

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

**Classroom Assessment Techniques (CATs)**

Faculty:-Mrs. Babar Yogita V.

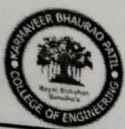
**Innovative Teaching Learning Activities**

**1. Crossword Puzzle-**

Objective	to motivate learning by developing interactive crossword puzzles for students to solve.
Procedure	<p>Construct the puzzle with words concerning major concepts from the course, lecture or topic.</p> <p>Clues can be written as statements, examples or fill-in-the blanks. Clues can include definitions and application of knowledge.</p> <p>Keep the crossword to no more than twenty clue-and-word pairs.</p> <p>Present the crossword as an in-class activity. Divide the class into groups of 3-5 students. Students work collaboratively to solve the clues. You can set a time limit to solving each clue or allow students to complete the entire crossword before re-grouping and comparing ideas.</p>

*Babar*

Babar Y.V.



**Classroom Assessment Techniques (CATs)**

Faculty:-Mrs. Babar Yogita V.

**Innovative Teaching Learning Activities**

**2. Concept Maps/Mind Maps-**

Objective	to consider how their own ideas and concepts are related
Procedure	Before class, create your own concept map <ul style="list-style-type: none"><li>• Proceed to have your students draw their own maps, either individually or in groups.</li><li>• Give them the directions and show a simple example of a concept map.</li><li>• Determine the ways in which the various concepts are related to each other and write those types of relations on the lines connecting the concepts.</li></ul>

**3. Course-Related Self-Confidence Survey-**

Objective	Able to assess students' levels of confidence and their ability to learn the skills and content of course.
Procedure	Create a simple survey to gather the data. For example: How confident do you feel? You will be able to do the following by the end of this course? For each, indicate: Very confident, somewhat, not very, not at all confident <ul style="list-style-type: none"><li>➤ Summarizing the data is a simple process of tallying responses to each question.</li></ul>

*Babar*

Babar Y.V.





The Rayat Shikshan Sanstha's  
Karmaveer Bhaurao Patil College of Engineering, Satara  
Basic Sciences & Humanities  
Innovative Teaching Learning Activities  
FY.B.TECH



Sr. No.	Name of Course/Subject	Name of Method	Name Of Faculty
1	Engineering Chemistry (BTBS202)	Mind Map	Prof.Babar Y.V.
		Crossword	
		One Minute Paper	
		Project Based Learning	
		Library Visit	

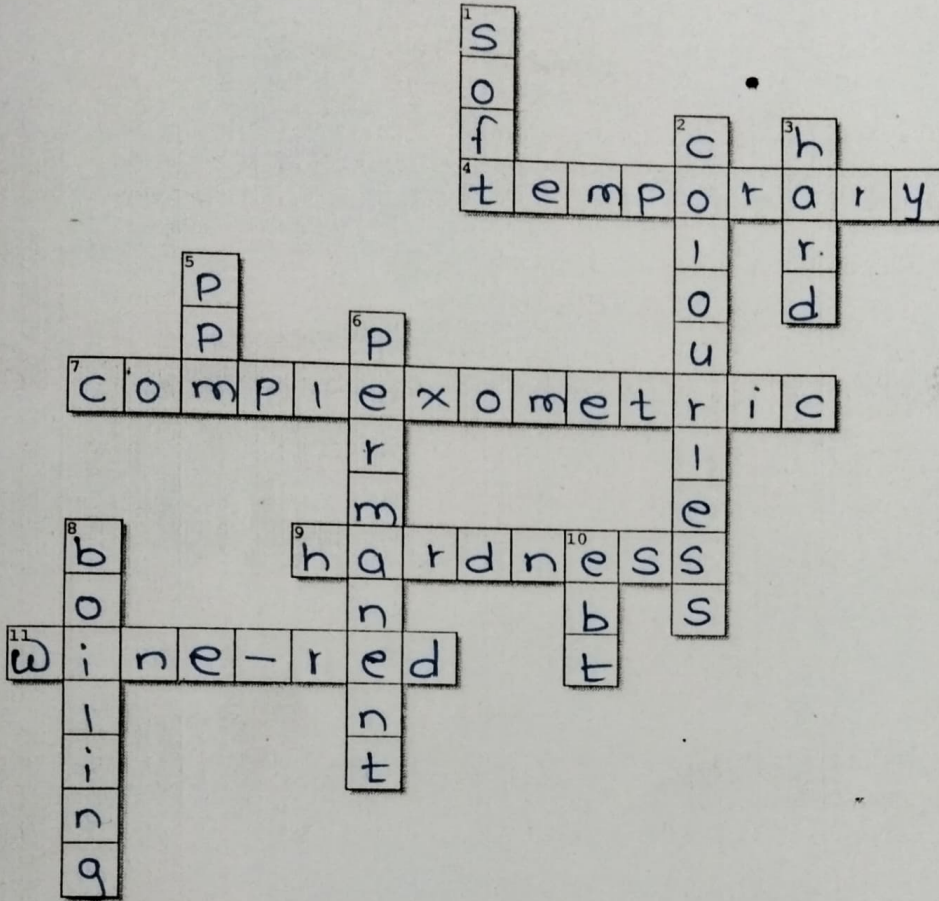
*Babar*

Babar Y.V.

Name: Rajlaxmi.S.Jagdale.

**Crossword Puzzle-Water Treatment**

Complete the crossword puzzle below



Created using the Crossword Maker on TheTeachersCorner.net

**Across**

- 4. Hardness due to Carbonates, bicarbonates?
- 7. type of Titration in EDTA method of determination of hardness of water?
- 9. Soap consuming capacity of water
- 11. Colour of Metal-EBT complex

**Down**

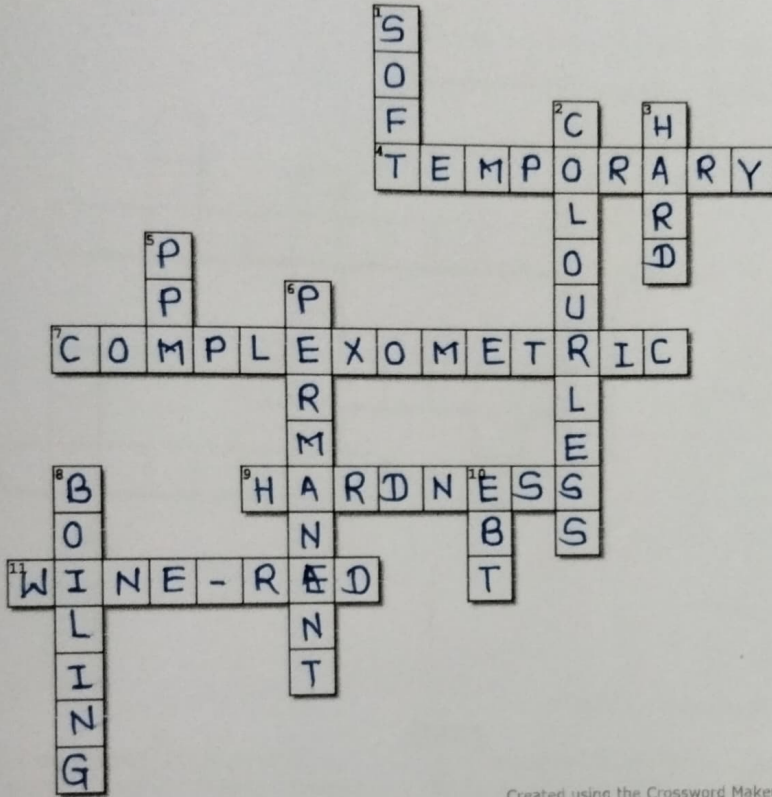
- 1. Which water forms lather with soap
- 2. Colour of Metal-EDTA complex
- 3. Which water does not form lather with soap
- 5. One mg/litre is equal to?
- 6. Hardness due to chlorides, nitrates & sulphates?
- 8. Temporary Hardness is removed by-
- 10. Indicator used in EDTA titration



Name: \_\_\_\_\_

### Crossword Puzzle-Water Treatment

Complete the crossword puzzle below



Created using the Crossword Maker on TheTeachersCorner.net

**Across**

- 4. Hardness due to Carbonates, bicarbonates?
- 7. type of Titration in EDTA method of determination of hardness of water?
- 9. Soap consuming capacity of water
- 11. Colour of Metal-EBT complex

**Down**

- 1. Which water forms lather with soap
- 2. Colour of Metal-EDTA complex
- 3. Which water does not form lather with soap
- 5. One mg/litre is equal to?
- 6. Hardness due to chlorides, nitrates & sulphates?
- 8. Temporary Hardness is removed by-
- 10. Indicator used in EDTA titration

Name - Pratik Gorakh Jadhav  
 Class - FY (E&TC)  
 Subject - Engineering Chemistry  
 Roll No. - FY/E&TC/22-23/22