Module 12 : AIR-CONDITIONING SYSTEM

Nam	e:	Date:		
Part A: Multiple choice question (MCQ)				
1)	What is the purpose of condenser?(a) to compress the Freon gas.(b) to change liquid to gas.(c) to remove heat(d) to remove power	6)	What is the formula for calculating power from a cooling capacity value? (A) $P = BTU \div 3.413$ (B) $P = V + BTU$ (C) $P = BTU \div (V \times I)$ (D) $P = V \times I \times BTU$	
2)	 What is the condition of refrigerant when it passes through condenser coil? (a) it changes from gas to gas (b) it changes from gas to liquid (c) it changes from liquid to gas (d) no changes 	7)	Centrifugal compressor is used for (a) small factory (b) large buildings (c) residential (d) shop lot unit	
3)	 What is BTU representing? (a) Britain Thermometer unit (b) British Thermal Unit (c) British Term Unit (d) Better Temperature Unit 	8)	 What is the protection rating to be used for air-conditioner unit according to local regulation? (a) 6 A or 10 A MCB (b) 16 A or 20 A MCB (c) 10 A or 32 A MCB (d) 32 A or 40 A MCB 	
4)	 "This function to control the flow refrigerant and change from hot pressure to low pressure." This refer to (a) expansion valve (b) compressor (c) condenser (d) control valve 	9)	What is another name for expansion valve? (a) cooling device (b) metering device (c) power device (d) control device	
5)	The following are the Freon agents, except. (a) Chlorofluorocarbon (CFC) (b) Hydrogenated CFC (HCFC) (c) Hydrofluorocarbon (HFC) (d) Hydrogen	10)	Which of the following gas is been replaced with R410A? (a) R-32 (b) R-134 (c) R-22 (d) R-11	

11)	R134A is a new Freon gas for which application?(a) automotive(b) residential(c) office building(d) factory building	16)	What is the color of R410 canister? (a) blue (b) green (c) magenta (d) yellow
12)	Evaporator is also known as. (a) cooling coil (b) meter unit (c) fan coil unit (d) expansion valve	17)	What is the problem when expansion valve starts to freeze with ice? (a) condenser is leaking (b) blocked (c) too hot (d) Freon gas is depleted
13)	 What is the function of single phase fan at compressor side? (a) to increase current flow (b) to remove heat (c) to cool down the compressor (d) to increase pressure 	18)	What does system 1:2 means? (a) 2 compressor with 2 fan coil unit (b) 2 compressor with 1 fan coil unit (c) 1 compressor with 1 fan coil unit (d) 1 compressor with 2 fan coil unit
14)	List below are the types of air flow distribution system, except. (a) ducting system (b) air handling unit (c) chill water system (d) chain drive system	19)	For industrial application, the types of air- conditioner unit are listed below, except. (a) central air-conditioner unit (b) chiller unit (c) automobile (d) cooling tower system
15)	This process is to compress the refrigerant from low pressure to high pressure. The statement above refers to. (a) condenser coil (b) evaporator coil (c) expansion valve (d) compressor unit	20)	Office building are commonly installed with this type of air-conditioning system. (a) water system (b) ceiling fan (c) air curtain (d) chiller unit

Part B: Subjective Question

1) List out the four(4) types of compressor you know.



2)

