



K17U 0126

Reg. No. :

Name :

VI Semester B.Sc. Degree (CCSS – Supple./Improv.)

Examination, May 2017

CORE COURSE IN PHYSICS

6B14 PHY : Digital Electronics

(2009 – 2013 Admns.)

Time : 3 Hours

Weightage : 30

SECTION – A

Answer **all** questions. **Each** bunch carries a wt of 1.

1. 1) The decimal equivalent of octal 120 is
a) 60 b) 80 c) 100 d) 90
- 2) The hexa decimal equivalent of decimal 205 is
a) 2F b) CA c) CD d) DE
- 3) The 2's complement of 10011 is
a) 01100 b) 01101 c) 01011 d) 01110
- 4) The ASCII code for the character A is
a) 4A b) 41 c) 31 d) 30
2. 1) Adding 1010 with 1111 gives
a) 11001 b) 10011 c) 11101 d) 10001
- 2) $A + AB = A$ is called _____ law in Boolean algebra.
a) distributive b) commutative
c) absorption d) none of these
- 3) For amplitude modulation, the frequency of carrier wave is
a) Greater than signal frequency
b) Less than signal frequency
c) Equal to the signal frequency
d) Half of the signal frequency

P.T.O.

