

### **POLITICAL SCIENCE**

1. On what basis are the states classified as Unitary and Federal?
2. What is a Unitary State?
3. Discuss any four feature of Unitary State.
4. Explain any four merits and four demerits of a Unitary State
5. Distinguish between the Unitary form of Government and the Federal form of Government.

### **ENGLISH LITERATURE**

1. Read the text properly.
2. Elaborate on the thoughts of Mrs. Mallard after she enters her room alone, on getting the news of her husband's death.

Do the assignment in your English notebook and it should be completed by 25 th April.

### **ACCOUNTS**

MANAGEMENT ACCOUNTING- Do question 4,5,6,8,9 and 10 of chapter 4 in Accounts notebook.

## Chemistry assignment (XII)

Date 20/4/2020

d and f block elements (part I)

Answer the following :

1. What are transition elements?
2. Why manganese and technetium have abnormally low melting point?
3. Why mercury is soft and liquid in nature?
4. d block elements are good conductors of heat and electricity. Explain.
5. Why conductivity decrease with increase in temperature?
6. Why Zn, Cd and Hg have higher values of ionization enthalpy?
7. Why d block elements show variable oxidation states?
8. Why  $Zn^{+2}$  ions are colourless while  $Ni^{+2}$  ions are green and  $Cu^{+2}$  ions are blue in colour?
9. Transition elements and their compounds generally exhibit paramagnetic behavior. Why?
10. There is an increase in density of elements from titanium ( $Z=22$ ) to copper ( $Z=29$ ) in a 3d series of transition elements. Why?
11. Why transition elements can form a number of alloys?
12. What is an amalgam?
13. What is the reason behind the catalytic activity of transition elements?
14. Why transition elements have unique tendency to form complexes?