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Total Number of Pages: 02

MCA  
MCA103

**1<sup>ST</sup> Semester Regular/Back Examination 2017-18**  
**BUSINESS INFORMATION SYSTEM**  
**BRANCH : MCA**  
**Time : 3 Hours**  
**Max Marks : 100**  
**Q.Code : B905**

**Answer Question No.1 and 2 which are compulsory and any four from the rest.**  
**The figures in the right hand margin indicate marks.**

- Q1** Answer the following questions by choosing the appropriate answer from the given choices. **(2x10)**
- a) Top level managers use \_\_\_\_\_ information.  
(i) Strategic (ii) tactical (iii) operational (iv) non of these
  - b) An information system that supports planning and assessment needs of executive management is \_\_\_\_\_  
(i) MIS (ii) ERP (iii) DSS (iv) None of these
  - c) The system uses multi dimensional data analysis is \_\_\_\_\_  
(i) MIS (ii) DSS (iii) TPS (iv) All of these
  - d) Which of the following may be regarded as metadata?  
(i) E-R diagram (ii) Table (iii) View (iv) Data dictionary
  - e) The general transformation cycle for information is \_\_\_\_\_  
(i) Data-Knowledge-Information (ii) Knowledge-Data-Information (iii) Data-Information-Knowledge (iv) Information-Data-Knowledge
  - f) Processing speed is measured by \_\_\_\_\_  
(i) Milliseconds (ii) Microseconds (iii) Nanoseconds (iv) All of these
  - g) \_\_\_\_\_ system process transaction data immediately after they are captured.  
(i) Real time systems (ii) Enterprise collaboration systems (iii) Batch processing (iv) Descission support
  - h) A relocation of an organization's business process to a lower cost location is known as \_\_\_\_\_  
(i) Outsourcing (ii) Downsizing (iii) Transnational strategy (iv) Off shoring.
  - i) Which of the following helps to establish mutual trust between you and an e-tailer at an e-commerce site.  
(i) Collaboration and trading (ii) Access control and security (iii) Search Management (iv) Electronic payment System
  - j) A computer System that serves as a filter for access to and from other networks by a company's networked computer is \_\_\_\_\_  
(i) Flaming (ii) Firewall (iii) Audit Trail (iv) Opt-in/Opt-out

- Q2** **Answer the following questions:** **(2 x 10)**
- a) What is meant by Business ? Write different goals of a business ?
  - b) Write the different roles played by knowledge workers, data workers and service workers in a business environment.
  - c) List different business functions and write their purpose ?
  - d) Explain the work of an ERP software? Write the name of an ERP software.
  - e) What is meant by Intranet, Internet and extranet. Give example of each.
  - f) What is business process re-engineering? Write its advantages and disadvantages.
  - g) What do you mean by encryption and decryption? Give one example.

- g) Define open system and close system? Give examples of each ?
  - h) What are Intellectual Property Rights? Differentiate Copyright and Patents.
  - i) Define software mashups and apps. Give example.
  - j) What is social shopping?
- Q3**
- a) What is a system? What are its characteristics? Discuss different components of an information system. **(8)**
  - b) Explain the roles of Information System in a business enterprise. Discuss what are the challenges and opportunities of business managers in managing Information System to meet business goals. **(7)**
- Q4**
- a) What is Transaction Processing System? Write its characteristics and describe the roles they play in business. **(8)**
  - b) What is MIS? What are its characteristics? How does MIS differ from TPS? **(7)**
- Q5**
- a) What is enterprise application? What are its types? Discuss, how does enterprise application integrates different functional areas of business processes? **(8)**
  - b) Define IT infrastructure. List different components of IT infrastructure. What are the current trends in hardware platforms and discuss the benefits of open source softwares in businesses. **(7)**
- Q6**
- a) What is e-commerce? What are its types? Briefly discuss different types of e-commerce processes. **(8)**
  - b) Explain different types of E-commerce presence and their activities. What are the different web store requirements to develop a successful e-commerce business? **(7)**
- Q7**
- a) Define data, information and database management system? What are the advantages of using database management system over traditional file system to manage data resources? **(8)**
  - b) What are the ethical, social and political issues raised by information systems? Write the principles for conduct that can be used to guide ethical decisions. **(7)**
- Q8**      **Write short note on Any Two :** **(7.5x2)**
- a) Knowledge Management System
  - b) Virtual Company
  - c) Security measures for managing IT in businesses.
  - d) Green Computing