

## **SECTION-B**

**Note:** Short answer type questions. Attempt any six questions out of Eight questions.  $(6 \times 5 = 30)$

- Q.11 Write the characteristics of a good brazing joint.
- Q.12 Write the name of various faults, which may occur in soldering. Write the causes and remedies for any two faults.
- Q.13 What is megger? Write the use of megger meter.
- Q.14 Write the various factors, which affect the selection of wiring.
- Q.15 Write in brief about concealed wiring
- Q.16 Write the general wiring condition as per IE rules for "A.C. Motor Installation".
- Q.17 What is plate earthing? Write its application.
- Q.18 Explain various factors of selection for a particular wiring system.

## **SECTION-C**

**Note:** Long answer type questions. Attempt any one questions out of two questions.  $(10 \times 1 = 10)$

- Q.19 What are the basic concepts of household wiring and explain?
- Q.20 Write in detail about construction and working principle of dynamometer type wattmeter.

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**DVOC (Level-4) Semester-I/Trade- DVOC  
(Ref. & Air Cond., Medical Imaging Tech.,  
Auto. Servicing, ITM, PT, AMT, EMS)  
Subject : Engineering Science**

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

**Note:** Very short answer questions. Attempt all ten questions.  $(10 \times 1 = 10)$

- Q.1 Define Soldering
- Q.2 What is the use of flux?
- Q.3 Tell one application of concealed wiring.
- Q.4 What do you understand by induction?
- Q.5 Draw the graphical symbol for circuit breaker.
- Q.6 Tell the prime function of earthing of wiring system.
- Q.7 What is capping?
- Q.8 Write the name of different types of wiring.
- Q.9 Draw symbol of wattmeter.
- Q.10 What is pipe earthing?