

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

CARBON AND ITS COMPOUNDS

SESSION -2024-25

CLASS - 10th

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Time : 1 hr

Carbon and its compounds mm:

Q.1 Multiple choice questions :-

(i) Which one of the following is an unsaturated hydrocarbon ?

- (a) Butane (b) propane
(c) Acetylene (d) Decane



(ii) Major Constituent of LPG is :-

- (a) ethene (b) propane
(c) pentane (d) butane

(iii) Buckminster fullerene is an Example of of Carbon.

- (a) An isomer (b) an allotrope
(c) an isotope (d) a functional group



(iv) Butanone is a four carbon compound with the functional group :-

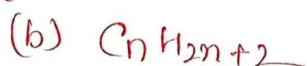
- (a) Alcohol (b) Ketone
(c) aldehyde (d) carboxylic acid.

1.

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Q.1. General formula of alkyne is :-



Q.2. Match the columns :-

(i) Ethane

(a) Allotrope of carbon

(ii) Diamond

(b) Friedrich Wohler

(iii) Urea



(iv) Ethanol

(d) Acetic acid

(v) Ethanoic acid

(e) Alcohol

(vi) Benzene



Q.3. (i) Write only one example of each functional group aldehyde and carboxylic acid

(ii) Draw the Electron dot Structure of ethane.

(iii) Write only one example of each saturated and unsaturated Carbon compound.

(iv) How to use alcohol as a fuel? write.

2.

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Q.4. Define hydrogenation and write its industrial applications.

Q.5. Write the names, formula and structural formula of first four hydrocarbons.



Q.6. Draw the structures of the following:

(i) Ethanoic acid (ii) Bromopentane

Q.7. Write any four differences between soap and detergent.

Q.8. Write the name, formula and structural formula of any four members of alkane homologous series.



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