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***DEPARTMENT****: MBBS*

***MAT NO****: 17/MHS01/102*

***LEVEL****: 100.*

*Chemistry 102 assignment*

***1a) C8H9, C7H7N***

***b) Organic compounds have versatile bonding patterns and are partof all living organisms***.

***c) The ring of homocyclic compounds is made up of carbon atomsonly while the ring of heterocyclic compounds is made up of more thanone kind of atom.***

***2a) Rf of A= distance travelled by A/distance of the solvent front=2.4/12.2= 12/61.***

***Rf of B = distance travelled by B/distance of the solvent front=5.6/12.2 = 28/61.***

***Rf of C = distance travelled by C /distance of the solvent front=8.9/12.2 =89/122.***

***b) A Aldehydes***

***B Alkenes***

***c) For detecting Aldehydes and ketones.***

***d)***

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|  | ***Functional groups*** | ***Examples*** |
| ***a*** | ***-Cl , -F, -Br, I*** | ***CH3CL, C2H5BR*** |
| ***b*** | ***-OH*** | ***CH3OH, C2H5OH*** |
| ***c*** | ***-COH*** | ***CH3COH, C2H5COH*** |
| ***d*** | ***-O*** | ***CH3O, C2H5O*** |
| ***e*** | ***-NH2*** | ***CH3NH2, C2H5NH2*** |
| ***f*** | ***-CONH2*** | ***CH3CONH2,C2H5CONH2*** |
| ***g*** | ***-CO*** | ***CH3CO, C2H5CO*** |