

Yashoda Shiskshan Prsarak Mandal's

Yashoda Technical Campus Approved by AICTE Delhi/ Govt. of Maharashtra/ Accredited by NAAC

NH-4, Wadhe, Satara 415011

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Faculty of Engineering

DEPARTMENT OF CIVIL ENGINEERING

Review Report

Review of Innovations by the
Faculty (Prof A. S. Shah) in Teaching and Learning
(Review to be sent to civilhod@yes.edu.in)
Details of Innovative Practice

1. Subject Area	Design of Beam
2. Innovative Practice	Snake & Ladder Puzzle used for effective understanding
3. Goals/Objectives	 i. To provide the practice of objective type questions on design of beam. ii. To help students understand the methods for systematic solving of objective type questions. iii. To provide different environment for students while solving the questions.
4. Methodology	 i) Sharing of objective type questions on RC Structure of beam for better understanding subject. ii) Providing practice of . iii) The students are expected to: Understand the concept of design of beam. Understand the importance of Sequential solving to get ultimate target.
5. Significance of results	i) Encourages self-learning and independent analysis.ii) Promotes reflective thinking and problem-solving approaches.

Vision: To become centre of excellence by producing Civil engineers having research and development activity, sound technical knowledge, professional skills and social awareness to serve society.

Mission:

1

M1: To impart quality technical education through interactive teaching learning method.

M2: To promote research and development activity by encouraging creativity and exposure to real world problem.

M3: To mentor students for innovating thinking with relevance to entrepreneurship

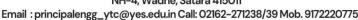
M4: To develop social awareness in graduates to serve society



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Faculty of Engineering

CIVIL ENGINEERING DEPARTMENT

Course: Design of RC Structures

CLASS: TY 23-24

ACTIVE LEARNING - SNAKE AND LADDER GAME



RULES

- 1. Start the game from Pawn position 1, WINNING POSITION IS 30.
- The number of moves for each option is marked within ()

Mun value for Fe 415 is a) 0.146 FCKbd2 - (2) b) 0.138 PCKM2 -(3) c | 0.145 FCKbd2-141 d) 0.133 PCKhd2 - (5) 2. If setual NA lies below Balance NA then the section is a) Balanced section - (1) b | Under R/T section - (2) c | Over R/f section - (2) d) None of the above - (3) 3. IS 456:2000 is used for practice of a) Plain concrete - (2) b) Reinforced concrete - (2)

d Steel Structure - (3) 4. Which of the following is an example for aspect of structural design? a) Inexpensive - (2)

c) High Strength Concrete - (1)

b | Appearance - (1) c) Safety - (3) d) All of the above - (2) Kindly share your Review for this SNAKE AND LADDER GAME

- The maximum area of tension reinforcement in beams shall not exceed
 - a) 0.15%-(1) b) 1.5% - (3). c) 4%-(2) d) 1%-(1)
- Superimposed load is a) Dead load (1)
 - b) Live load (1) c) Wind load, 4(4)
 - d Floor Finish (2)
- 7. The minimum number of main steel bor provided in RCC
 - a) Rectangular column is 4- (2) b) Circular column is 7- (1)
 - Octoponal column is 8- (2) d) Triangular column is 5- (2)
- Value of XUMAX for Fe 415 is
 - a) 0.53 d (1) b) 0.48 d - (1) c) 0.46 d - (2)
- 0.43 d (2)

Review -

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M3: To mention students for interesting thinking or its relevation to entroprises stilly M4: To denoting social on arrange to graduates to serve society.

Snake & Ladder game for design of Beam

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- M4: To develop social awareness in graduates to serve society