

**UPGRADATION OF FRONT END LCMS/MS WITH FLUORESCENT DETECTOR -1No.****Doc. No: ST/12/Upgradation LCMS-MS /2016-17/41****Application:**

The Detector is for upgradation of existing LCMS, Model: LC20A, Make: Shimadzu, for identifying the compounds of fluorescence source like biomarkers of volatile compounds and pesticides.

**Features:**

- High sensitivity
- Easy Maintenance
- Fast analysis

**Specifications:**

1. Light source : Xenon lamp, 150W
2. Wavelength range : 200 – 900nm
3. Wavelength accuracy :  $\pm 0.2\text{nm}$
4. Wavelength reproducibility :  $\pm 0.2\text{nm}$
5. Sensitivity : 1200 or greater signal – to –noise Ratio for Raman line of Water
6. Cell volume, pressure : 12uL, 2Mpa (approx. 20kgf/cm<sup>2</sup> )
7. Time programming : Excitation / Emission wavelength range, response switching, wavelength scanning, auto zero etc.
8. Suitable Software should be upgraded with existing

**Any additional items required to complete the system to be quoted.**