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SEAT No. _____

No. of Printed Pages: 02

Sardar Patel University
External Examination
B. Sc. Info. & Tech. – 3rd Semester
US03CINT01: Fundamentals of Information Technology
22nd November, Thursday – 2018

Time: 2:00 pm to 5:00 pm

Total Marks: 70

Q.1 Select an appropriate answer.

10

1. _____ file consists of permanent records.
(a) Temporary (b) Master (c) Program (d) None of these
2. _____ field uniquely identifies record.
(a) Combination (b) Key (c) Individual (d) None of these
3. _____ is a collection of related fields.
(a) Field (b) Record (c) File (d) Database
4. _____ is guide for current operations and a blueprint for future direction.
(a) Information Architecture (b) Information Management
(c) Information Infrastructure (d) None of above
5. TPS stands for _____.
(a) Transaction Processing System (b) Transaction Processing Standard
(c) Transfer Process Standard (d) Transfer Process System
6. OAS stands for _____.
(a) Online Auto Standard (b) Office Analysis System
(c) Online Analysis System (d) Office Automation System
7. DMS stands for _____.
(a) Document Management System (b) Data Management System
(c) Document Management Standard (d) None of above
8. From following _____ is not the source of data.
(a) Personal (b) Internal (c) External (d) Group
9. FTP stands for _____.
(a) File Transfer Protocol (b) File Transmit Protocol
(c) Frame Transfer Protocol (d) Frame Transmit Protocol
10. From following _____ is not the top level domain.
(a) .org (b) .edu (c) .form (d) .gov

Q.2 Answer in short. (Attempt any TEN)

20

1. What is technological convergence?
2. What is key field?
3. How IT facilitates work in organizations?

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(P.T.O.)

4. What do you mean by Distributed Environment?
5. What is client/server architecture?
6. What is function of TPS?
7. What is management?
8. What is sensitivity analysis?
9. Discuss knowledge management activities.
10. Discuss in brief DNS.
11. What is Extranet?
12. How voice mail works?

Q.3

- (a) Discuss Ethics of Information Technology. 5
- (b) Explain data storage hierarchy in detail. 5

OR

Q.3

- (a) Explain File Processing. 5
- (b) Explain any one Database Organization in detail. 5

Q.4 List all Information Architectures and explain any two information architectures in detail. 10

OR

Q.4 Explain all types of Information System used at all levels of organization. 10

Q.5

- (a) Discuss various sources of data collection. 5
- (b) Explain data life cycle process. 5

OR

Q.5

- (a) Explain framework for computerized decision support. 5
- (b) Explain OLAP in detail. 5

Q.6

- (a) Explain features of Internet. 5
- (b) List tools of communications and connectivity and explain any one in detail. 5

OR

Q.6

- (a) Explain intranets and firewalls. 5
- (b) Explain new Internet technologies. 5

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(2)