

THE INSTITUTE OF CORPORATE SECRETARIES OF PAKISTAN
C.I.S EXAMINATION JANUARY 2013
MODULE A PAPER: INFORMATION TECHNOLOGY GROUP II

Time allowed 3 Hours

Max. Marks: 100

Instructions: Attempt all questions.

Q1. MCQ's. Select the correct answer from the box.

(Marks 30)

Base Address	Conductors	Booting	Query
Questionnaire	Buses	E-commerce	Video Conferencing
Sequential and Random	Sequential and Indexed	Operating System	Standard Operating Procedures
Master Board	Dots Per Inch	Encryption	Gantt Chart
Data Flow Diagram	Virtual Private Network	Machine Language	Enterprise Resource Planning
Control and Communications	Centralized MIS structure	Clerical and Service Workers	Establish Relationship Among Records in Different Files
Mother Board	Modem	Outsourcing	Simulator
First Address	Half Duplex	OCR	Magnetic Tape
Satellite	Data Mining	System Program	Adaptability
Data Conversion	Interpreter	MICR	Compiler

1. DFD stands for _____.
2. _____ is a fact-finding technique that provides the system analyst with the greatest opportunity to probe for more feedback from an individual.
3. The two basic types of record access methods are _____.
4. Different components on the motherboard of a PC unit are linked together by sets of parallel electrical conducting lines. These lines are called _____.
5. The language that the computer can understand and execute is called _____.
6. Characteristics of an entity or organism to alter itself of its responses to the changed circumstances or environment called _____.
7. A process known as _____ is used by large retailers to study trends.
8. The device that can be used to directly input printed text is _____.
9. The output quality of a printer is measured by _____.
10. Personal computers used a number of chips mounted on a main circuit board. The common name of the board is _____.
11. A computer program that converts an entire program into machine language at one time is called a/an _____.
12. The subject of "Cybernetics" deals with the science of _____.
13. The processes of starting or restarting a computer system by loading instructions from a secondary storage device into the computer memory called _____.
14. The device that performs modulation and demodulation is called _____.

15. The communication mode support two-way traffic but in only one direction at a time, called _____.
16. The memory address of the first element of an array is called _____.
17. Database management systems are intended to _____.
18. The management information system (MIS) structure with one main computer system is called a _____.
19. _____ runs on computer hardware and serves as platform for other software to run on.
20. The act of contracting a service or function to an external third part is called _____.
21. _____ are responsible for the day-to-day data processing in the average business.
22. The simple horizontal bar chart that depicts project tasks against a calendar called _____.
23. The process of converting a message into meaningless text for security is called _____.
24. Formal rules for accomplishing tasks that have been developed to cope with expected situation in an organization, called _____.
25. A business management system that integrates all facets of the business including planning, manufacturing, sales and finance so that they can become more coordinated by sharing information with each other known as _____.
26. The use of digital technologies such as electronic funds transfer, credit cards, smart cards, debit cards and internet-based payment systems to pay for products and services electronically called _____.
27. Teleconferencing in which participants see each other over video screens called _____.
28. A secure connection between two points across the internet to transmit corporate data provides a low-cost alternative to a private network known as _____.
29. The secondary storage device that is utilized in back-up procedure is a (n) _____.
30. _____ Language is used by most of the DBMSs for helping their users to access data.

Q2. What is Computer Based Simulation? (05)

Q3. (i) Explain the role of the “System Analyst” in an Information System. (04)

(ii) If you are a network manager, how would you decide whether a LAN, a WAN, or a VAN is most suitable for your company? (03)

(iii) What is an Entity Relationship Diagram? What is the primary purpose of an ERD? (03)

(iv) What are the two major types of Software? What is the primary purpose of each? (05)

Q4. Define the following:

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|----------------------------------|-------|------------|
| a. Transaction Processing System | (TPS) | (Marks 05) |
| b. Decision Support System | (DDS) | (Marks 05) |
| c. Executive Support System | (ESS) | (Marks 05) |
| d. Expert System | (ES) | (Marks 05) |

Q5. Write a short note on the following: (30)

- Multiprogramming
- Multiprocessing
- Object – Oriented Programming
- Direct Method Changeover
- Phased Method Changeover
- Parallel Method Changeover