

END TERM EXAMINATION

FIRST SEMESTER [MBA] DEC. 2014- JAN. 2015

Paper Code: MS-109

Subject: Information Technology Management

MS(FM)-109

Time: 3 Hours

Maximum Marks: 60

Note: Attempt any five questions including Q no.1 which is compulsory.

- Q1 Answer **any five** of the following: (4x5=20)
- (a) What are logic gates? Explain any one logic gate you are familiar with.
 - (b) Contrast between: Primary Key, Candidate Key and Alternative Key.
 - (c) Contrast between Internet, Intranets and Extranets giving example of each.
 - (d) Explain the differences among Simplex, Half Duplex and Full Duplex communication giving example of each.
 - (e) Contrast between TPS and MIS? Explain giving examples.
 - (f) Contrast between switches and routers.
 - (g) What are Integrity Constraints? Explain them.
- Q2 (a) What is a number system? Who do we have variety of number systems? (5)
- (b) Contrast between magnetic storage and optical storage. (5)
- Q3 (a) What is an Operating System? What are its various types? (3)
- (b) Contrast between Batch processing and Multiprogramming operating systems. (4)
- (c) Contrast among Assemblers, Compilers and Interpreters. (3)
- Q4 (a) Differentiate among machine language, assembly language and high level language. (5)
- (b) What is a database? List the advantages of using database approach over traditional file approach for storage and retrieval of data. (5)
- Q5 (a) What is a spreadsheet? How is it useful for data analysis? (4)
- (b) What is an E-R Diagram? What purpose does it serve? List out the steps you need to follow for converting E-R diagram into tables. (6)
- Q6 GGSIPU has shifted to its new campus at Dwarka. There are four building blocks in the new campus. The distances between various blocks are given below: (10)
- | | |
|--------------------|------|
| E Block to D Block | 50m |
| E Block to B Block | 70m |
| B Block to A Block | 25m |
| A Block to D Block | 180m |
- The number of computers required to be installed in each block are given below:
- | | | | |
|--------------|--------------|--------------|-------------|
| E Block -150 | D Block - 30 | B Block - 25 | A Block -45 |
|--------------|--------------|--------------|-------------|
- (i) Suggest a suitable network layout between blocks.
 - (ii) Suggest most suitable place (block) to house the server with reasons.
 - (iii) GGSIPU is also planning to link its various affiliated institutions in Delhi. Which network (LAN, MAN, WAN) will you recommend and why?