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| INTERMEDIATE LEVEL | |
| SUBJECT | INFORMATION TECHNOLOGY |
| DATE | OCTOBER 2020 |
| TIME | 3 HOURS |
| MARKS | 100 |
| EXAM TYPE | CLOSED BOOK |

INFORMATION TECHNOLOGY

OCTOBER 2020 EXAMINATIONS

EXAM PAPER

Instructions:

1. On question one, write down **ONLY** the symbol that represents your choice of answer.
2. All questions in Section A are compulsory.
3. Pick any three [3] questions in Section B.

SECTION A

QUESTION ONE

1. Identify any three software control measures to curb computer crime. {3}
a. Biometric control b. user accounts c. firewalls d. security guards
2. When evaluating hardware in a banking environment, which factors must one consider? Pick three. {3}
a. Price b. spares availability c. strength d. order numbers
3. Identify any two database model types. {2}
Hierarchical b. Relational c. Optional d. Verification
4. A global computer network that provides a variety of information and communication facilities, consisting of interconnected networks using standardized communication protocols is called:
a. Topology b. Internet c. Software d. Infrared {1}
5. The most basic software that a computer needs to operate that acts as an interface between the hardware and other computer software is called: {1}
a. Application software b. Operating system c. Driver
6. Pick out three ways of physically securing a network. {3}
a. Surveillance b. Alarm system c. Access cards d. Firewall
7. A piece of software that contains a set of instructions responsible for installing and running a specific piece of hardware attached to a computer is called:
a. Driver b. Drive c. Network d. Software {1}
8. The following modes of communication are related to telecommunications. {3}
a. Telephoning b. teleconferencing c. telecommuting d. videoconferencing
9. Which of the following are examples of information systems? {3}
a. Transaction Processing System b. Management Processing System c. Decision Support System d. Data Information System

QUESTION TWO

- a. Name any two examples of computer applications in which personal data are stored {4}
- b. For the enhancement of decision making by the management, information has to be suitable for use. Give five attributes of information that makes it suitable for managerial use. {10}
- c. What is software? {2}
- d. Clearly indicate the differences between an operating system software and application software. Give examples. {4}

SECTION B

QUESTION THREE

Several computer related crimes target servers and websites with global computer viruses, causing considerable damage to both business and consumer networks:

- a) Give three steps that can be taken to help prevent computer-related crime {6}
- b) Give three distinct examples of computer-related crime {6}
- c) A network can be secured using software and physical control. Discuss how you would secure your network physically. {8}
- d) Describe briefly the chief ways in which personal data can be protected from access by unauthorized people. {4}

QUESTION FOUR

- a. Give advantages of using computer graphics and multimedia representations in a banking environment. {4}
- b. State and explain any two transaction processing systems {6}
- c. Define what office automation is. {2}
- d. Discuss the impact of office automation in a banking organization as far as management is concerned. {8}

QUESTION FIVE

- a. Discuss, in full, the importance of a database management system in a banking environment. {10}
- b. A network is a useful platform that works together with DBMS to enable DZW Bank to operate efficiently. Discuss its significance. {10}
- a. Discuss, in full, the importance of a database management system in a banking environment.

QUESTION SIX

- a. Give three merits of wireless networks over wired networks. {6}
- b. Give any four advantages of telecommunications in a banking sector. {4}
- c. Clearly distinguish between telecommuting, teleconferencing, and videoconferencing.
- i. Telecommuting
 - ii. Teleconferencing
 - iii. Videoconferencing {6}
- d. Give any two advantages of fiber optic cables over twisted pair cables. {4}