

No. of Printed Pages : 2

Roll No.

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SECTION-B

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

DVOC (Level 3)

2nd Sem.

Subject : Basic Electronics

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

Q.1 Expand CMOS

Q.2 Draw symbol of NPN transistor.

Q.3 What is Depletion layer ?

Q.4 What is forward biasing of a diode?

Q.5 What is Electric field?

Q.6 What is atom?

Q.7 What is Ohm's Law?

Q.8 What are Cells and Batteries?

Q.9 Write is N-Type Semiconductor.

Q.10 What is Zener Diode?

Q.11 Explain operation of PNP transistor.

Q.12 Explain working of single stage Amplifiers?

Q.13 What is clamping and explain types of Clampers?

Q.14 Explain photo electric emission.

Q.15 Explain V-I characteristics of diode and symbol of voltage and current sources.

Q.16 Give overview of CRO and applications of CRO.

Q.17 Define Potential, Energy, Current, Magnetic field & Force.

Q.18 Write a brief note on DIAC and TRIAC.

SECTION-C

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

Q.19 Explain Diode as Full wave and Half Wave rectifiers.

Q.20 Explain CB, CC and CE, configuration.

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