A. V. Phalake

**Snake and Ladder Puzzle**

Date of conduction: 20<sup>th</sup> October 2024

**Rules:**

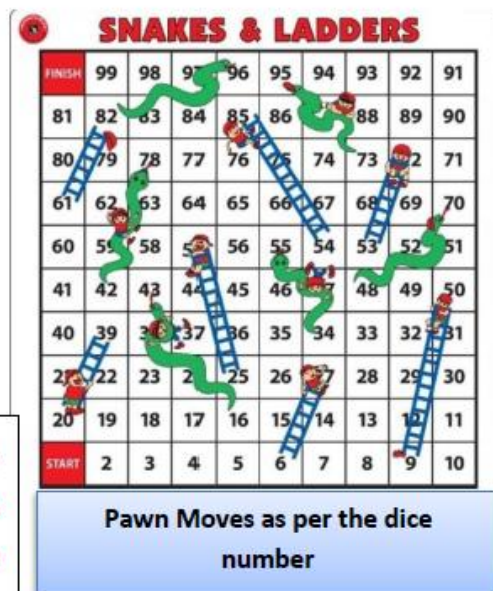
There are 10 Multiple Choice Questions given

**Q.1: What happens when the land near the earth's equator is heated?**

**Options:**

- a) All the oceans gets heated up (3)
- b) Small wind currents are formed (5)
- c) Rise in tides (1)
- d) Large atmospheric winds are created (4)

**Here answer is option d, option d has number 4 in bracket which is dice number so that you have to move pawn by 4 positions**



**Q.2 The solar radiation that reaches earth's surface differ in amount and character from the radiation at the top of atmosphere due to-**

- a) Radiation reflected back into space by clouds(3)
- b) Radiation absorbed by molecules in air(6)
- c) Oxygen and ozone absorbs ultraviolet radiation(5)
- d) Water vapors and carbon dioxide absorbs infrared (1)
- e) All of the above(2)

**Details of the activity:**

The various set of modules based on Design of Steel Structures for column and column bases are given to the students. Then study time is given to all. Once they prepared then started the snake and ladder puzzle activity. The students were enjoyed and participated actively in this activity. It encourages cooperative learning among students. It helps to improve problem-solving skills. Number of students participated: 50



Rayat Shikshan Sanstha's  
**Karmaveer Bhaurao Patil College of Engineering,  
Satara**

---

**Department of Civil Engineering**

**Learning Outcome:**

Students are able to design column and column bases also they have done plastic analysis, studied different collapse load mechanism.

Photos:-



Prof. Mrs. A. V. Phalake  
Course Coordinator