

AIR CONDITIONING AND REFRIGERATION

Test your knowledge on air conditioning and refrigeration through this quiz with ten multiple choice questions.

Name: _____

Organization: _____

Date: _____

1. One ton of refrigeration (TR) is equal to

- a. 3023 kCal
- b. 3.52 kW
- c. 12000 BTU/hr
- d. All of the above

2. The driving force for refrigeration in vapour absorption refrigeration plants is

- a. Mechanical energy
- b. Thermal energy
- c. Electrical energy
- d. All of the above

3. The essential parameters to estimate cooling load from air side across an air handling unit (AHU) or a fan coil unit (FCU) are

- a. Flow rate
- b. Dry bulb temperature
- c. RH% or wet bulb temperature
- d. All of the above

4. Higher COP can be achieved with

- a. Lower evaporator temperature and higher condenser temperature
- b. Higher evaporator temperature and Lower condenser temperature
- c. Higher evaporator temperature and higher condenser temperature
- d. Lower evaporator temperature and Lower condenser temperature

Test your knowledge: Air Conditioning and Refrigeration

| ANSWERS | | | | |
|----------------|------|------|------|-------|
| 1. d | 2. b | 3. d | 4. b | 5. c |
| 6. c | 7. b | 8. a | 9. d | 10. b |