

- Q.12 What are soldering defects? Describe the remedies for any two soldering defects.
- Q.13 What is megger? Write the use of megger meter.
- Q.14 What is metal-sheathed wiring? Write its two advantages and disadvantages.
- Q.15 What is the electrical wiring? Write the various factors, which affect the selection of wiring.
- Q.16 Write the general wiring condition as per IE rules for the " Domestic heating and cooking appliances".
- Q.17 What are the different types of earthing? Explain any two.
- Q.18 Write the name of various faults, which may occur in earthing. Write the causes and remedies for any two faults.

SECTION-C

- Note:** Long answer questions. Attempt any one questions out of two questions. (1x10=10)
- Q.19 Write in detail about construction and working principle of moving coil voltmeter.
- Q.20 What are the concepts of household wiring and explain?

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Roll No.

DVOC (Level 4)
1st Sem. / Trade: Refrigeration and
Air Conditioning
Subject : Engineering Science

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions.
 (10x1=10)

- Q.1 Define Soldering
- Q.2 What is Flux
- Q.3 What is ammeter?
- Q.4 What do you understand by induction?
- Q.5 Draw the graphical symbol for the two -pole switch.
- Q.6 Draw the graphical symbol for wattmeter.
- Q.7 What is capping?
- Q.8 What is the importance of fuse?
- Q.9 Why earthing is important for wiring system?
- Q.10 What is pipe earthing?

SECTION-B

- Note:** Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)
- Q.11 Write the characteristics of a good brazing joint.