

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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**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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