# REVA UNIVERSITY

## PhD Entrance Examination Model Question Paper-2014

### ELECTRONICS AND COMMUNICATION ENGINEERING

**Duration: 2.00 Hours**                                    **Total Marks = 100**

**Note:**

1) The question paper is in **TWO** parts, viz: Part-I and Part-II;

2) **Part-I** consists 50 questions of objective type carrying 1 mark each (50 x 1 = 50 marks)

3) **Part-II** consists of 25 questions of objective type carrying 2 marks each (25 x 2 = 50 marks)

4) All questions are compulsory.

**PART-I**                                                   **(50x 1 = 50)**

1. 8051 can handle _____ interrupt sources.

   A) 3            B) 4            C) 5            D) 6

2. By operating system, the resource management can be done via

   A) Time division multiplexing  B) Space division multiplexing
   C) Both (a) and (b)            D) None of the above

**PART-II**                                                  **(25 x 2 = 50)**

What will be the contents of register AL after the following has been executed

        MOV BL, 8C
        MOV AL, 7E
        ADD AL, BL

   A) 0A and carry flag is set        B) 0A and carry flag is reset
   C) 6A and carry flag is set        D) 6A and carry flag is reset

2. A digital communication system uses 8-PSK modulation and transmits 3600 bps. What is? the symbol rate?

   A) 10800 symbols/sec        B) 450 symbols/sec
   C) 28800 symbols/sec        D) 1200 symbols/sec