



Hon. Shri. Babanrao Pachpute Vichardhara Trust's,

group of institutions

College of Engineering

A/P- Kashti, Tal.- Shrigonda, Dist.- Ahmednagar, Pin- 414701,

Examination

NAME : <u>Wakade Anjali Yogesh</u>											Roll No.: <u>51 D'</u>			
YEAR AND CLASS : <u>F.Y. Engineering</u>											Semester			
SUBJECT : <u>Engineering chemistry</u>											Date <u>05/10/23</u>			
SECTION :											Day <u>Thursday</u>			
Main Answer Sheet				No. of Suppliments				Total			Supervisor / Invigilator Signature			
											Student Signature			
Question No.	1	2	3	4	5	6	7	8	9	10	11	12	Total Marks	Examiner Signature
Marks Obtained	<u>09</u>	<u>05</u>											<u>09/15</u>	<u>(Signature)</u>

(Start Writing answer from here)

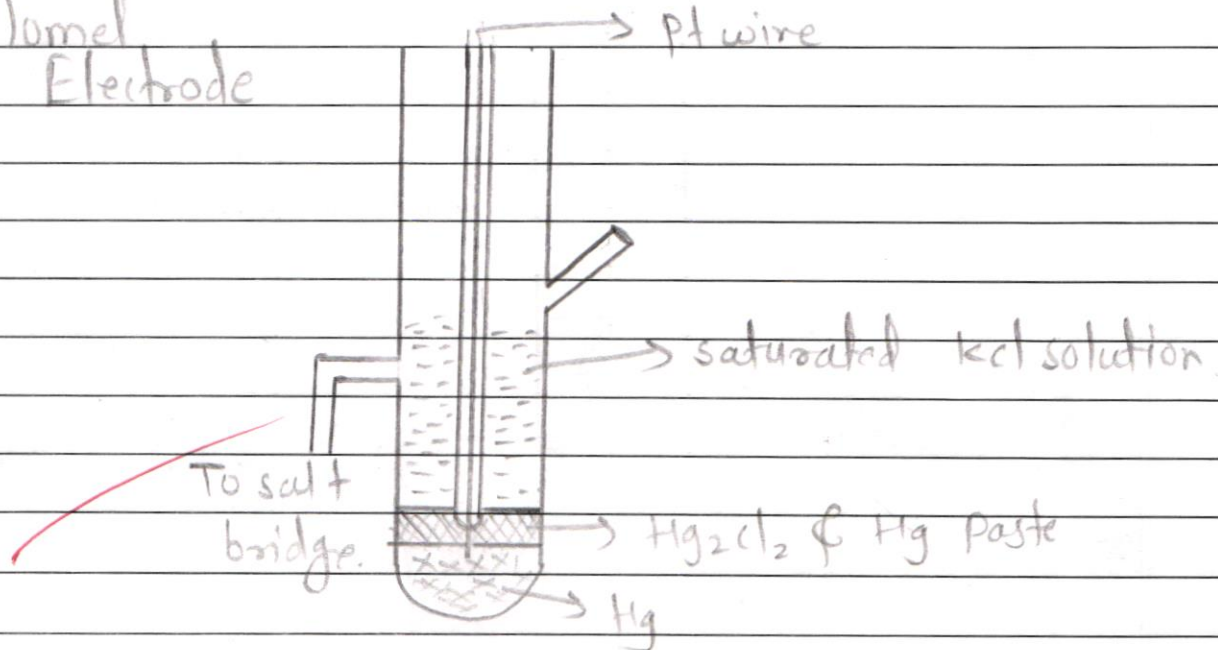
10/15 ✓

Q.1

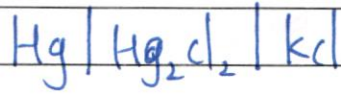
a) Reference Electrode :

The electrode which has stable and reproducible electrode potential.

Calomel Electrode



Representation -



construction -

- i) The calomel electrode is constructed within the glass vessel having bent side tube.
- ii) The Mercury is placed at the bottom of this glass tube & it is covered by Hg_2Cl_2 & Hg paste.
- iii) Remaining cell is filled with the saturated KCl solution.
- iv) The wire is made up of platinum and it is dipped into the layers of mercury.

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Ion selective
Electrode

