



ESTD : 1983

Rayat Shikshan Sanstha's

# **Karmaveer Bhaurao Patil College of Engineering, Satara**

## **Chemistry Laboratory**

### **Do's**

- Follow the safety precautions of lab.
- Switch off the electrical equipment when not in use.
- Before leaving the laboratory, make sure your work area is clean and dry.
- Before leaving the lab, ensure that all gas valves and water taps are completely turned off.
- Switch off the tube lights & fans while leaving the laboratory.

### **Don'ts**

- Use of mobile / any other personal gadget is strictly prohibited.
- Do not operate the equipment without prior permission.
- Do not pipette out hazardous chemicals.
- Do not make noise in the laboratory.

**KB PCOE**







# FIRST AID BOX



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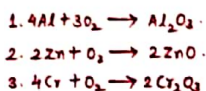
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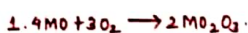
**KB PCOE**

## OXIDE FILM

### • NON-POROUS OXIDE:



### • VOLATILE OXIDE FILM:



-Diksha Menhase Kumbhar  
-Ganesh Kisen Mene (19)  
(FYETC)

## TYPES OF COAL

1. PEAT	2. LIGNITE	3. BITUMINOUS COALS	4. ANTHRACITE COAL
<b>Characteristics</b> It is the lowest rank of coal. It is soft and crumbly. It has a high moisture content. It is used for the production of peat briquettes.	<b>Characteristics</b> It is a rank of coal above peat. It is harder and more brittle than peat. It has a lower moisture content than peat. It is used for the production of lignite briquettes.	<b>Characteristics</b> It is a rank of coal above lignite. It is the most common type of coal. It has a high carbon content. It is used for the production of bituminous briquettes.	<b>Characteristics</b> It is the highest rank of coal. It is the hardest and most brittle type of coal. It has a very high carbon content. It is used for the production of anthracite briquettes.
<b>Use:</b> Used as domestic & industrial fuel & for gas production.	<b>Use:</b> Used for making gasifier or for making power.	<b>TYPES:-</b> 1. Sub-bituminous 2. Bituminous 3. Semi-anthracite	<b>Use:</b> Used as high quality fuel for the iron & steel industry.

BRANCH:-  
Mechanical Engineering [AI]

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Sakshi Uttam Kadam  
Prachi Ravindra Bhamare



