**Notice (Science Department)**

It is hereby notified to all the students (**1st, 3rd, 5th semester**) of science department that, Chemistry practical examination will be held on and from 26th February. Students are requested to submit their answer script to the respective e-mail id (skcsciencedept@gmail.com) till 4th March and the hard copy of it, along with lab-notebook must be sent to the college (in the science department) on the same date (**04/03/2022**). Alongside, Physics practical examination will also be held on 4th March in virtual mode. All the students must be present to attend the examination at **12.00 PM**, with respective laboratory notebook.

**Chemistry**

**Chemistry**

**1stSemester**

**DSC-Practical exam-2022**

**(Answer all the questions)**

**FM-15**

1. How can you detect N in an organic compound by Lassign’s test? 5
2. What are a primary and secondary standard solution? Give examples. 3
3. In the titration of Mohr salt with KMnO4 what will be the indicator? 1
4. Write the principle of titration between oxalic acid with KMnO4. 3
5. Write the principle of titration between Fe(II) and K2Cr2O7. 3

**Chemistry**

**3rd Semester**

**DSE-Practical exam-2022**

**(Answer all the question)**

**F.M-15**

1. What is cell constant? Define conductance and conductivity. 2+2+1

2. Draw and explain the conductometric titration curve for a strong acid vs strong base. 5

3.What is back dye test for phenolic -OH group? Write down the chemical reaction. 2$\frac{1}{2}$

4.What is esterification test for acid group? Write down the chemical reaction. 2$\frac{1}{2}$

**Chemistry**

**5th Semester**

**DSE-Practical exam-2022**

**(Answer all the questions)**

 **F.M-15**

1.What is pigment? 2

2.Write down the composition of cement. 3

3.What is the role of gypsum in the cement production. 3

4.Write the composition of dolomite. 2

5. Classify different fertilizer briefly. 5

**Chemistry**

**5th Semester**

**SEC-Practical exam-2022**

**(Answer all the questions) F.M-15**

1. Write down the procedure to calculate the acidity (H2SO4, P2O5, HNO3) for a given sample of

Pesticide. 3+3+3

1. What is Organophosphate, Phosphonate and Thiophosphate fertilizer. 2+2+2