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SARDAR PATEL UNIVERSITY
External Examination (CBCS)
B. Sc. IIIrd Semester (Information Technology)
US03CINT01 : FUNDAMENTALS OF INFORMATION TECHNOLOGY
6th December, Friday - 2019

Time : 02:00 P.M. to 05:00 P.M.   **Total Marks :70**

Q.1 Select an appropriate option.   10

1. _____ is not the element of Computer and communications system.
    (a) People   (b) Software   (c) Hardware   (d) Procedure

2. _____ is a organized collection of interrelated files.
    (a) Field   (b) Record   (c) File   (d) Database

3. _____ processing is less expensive.
    (a) Batch   (b) Online   (c) Distributed   (d) None of these

4. In _____ structure organization teams are cross-function as well as temporary.
    (a) Hierarchical   (b) Matrix   (c) Project   (d) None of these

5. OAS stands for_____.
    (a) Online Auto Standard   (b) Online Analysis System
    (c) Office Analysis System   (d) Office Automation System

6. _____ Information System connects all divisions and other units of an organization.
    (a) Departmental   (b) Divisional   (c) Plant   (d) Enterprise wide

7. From following _____ is not the source of data.
    (a) Personal   (b) External   (c) Internal   (d) Group

8. Automated prediction of trends and behaviors is the capability of _____.
    (a) DBMS   (b) RDBMS   (c) Data Mining   (d) Data warehouse

9. From following _____ is not the top-level domain.
    (a) .gov   (b) .org   (c) .edu   (d) .form

10. _____ is hierarchical, text based menu system.
    (a) FTP   (b) Telnet   (c) E-mail   (d) Gopherspace

Q.2 Answer the following questions. (Any TEN)   20

1. What is Technological Convergence?

2. Differentiate: Batch processing and Online Processing.

3. How IT facilitates work in organizations?

4. What do you mean by Distributed environment?

5. What is the function of Divisional Information System

6. What are the different types of report generated by MIS?

7. What is the function of DMS?

8. What do you mean by Knowledge management?

(P.T.O.)

9. Discuss data quality aspect in brief.

10. List tools of communication and connectivity.

11. What do you mean by Internet?

12. What is EDI?

Q.3 [a] Explain Computer and Communications System elements. 5

[b] Explain any one database organization in detail. 5

OR

Q.3 [a] Discuss Ethics of Information Technology. 5

[b] Explain Data storage hierarchy in detail. 5

Q.4 List and explain all Information Architectures in detail. 10

OR

Q.4 [a] Explain Divisional Information System. 5

[b] Explain role of knowledge workers in organization. 5

Q.5 [a] Explain framework for computerized decision support. 5

[b] Explain data life cycle process. 5

OR

Q.5 [a] Explain Components and Structure of DSS. 5

[b] Explain Data Mining in detail. 5

Q.6 [a] What is video conferencing? Write advantages and disadvantage of video conferencing? 5

[b] What is World Wide Web? List features of it. 5

OR

Q.6 [a] Explain intranets and firewalls. 5

[b] Explain new Internet technologies. 5

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