PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2018
(First Semester)

Branch- **INFORMATION TECHNOLOGY**

FUNDAMENTALS OF INFORMATION TECHNOLOGY

Time : Three Hours   Maximum : 75 Marks

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

1   Define CPU.
2   Define CMOS-RAM.
3   Define System Software.
4   Define WORMS.
5   Define Computer Networks.
6   Write the command to create a file with DOS.
7   Define String.
8   What is File System?
9   Define Artificial Intelligence.
10   Write some application areas where we apply Information Technology.

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

11 a Explain output devices with an example.
                          OR
    b Explain RAM and its features.

12 a Write the types of software and its functions.
                          OR
    b Explain about WORMS.

13 a Define data communication models and its channels.
                          OR
    b Explain the commands of DOS which works with files and directories.

14 a Discuss in detail about string and its functions.
                          OR
    b Explain about representation of data and its types.

15 a Discuss about methodology and its functions in IT.
                          OR
    b Discuss how IT is used in recreation and entertainment.

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

16   Discuss briefly about the storage device concepts with examples.

17   Explain the steps of virus detection and prevention.

18   Discuss in detail about the types of networks.

19   Explain the logical and composite data type representation.

20   Discuss about the various computer applications used in education and