# GOVT. V.Y.T. P.G. AUTONOMOUS COLLEGE, DURG
## ASSIGNMENT QUESTION (2024)
### CLASS-BCOM(CA) IV SEMESTER(DSSEC)
### COURSE CODE – BCS-403(L)
## DIGITAL ELECTRONICS AND MICROPROCESSOR

**Max.Marks: 15**

**Note:** Section 'A' & 'B' containing 1 very short-answer-type questions, is compulsory. Section 'C' consists of short answer typequestions and Section 'D' consists of long answer typequestions.

### Section - 'A'
**Answer the following very short-answer-type questions in one or two sentences:  (1×1=1)**

Q.1 what is Logic Family in digital electronics?

### Section - 'B'
**Answer the following very short-answer-type questions in one or two sentences:  (1×1=1)**

Q.2 what is fan-in and fan-out in digital electronics?

### Section - 'C'
**Answer the following long answer type questions in word limit 150-200:                 (2½×2=5)**

Q.1 define RTL in digital electronics

**OR**

define TTL in digital electronics

Q.2  what is AND and NOR gate give truth table with block diagram.

**OR**

Define XOR and XNOR gate with truth table.

### Section - 'D'
**Answer the following long-answer-type questions with word limit 300-350: (4x2=8)**

Q.1 Explain ASCII code?

**OR**

What is gray and excess three code.

Q.2 Give short notes on number system with example.

**OR**

define characteristics of digital logic families.