CD	Dall	No
3.B.	ROII	NO

REFRIGERATION AND AIR CONDITIONING EQUIPMENT 5th/RAC/0654/5415/May'16

Duration: 3 Hrs M. Marks=75

Note: SECTION A is compulsory.

SECTION A

SECTION B

Q.2 Attempt any FIVE questions.

5x6=30

- **a.** Discuss the desirable properties of ideal insulating materials.
- **b.** Explain working of rotary compressor.
- **c.** What are natural and forced cooling evaporators?
- **d.** What are advantages of water cooled condensers over air cooled condensers?
- **e.** What are the factors to be considered for choosing refrigeration piping?
- f. What is fan rating?
- g. What are low temp and high temp switches?
- h. What are the methods and equipments used for measurement of humidity?

SECTION C

Q.3 Attempt any THREE questions.

3x10=30

- a. Explain with sketch the working of Hermetically Sealed compressor
- **b.** Write a note on cooling towers and spray ponds.
- **c.** Explain construction and working of different types of evaporators.
- **d.** Explain working of solar refrigeration system
- **e.** Explain thermometers, thermocouples, thermistor, pyrometers used for temperature measurement in refrigeration.
- **f.** Explain fouling phenomenon in condensers. How this factor is responsible for proper operation of a condenser.