



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109


DEPARTMENT OF MECHANICAL ENGINEERING


Date: 28th Oct 2019

Quiz Competition

The class was divided in to 3 Batches –A, B and C. Each batch has to prepare the questions from the topics learnt in EME in such a way that other team students should not be able to answer the questions. Each team was given 10-20 min for writing the questions and this was team work and all were involved in brain storming, finally each team came up with 15-20 questions. One of the student by name Banuvenkat was assigned to do the task of Quiz master. Student enjoyed and at a same time they learnt the topic in deeper. At the end, team A won the competition.

Enclosed: Quiz questions


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- QUTs
- 1) What are the types of substances for solar energy?
 - 2) Viscosity of refrigerant for both liquid and vapour must be very high. (Just to say)
 - 3) What is the refrigerant gas state when coming from pump to generator in VAR?
 - 4) In split AC, where is the hot air placed?
 - 5) What is the value of L TOR of refrigeration.
 - 6) Why noise & vibration are less in SI engine?
 - 7) Which is the part present in hydroelectric power plant which increase the potential energy?
 - 8) What is the other name for steam stock wall?
 - 9) Which refrigerant is used in small scale refrigerator?
 - 10) What is stroke volume?
 - 11) What is the lining used in solar panel?

- 12) What is horse power.
- 13) Where does the pressure drop in reaction turbine.
- 14) What is called as propeller turbine.
- 15) What is the 2nd zone in solar pond.
- 16) Name the accessory to pre heat water in boilers?
- 17) Which is the casing metal used in centrifugal pump?

Mechanical

Team-3

Twist related to subject.

- 1) The percentage of Carbon in Petrol/Oil.
- 2) Equation of First law of thermodynamics.
- 3) Name one location where Pelton wheel is installed.
- 4) Which is speediest among 4s & 2s.
- 5) S.I unit of piston speed.
- 6) What is the formula for compression ratio.
- 7) If the 2-s petrol engine takes 1 minute to complete 10 revolution, then what is the time required to complete 10 revolution in 4 stroke pe.
- 8) What is the boiling temperature of NH_3
 - a) $-33.3^\circ C$
 - b) $+70^\circ C$
 - c) $+33.3^\circ C$
 - d) $-70^\circ C$
- 9) The maximum speed of 2-s engine.
- 10) Which fuel is used in nuclear power plant.
- 11) 1 Ton of refrigeration = kJ/min or kW.

- 12 The commonly used safety valves.
- 13 Why all Tyres are black in colour.
- 14 Name the fuelins used in hydroal power plant.
- 15 The functions of fusible plug.