

ATLAS COPCO - 2004 MAY 21 CHENNAI

Hygrometry deals with (ans moisture content in air)

1 kg-m = 9.81 J

Relation between gauge, abs atm pressures

Work-study deals with

Time study deals with

Expand MIS-Management Information System

CPM and PERT deals with (ans Determining the status of the project)

To avoid cavitation in a centrifugal pump

Inlet pressure should be high(ans)

Discharge pressure should be high

Expand NTP-(Normal temperature and press)

Dalton's law of pressure

(Total pressure equals sum of partial pressures)

As per Avogadro's hypothesis

(Molecular wt of all gases occupy the same volume under same conditions of temp and pressure)

Use of intercooler-(to reduce work input)

Use of after cooler-(to reduce volume of receiver)

water hammer occurs (due to sudden obstruction in flow)

ABC analysis deals with

Main objective behind plant layout is

to avoid back tracking

To minimize the space occupied

Efficiency of diesel engine as compared to petrol engine under same rated load (high)

Which of the following is not present in a CI engine

Fuel injector

Carburetor (ans)

Fuel pump

Which of the following is not present in a SI engine

Spark plug

Carburetor

Fuel injector(ans)

pour point is (min temp at which a liquid flows at set condition)

Zerth law of thermodynamics

In value engg "value" means-----

second law of thermodynamics deals with (ans: entropy)

Mach no deals with-----

Output=9kW, Input=30kW, Efficiency=? (Ans: 30%)

Overall heat transfer co-eff Present in

Conduction

Convection

Conduction and

convection All modes of

heat transfer. Orifice

Definition

a. provision for flow of liquid with regulation

Break even point (ans: no profit and no loss)

If a block of ice floating in a tub of water and gets melted then what will be the level of water a falls down b rises ,c remains the same

Compressed air coming out of a punctured football

Remains at the same temperature

Becomes hotter

Becomes cooler

Heat transfer takes place as per

Second law

First law

Zerth law

Choking in compressor means

a. fixed mass flow rate independent of the pressure ratio (ans)

Formation of frost in refrigerator

Can be prevented if design is proper

Heat transfer becomes more'

Heat loss

Immaterial (ans)

Supercharging is the process of (increasing the density of the inlet charge)

How will you find the unburnt mixture in exhaust gas

Analyzing CO

Analyzing Oxygen

Compression ratio is the ratio of

Delivery pr to inlet pr.

Inlet pr to delivery pr.

Stroke volume to clearance volume

To reduce moisture troubles the compressor main should be

Vertical

Horizonta

l Slanting

Critical activity is

Zero float

High float

Low float

Cash discounts is based on

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