

DO NOT WRITE ANYTHING HERE

- viii. Which component of CPU is responsible for deciding which operations are to be performed by the CPU?
- | | |
|-------------|-----------|
| A. ALU | B. CU |
| C. Register | D. Memory |
| E. Bus | |
- ix. Which of the following devices is not an input device?
- | | |
|-------------|---------------|
| A. Keyboard | B. Mouse |
| C. Monitor | D. Microphone |
| E. Scanner | |
- x. _____ printer is an example of impact printers.
- | | |
|------------|---------------|
| A. Laser | B. Dot-matrix |
| C. Deskjet | D. Thermal |
| E. Inkjet | |
- xi. Which of the following layers provides reliable and transparent transfer of packets between stations?
- | | |
|-----------------------|----------------------|
| A. Presentation layer | B. Session layer |
| C. Transport layer | D. Application layer |
| E. Data link layer | |
- xii. The number of bits a computer can process at one time is called _____.
- | | |
|-----------------|--------------------|
| A. Bit strength | B. Crunch capacity |
| C. Byte size | D. Word size |
| E. Band width | |
- xiii. Many networks include a central computer that is called _____.
- | | |
|----------------|-----------|
| A. Server | B. Bridge |
| C. Gateway | D. Client |
| E. Workstation | |
- xiv. The set of rules to exchange data in a communication network is called _____.
- | | |
|-------------|--------------|
| A. Gateway | B. Procedure |
| C. Protocol | D. Token |
| E. Language | |
- xv. A communication technique to transmit large volume of data over long distance is _____.
- | | |
|--------------|---------------|
| A. Baseband | B. Broadband |
| C. Bandwidth | D. Narrowband |
| E. Wideband | |

- xvi. Which communication medium requires line of sight?
A. Microwave
B. Fiber optics
C. Twisted pair
D. Coaxial
E. Radio Wave
- xvii. Which of the following is not an antivirus program?
A. Trojan
B. Norton
C. Dr. Solomon
D. McAfee
E. Security essentials
- xviii. Which of the following software supports work group computing?
A. Shareware
B. Freeware
C. Groupware
D. Adware
E. Firmware
- xix. TCP/IP works at _____ layers.
A. Network and Transport
B. Application and Data link
C. Physical and session
D. Session and Transport
E. Application and Network
- xx. Which of the following register generates address of the next instruction to be fetched?
A. DAR
B. DR
C. PC
D. IR
E. AC
- xxi. OCR is an acronym of:
A. Optical Card Reader
B. Optical Character Reader
C. Optical Card Recognition
D. Optical Circuit Reader
E. Optical Character Recognition
- xxii. In which kind of network, every computer is capable of playing the role of client, server or both at the same time?
A. Client Server
B. Dedicated Server
C. Peer to Peer
D. Circuit Switched
E. Packet Switch
- xxiii. _____ makes use of computer systems to assist in the creation, modification, analysis and optimization of design.
A. e-commerce
B. simulation
C. CAD/CAM
D. forecasting
E. e-banking
- xxiv. Which of the following bus is uni-directional?
A. address bus
B. control bus
C. data bus
D. system bus
E. universal serial bus
- xxv. Which disk is used to start-up your computer, if there is a problem on your hard disk?
A. floppy disk
B. boot disk
C. compact disk
D. zip disk
E. digital video disk

- xxvi. How you can select all the items in a window by pressing:
- A. Ctrl + A
 - B. Ctrl + b
 - C. Ctrl + c
 - D. Ctrl + v
 - E. Ctrl + s
- xxvii. Which of the following features is used to find the synonym for the selected word?
- A. Word wrap
 - B. Spell check
 - C. Built in thesaurus
 - D. formatting
 - E. mail merge
- xxviii. Which of the following is an appropriate formula to calculate the percentage of marking in cells B2, B3 < B4.
- A. $= (B2 + B3 + B4)/300 * 100$
 - B. $(B2 + B3 + B4)/300 * 100$
 - C. $= B2 + B3 + B4/300 * 100$
 - D. $= (B2 + B3 + B4)/100 * 300$
 - E. $(B2 + B3 + B4/300) * 100$
- xxix. Which of the following is the major language of www?
- A. http
 - B. java
 - C. php
 - D. html
 - E. attavista
- xxx. In the address smith@spark.barkley.edu, which part refers to the domain name?
- A. Smith
 - B. Spark
 - C. Barkley
 - D. edu
 - E. barkley.edu

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Q. No.1: Total Marks:

15

Marks Obtained:



Federal Board HSSC-I Examination
Computer Science Model Question Paper

Time allowed: 2.30 hours

Total Marks: 60

Note: Sections 'B' 'C' and 'D' comprise pages 1-2 and questions therein are to be answered on the separately provided answer book. Use supplementary answer sheet i.e., sheet B if required. Write your answers neatly and legibly.

SECTION – B (Marks 21)

Note: Section-B consists of following topics of the syllabus:

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|---------------------------------|--------------------------------------|
| a. Basic Concepts of IT | d. Information networks |
| b. Data communication | e. Applications and use of computers |
| c. Hardware and system software | |

- Q.2 Attempt any **SEVEN** parts from the following. All parts carry equal marks. (7 × 3 = 21)
- Differentiate between system software and application software by giving examples.
 - Write down the purpose of Plotter. Also define its two types.
 - Draw and label block diagram of computer system.
 - Briefly define any three layers of OSI Model.
 - Define three data communication modes.
 - Write down three types of data communication speed.
 - How computer can be useful in Medical field by giving example?
 - Define three types of ROM.
 - Write down the function of following:
 - Program counter register
 - Instruction register
 - Accumulator register
 - What is VIRUS? How can it damage computer?

SECTION – C (Marks 21)

Note: Section-C consists of following topics of the syllabus:

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|---|---|
| a. Security, copyright and the law | d. Spreadsheet (Using MS-Excel 2000) |
| b. Operating systems (Windows) | e. Internet, Internet browsing and e-mail |
| c. Word processing (using MS-Word 2000) | |

- Q.3 Attempt any **SEVEN** parts from the following. All parts carry equal marks. (7 × 3 = 21)
- Write down any three ways to spread virus.
 - Write down steps to restore data from the Recycle Bin?
 - Give three benefits of GUI Operating System over command Line Operating System.
 - Write down the purpose of the following:
 - Word Wrap
 - Thesaurus
 - Undo

- v. Differentiate between copy and move the text in MS-Word.
- vi. What is the use of chart in MS-Excel? List any two types of charts.
- vii. Write down step to send an MS-Word document through E-mail.
- viii. What is web surfing? Write down name of any four search engines.
- ix. Define website and web browser.
- x. Differentiate between LAN and WAN.

SECTION – D (Marks 18)

Note: Attempt any **THREE** questions. All questions carry equal marks. (3 × 6 = 18)

- Q.4 Describe the usage of printers also mention the working capacity and mechanism of any three different types of printers. (6)
- Q.5 Define computer networks. Describe the purpose and benefits of computer networks. (6)
- Q.6 What is data communication media? Explain three types of a guided communication media with examples. (6)
- Q.7 What is the data protection act? Explain the data protection principles. (6)
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