

[60/A10]

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Sardar Patel University

T. B. Sc. Examination (Semester – V)

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26™	October	2018.	Friday.

Time: 10:00am to 01:00pm

Industrial Chemistry

COURSE: US05CICH03 (PETROLEUM TECHNOLOGY)

Notes: Figures to the right indicate full marks.

Total marks: 70

Q. 1 Answer the following Multiple Choice Questions. (All are compulsory) (10)

- 1. Average percentage of carbon in petroleum is.....
 - A. 15

C. 84-86

B. 30

D. 90-95

- 2. Which of the following treatment used for removal of sulphur from fuels?
 - A. Sulphuric acid
 - B. Dewaxing
 - C. Hydrofining
 - D. Alkali washing
- 3. The highest carbon atom present in the crude oil is.....
 - A. C₉₀

C. C₇₅

B. C75

D. C₈₀

- 4. Chloroform is prepared by chlorination of.....
 - A. CH₄

 $C. C_2H_2$

B. C₂H₆

- 5. The raw material for vinyl acetate is.....
 - A. Acetylene / Acetic
 - B. Propane / Acetic acid
 - C. Methane / Acetic acid
 - D. Butane / Acetylene acetate
- 6. Ethylene glycol is prepared from oxidation and hydration of
 - A. Ethylene

C. Acetylene

B. Propylene

D. Methane

- 7. The catalyst used in manufacture of HCN is
 - A. Aş

C. Au

B. Pt

D. Cu

- 8.is used in manufacture for unsaturated Polyester manufacture.
 - A. Maleic anhydride
 - B. HCN
 - C. CS₂
 - D. H₂O₂
- 9. Hydration of acetylene on industrial scale uses the catalyst.....
 - A. H₂SO₄

C. PdCl₂

B. V₂O₅

D. Cd/Pt

10. Ethanol is manufactured on industrial scale by hydration of

A. Propylene

C. Acetylene

B. Ethylene

D. Butane.

(I)

(PTO)

(20)