

Petroleum Refining Engineering MCQ Questions & Answers Pdf

1. Which is the most effective catalyst used in catalytic cracking of petroleum products?
 - a. iron oxide
 - b. nickel
 - c. vanadium pentoxide
 - d. zeolite

Ans: D
2. High aniline point of a petrofuel indicates that
 - a. it is highly aromatic in nature
 - b. it is highly paraffinic in nature
 - c. it has a very low diesel index
 - d. its ignition quality is very poor

Ans: B
3. Pour point and freezing point is equal for
 - a. Petrol
 - b. Diesel
 - c. Water
 - d. Crude petroleum

Ans: C
4. Hydrotreating is used for
 - a. removal of water from crude oil
 - b. treatment of crude oil with water
 - c. improving octane number of gasoline
 - d. removal of sulphur and nitrogen from petroleum fractions

Ans: D
5. Dry natural gas contains mainly
 - a. Methane
 - b. Ethane
 - c. Propane
 - d. Butane

Ans: A
6. Tetra ethyl lead is added in gasoline to
 - a. increases its smoke point
 - b. reduce gum formation
 - c. reduce the pour point
 - d. increases its octane number

Ans: D
7. Visbreaking
 - a. Uses natural gas as feed
 - b. Is carried out at atmospheric pressure
 - c. Produces fuel oil of lower viscosity
 - d. Produces gasoline only

Ans: C

8. Which of the following is the most important property of a jet fuel?
- cloud point
 - pour point
 - colour
 - freezing point

Ans: D

9. Which one of the following processes aims at producing higher yield of gaseous unsaturated hydrocarbons and aromatics like benzene and toluene?
- reforming
 - pyrolysis
 - alkylation
 - hydrocracking

Ans: B

10. Phenols are added in gasoline to
- Improve the octane number
 - Act as an antioxidant
 - Reduce its viscosity
 - Increase its pour point

Ans: C

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