

Std : X Sub: Science

Id No : \_\_\_\_\_ Name : \_\_\_\_\_ Date : \_\_\_\_\_

Chapter : Carbon and its compounds

Topic : **Functional Groups**

I) Match the molecular formula with the correct carbon compound.

CH <sub>3</sub> OH	<input type="checkbox"/>	<input type="checkbox"/>	Propanoic acid
C <sub>2</sub> H <sub>5</sub> COOH	<input type="checkbox"/>	<input type="checkbox"/>	Propane
C <sub>6</sub> H <sub>6</sub>	<input type="checkbox"/>	<input type="checkbox"/>	Methanoic acid
CH <sub>3</sub> CHO	<input type="checkbox"/>	<input type="checkbox"/>	Ethyne
C <sub>4</sub> H <sub>10</sub>	<input type="checkbox"/>	<input type="checkbox"/>	Butane
C <sub>2</sub> H <sub>2</sub>	<input type="checkbox"/>	<input type="checkbox"/>	Benzene
HCOOH	<input type="checkbox"/>	<input type="checkbox"/>	Methanol
C <sub>3</sub> H <sub>8</sub>	<input type="checkbox"/>	<input type="checkbox"/>	Ethanal

II ) Identify the functional group present in the carbon compound and name the compound.

	Functional Group	Compound name
A) CH <sub>3</sub> CH <sub>2</sub> OH	_____	_____
B) CH <sub>3</sub> COCH <sub>3</sub>	_____	_____
C) CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> COOH	_____	_____
D) C <sub>2</sub> H <sub>5</sub> CHO	_____	_____
E) C <sub>2</sub> H <sub>5</sub> CO C <sub>2</sub> H <sub>5</sub>	_____	_____

III) Look at the structures and name the compound

