

**Avinashilingam Institute for Home Science and Higher Education for Women  
Coimbatore-641 043**

**Bachelor's Degree Examination – November 2017  
I Semester**

**Class : I UG  
Major : Computer Science/  
Computer Applications**

**Time: 3 hours  
Max. Marks: 100**

**15BCSC01/15BCAC01 Digital Computer Fundamentals**

**Part-A**

**10 x 1=10**

**Choose the correct answer**

- 1) Convert the hexadecimal code 9 to binary -----  
a) 1001                      b) 0111                      c) 0011                      d) 0001
- 2) Advanced types of programming languages are called-----  
a) High level language                      b) Assembly languages  
c) Low level language                      d) Primary level language
- 3) NOR gate-----  
a) AND and OR                      b) NOT and OR                      c) OR and NAND                      d) AND and NAND
- 4) According to De Morgan's theorems  $(\bar{x}+y)$  \_\_\_\_\_  
a)  $\bar{x}.\bar{y}$                       b)  $\bar{x}+y$                       c)  $\bar{x}.y$                       d)  $x.\bar{y}$
- 5) The flip flop has \_\_\_\_\_ output signals  
a) One                      b) Two                      c) Three                      d) Four
- 6) TTL expansion \_\_\_\_\_  
a) Transistor technique logic                      b) Transistor Transmitter logic  
c) Transistor technology logic                      d) Transistor logic
- 7) A \_\_\_\_\_ operation moves each bit of information stored in a register to the left by some specified number of digits.  
a) Shift\_left                      b) Shift\_right                      c) Shift\_down                      d) Shift\_up
- 8) The function of a \_\_\_\_\_ is to select from several inputs a single input.  
a) Logical add                      b) Logical multiply                      c) Multiplexer                      d) Demultiplexer
- 9) RAM is \_\_\_\_\_ memory.  
a) Volatile                      b) Non volatile                      c) Static                      d) Dynamic
- 10) Which one of the following holds large data?  
a) Floppy                      b) Hard disk                      c) Magnetic tape                      d) RAM

