

1. The slow process of conversion of dead vegetation into coal is called
(A) Carbonization (B) Nitration (C) Distillation (D) Crystallization
2. Carbonization is _____ process
(A) Aerobic (B) Anaerobic (C) Mechanical (D) Pyrochemical
3. Aromatic compounds like Benzen, Toluene, Xylene, Naphthalene Anthracene are obtained from
(A) Coke (B) Residue Oil (C) Coal tar (D) Crude Oil
4. A component "X" obtained from destructive distillation of coal is used in Metallurgy and steel manufacture. "X" is
(A) Coal gas (B) Coke (C) Coal tar (D) Ammonical liquor
5. Composition of "Syn gas" is a _____
(A) $\text{CO}_2 + \text{O}_2$ (B) $\text{CO} + \text{O}_2$ (C) $\text{CO}_2 + \text{N}_2$ (D) $\text{CO} + \text{H}_2$
6. Nirtogenous fertilizer can be manufactured from
(A) Coke (B) Coal tar (C) Coal gas (D) Ammonical liquor
7. Which of the following is correct statement about petroleum?
(i) It is a Fossil fuel (ii) Transparent vicous liquid with foul smell
(iii) Process of formation is called Carbonization (iv) It is anon renewable source of energy
(A) i, ii, iii (B) ii, iv (C) i, iii, iv (D) i, iv
8. Identify the substance which is not a Petrochemical
(A) Petrol (B) Diesel (C) Benzene (D) Lubrication Oil
9. Less polluting fossil fuel is
(A) Natural gas (B) Biogas (C) Hydrogen gas (D) Coal gas
10. The element present in maximum percentage in coal is
(A) Oxygen (B) Carbon (C) Sulphur (D) Nitrogen
11. The process of separation of different petrochemical from petroleum is called
(A) Cleaning (B) Bleaching (C) Refining (D) Transforming
12. A chemical compound "X" is a colourless gas with characteristic smell used in LPG to detect its leakage. "X" is
(A) Methyl mercaptane (B) Methyl alcohol (C) Ethyl alcohol (D) Ethyl Mercaptane
13. A mixture of gases obtained as the first fraction in petroleum refining is
(A) Coal gas (B) Biogas (C) Natural gas (D) Petroleum gas
14. Consider the following statements
(i) Coke is 100% Carbon
(ii) Coal tar is used as reducing agent during smelting of iron
(iii) Coke is added with pure iron to manufacture steel
(iv) Coal tar is mixture of number of aromatic compounds
Correct statements are
(A) Only ii (B) i, ii, iii (C) ii, iii (D) i, iii, iv

15. Petroleum gas is liquefied by
 (A) Decreasing temperature Increasing pressure
 (B) Decreasing temperature Decreasing pressure
 (C) Increasing temperature Increasing pressure
 (D) Increasing temperature Decreasing pressure
16. The petrochemical having highest Boiling point is
 (A) Petrol (B) Lubricating oil (C) Kerosene (D) Diesel
17. Paraffin Wax is used for manufacture of
 (A) Candle's (B) Ointments (C) Petroleum jelly (D) All of these
18. The fraction of petroleum used for Road surfacing is
 (A) Asphalt (B) Lubricating oil (C) Paraffin wax (D) Bituminous
19. Which of the following is termed as "Black gold"?
 (A) Coke (B) Coal (C) Crude Oil (D) Coal tar
20. Incorrect statements are
 (i) Petrochemicals are obtained by destructive distillation of Rock Oil
 (ii) Fractional distillation is used to separate different compounds of Coal tar
 (iii) Paraffin Wax, Lubricating oil and Bitumen are obtained by fractional distillation of Residue oil
 (iv) Coal gas is one of the products during pyrolysis of coke
 (A) i, iv (B) ii, iii (C) i, iii (D) ii, iv

21.

(I)	(II)
P – Petroleum gas	A – Heavy Vehicles fuel
Q – Petrol	B- Motor fuel
R – Kerosene	C – Jet Aircraft fuel
S – Diesel	D – Lubrication
T – Lubricating Oil	E – Domestic fuel

22.

(I)	(II)
i – Petrochemical	P – Coal
ii – Benzene	Q – Butane
iii – CNG	R – Methane
iv – LPG	S – Coal tar
v – Coke	T – Candle wax