

## Untitled Section

Following component is NOT used in Refrigerator

1 point

- ☐ Evaporator
- ☐ Compressor
- ☒ Turbine
- ☐ Condenser

Clear selection

Reverse osmosis is a type of

1 point

- ☒ dead-end filtration system
- ☐ ion exchange method
- ☐ micro filtration
- ☐ cross flow filtration system

Clear selection

Septic tank is

1 point

- ☐ an aerobic attached growth treatment system.
- ☐ an aerobic suspended growth biological treatment system.
- ☒ an anaerobic attached growth biological treatment system.
- ☐ an anaerobic suspended growth treatment system.

Clear selection

The sound pressure is measure in terms of

1 point

- ☐ Joule
- ☒ Pascle
- ☐ Decibel
- ☐ Sound

Clear selection

The size of BOD bottle used in laboratory is

1 point

- ☐ 200 ml
- ☒ 300 ml
- ☐ 400 ml
- ☐ 500 ml

Clear selection

Materials like leaves, papers, rags, and other debris can be removed during....

1 point

- ☒ screening
- ☐ sedimentation
- ☐ disinfection
- ☐ coagulation

Clear selection

Indicated power is:

1 point

- ☒ BP+FP
- ☐ FP-BP
- ☐ BP-FP
- ☐ BP+FP/FP

Clear selection

High-level radioactive waste can be managed in which of the following ways?

1 point

- ☐ Composting
- ☐ Incineration
- ☐ Neutralization
- ☒ Store indefinitely

Clear selection

Which of the following is a secondary air pollutant?

1 point

- ☐ Carbon monoxide
- ☒ Ozone
- ☐ Carbon dioxide
- ☐ Sulphur dioxide

Clear selection

The international protocol to protect the ozone layer is the

1 point

- ☒ Montreal Protocol
- ☐ Kyoto Protocol
- ☐ Vienna Protocol
- ☐ Cartagena Protocol

Clear selection

In a refrigeration system, the expansion device is connected between the 1 point

- ☐ Compressor and condenser
- ☐ Condenser and receiver
- ☒ Receiver and evaporator
- ☐ Evaporator and compressor

Clear selection

Brake thermal efficiency, Mechanical efficiency and Volumetric efficiency is in the range of 1 point

- ☐ Upto 35%, 80%, >90%
- ☐ More than 50%, 20%, <10%
- ☐ Upto 95%, upto 35%, 15%
- ☒ None of the above

Clear selection

Activated sludge process is

1 point

- ☐ an aerobic attached growth treatment system.
- ☒ an aerobic suspended growth biological treatment system.
- ☐ an anaerobic attached growth biological treatment system.
- ☐ an anaerobic suspended growth treatment system.

Clear selection

Morse test can be conducted for

1 point

- ☐ Petrol Engines
- ☐ Diesel Engines
- ☒ Multi-cylinder engines
- ☐ All of these

Clear selection

Cloud and Pour point, Calorific value and viscosity of the fuel is measured by following instruments respectively 1 point

- ☒ Cleveland, Bomb Calorimeter, Redwood
- ☐ Tachometer, Anemometer, Redwood
- ☐ Redwood, Cleveland, Bomb Calorimeter
- ☐ Manometer, Venturimeter, Tachometer

Clear selection



In EIA category A project require environmental clearance from

1 point

- ☐ state expert appraisal committee
- ☐ state environmental impact assessment authority
- ☒ expert appraisal committee of MOEF
- ☐ none

Clear selection

Which are the thermodynamics cycle used for refrigeration and petrol engines?

1 point

- ☐ Rankine and Carnot
- ☐ VCR and Otto Cycle
- ☒ Brayton and Otto
- ☐ Otto and Diesel

Clear selection

The amount of oxygen consumed by the aerobic bacteria which cause the aerobic biological decomposition of sewage is 1 point

- ☒ biochemical oxygen demand ( BOD)
- ☐ Chemical oxygen demand (COD)
- ☐ Total oxygen demand (TOD)
- ☐ None of the above

Clear selection

As per the supreme court judgement 2020 new automobile shall have which emission standard 1 point

- ☒ BHARAT STAGE 4
- ☐ BHARAT STAGE 5
- ☐ BHARAT STAGE 6
- ☐ BHARAT STAGE 7

Clear selection

The negative intercept of Willan's line method is

1 point

- ☐ Indicated Power
- ☒ Frictional Power
- ☐ Brake Power
- ☐ None of the above

Clear selection

What will be the settling velocity of a particle in a settling tank which has discharge as  $Q$ , length as  $L$ , width as  $B$ , and depth as  $D$  ?

1 point

- ☐  $Q/(B \cdot D)$
- ☐  $Q/(L \cdot D)$
- ☐  $Q/L$
- ☒  $Q/(B \cdot L)$

Clear selection

When the solid waste consists of large amounts of organic matter and if the moisture content is high, which of the methods of treatment will be ideal?

1 point

- ☐ Incineration
- ☐ Palletizing
- ☒ Composting
- ☐ Recycle

Clear selection

Which of the following devices is suitable for the removal of gaseous pollutants?

1 point

- ☐ Cyclone separator
- ☒ Electrostatic precipitator
- ☐ Fabric filter
- ☐ Wet collector

Clear selection

Depletion of ozone layer in the outer atmosphere may cause

1 point

- ☐ Bronchitis
- ☒ Skin cancer
- ☐ Heart disorder
- ☐ Lung Cancer

Clear selection

Domestic refrigerator working on vapor compression cycle uses the following type of expansion device

1 point

- ☐ Electrically operated throttling valve
- ☐ Manually operated valve
- ☐ Thermostatic valve
- ☒ Capillary tube

Clear selection