

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Explain advantages and disadvantages of soldering. (CO1)
- Q.12 Compare single sided and double sided PCB. (CO1)
- Q.13 Explain plate earthing procedure in details. (CO5)
- Q.14 Describe the working principle of voltmeter. (CO2)
- Q.15 Explain CTS wiring procedure in details. (CO4)
- Q.16 Draw the wiring diagram of one socket, one bulb and one fan controlled by different switches. (CO4)
- Q.17 Explain different factors for selection of a earthing system. (CO5)
- Q.18 Explain advantages and disadvantages of brazing. (CO1)

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Explain different types of wiring used in brief. (CO4)
- Q.20 Explain construction and working of moving coil instruments. (CO2)

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Roll No.

1st Sem, Level 4 / 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 questions. Attempt all ten questions. (10x1=10)

- Q.1 Draw the symbol of circuit breaker. (CO3)
- Q.2 Write two tools that are use in soldering. (CO1)
- Q.3 What is plate earthing? (CO5)
- Q.4 What is wet etching? (CO1)
- Q.5 Draw the symbol of voltmeter. (CO3)
- Q.6 Define soldering. (CO1)
- Q.7 What is ohmmeter? (CO2)
- Q.8 What is fuse? (CO4)
- Q.9 Why the switch is used? (CO4)
- Q.10 Name different types of earthing. (CO5)

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