PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2017
(Fifth Semester)

Branch- ELECTRONICS

PIC MICROCONTROLLER

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks (1 0 x 2 = 20)

1   What is RISC?
2   Define PIC micro controller. .   '
3   What is meant by stack ?
4   How many register bank in PIC micro controller?
5   Mention the different mode of serial communication.
6   List out the logical instruction of PIC micro controller.
7   Define Band rate.
8   What do you mean by post scale assignment for timers?
9   Define blue tooth.
10   List out types of topologies.

SECTION - B125 Marks!
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

11 a Write short note on RISC.
                        OR
    b Write short note on Pipelining.

12 a Explain the stack File selection Register.
                        OR
    b Write short note on sleep configuration fuses.

13 a In detail about>Files with Default Extension.
                        OR
    b Explain the Text strings.

14 a In detail about the Multi channel ADC.
                        OR
    b . Discuss about configuration techniques.

15 a Explain the Bluetooth link types.
                        OR
    b Write short note on IEEL 802.15.1.   »

SECTION - C (30 Marks)
Answer any **THREE** Questions
ALL Questions Carry **EQUAL** Marks (3 x 1 0 = 30)

16   Briefly explain the origin of PIC Micro.

17   Draw the Block diagram of 16F877 with explain its functions.

• 18   Explain the Numeric constants and Redix key to PIC 16 Series Instruction set.

19   Explain about DC Motor Driving Via H - Bridge.

20   Briefly explain the Zig Bee components & Network topologies.

Z-Z-Z   END