



Roll No _____ to be filled in by the candidate

HSSC-(P-I)-A/2023

Paper Code	6	8	3	7
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Computer Science (Objective)

(For All Sessions)

Time: 20 Minutes

Marks : 15

Rwp-11-23

Note: Write Answers to the Questions on the objective answer sheet provided. Four possible answers A, B, C and D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with Marker or Pen ink on the answer sheet provided.

1.1. Which technology is used to read data on cheques:

- (A) OMR (B) MICR (C) OCR (D) CAT

2. CPU is an example of:

- (A) Software (B) A program (C) Hardware (D) An output unit

3. Cache memory works between:

- (A) RAM and ROM (B) MMU and Hard disk (C) CPU and RAM (D) CPU and Hard disk

4. The order of stack is:

- (A) FIFO (B) GIGO (C) FIGO (D) LIFO

5. A virus that replicates itself is called:

- (A) Worm (B) Bug (C) Bomb (D) Vaccine

6. The maximum number of primary partitions that can be created on a disk are:

- (A) Two (B) Three (C) Four (D) Five

7. Clipboard stores _____

- (A) Copied text (B) Deleted text (C) Entered text (D) Repeated text

8. A built-in formula is known as:

- (A) Update (B) Procedure (C) Calculate (D) Function

9. The format of an email address is

- (A) User name # DNS Address (B) User name @ DNS Address (C) User name \$ DNS Address (D) User name ! DNS Address

10. The name for screen clarity

- (A) Discrete (B) Pixel (C) Resolution (D) LCD

11. 1GB of memory in bytes is equal to:

- (A) 2^{30} (B) 2^{20} (C) 2^{40} (D) 2^{10}

12. The protocol used over the Internet is:

- (A) SNA (B) TCP/IP (C) Token-Ring (D) Ethernet

13. Which layer of OSI model does data compression?

- (A) Application layer (B) Physical layer (C) Session layer (D) Presentation layer

14. The physical path over which a message travels is:

- (A) Protocol (B) Signal (C) Node (D) Medium

15. Concurrent flow of bits is done in _____ transmission.

- (A) Parallel (B) Serial (C) Asynchronous (D) Synchronous

Computer Science (Subjective)

(For All Sessions)

Rwp-11-23

Time: 2:10 hours

SECTION-I**2. Write short answers of any six parts from the following:**

(6x2=12)

- i. Define the term digital convergence.
- ii. How did Information Technology make our world as global village?
- iii. Write two types of plotters.
- iv. Convert 32 bytes into bits.
- v. Give any two uses of computer in business.
- vi. What is meant by computer simulation?
- vii. Describe video-conferencing.
- viii. Differentiate between function and formula.
- ix. Write the function to calculate the minimum value from A_1 to A_5 cells.

3. Write short answers of any six parts from the following:

(6x2=12)

- i. What is workgroup computing?
- ii. Compare intranet and extranet.
- iii. Write any two functions of network layer.
- iv. How does FDM work?
- v. What do you know about wireless modem?
- vi. Define digital signal.
- vii. Describe domain name system.
- viii. List two advantages of email.
- ix. Why newsgroups are created on the Internet?

4. Write short answers of any six parts from the following:

(6x2=12)

- i. How does cache memory work?
- ii. Why does DRAM use more power?
- iii. What is password?
- iv. Write two ways in which data security is violated?
- v. Define computer virus.
- vi. What is the purpose of recycle bin?
- vii. Define primary partition.
- viii. What is meant by editing a document?
- ix. Define paragraph formatting.

SECTION-II**Note: Answers any three questions from the following:**

(8x3=24)

5. What is video display adapter? Discuss its different types.
6. What is STAR TOPOLOGY? Explain its working with diagram. Also write its advantages and disadvantages.
7. What is data transmission mode? Explain its types with example.
8. Describe computer architecture. Discuss different components of Computer Architecture.
9. Describe CPU register. Discuss General-purpose registers.

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Inter- (Part-D)-A-2022

Roll No. _____ To be filled in by the candidate

(For all sessions)

Paper Code	6	8	3	5
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Computer Science (Objective Type)

Time: 20 Minutes

R-22

Marks: 15

NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

- 1.1 Internet surfing is an example of:
(A) Simplex Transmission (B) Half-duplex transmission
(C) Full-duplex transmission (D) Duplex transmission
2. The process of producing multiple copies of a document is called:
(A) Word processing (B) Image processing (C) Desktop publishing (D) Reprographics
3. Memory consists of:
(A) Set of Wires (B) Set of Circuits (C) Binary Cells (D) Ports
4. Which register has special role in division and multiplication?
(A) AX (B) BX (C) CX (D) DX
5. CPU provides enabling signal through:
(A) Data Bus (B) Control Bus (C) Address Bus (D) Serial Bus
6. McAfee is an example of:
(A) Antivirus (B) Virus (C) Worm (D) Hacker
7. Add New Hardware option is available in:
(A) Main menu (B) Status bar (C) Control Panel (D) Taskbar
8. Clipboard stores:
(A) Entered text (B) Deleted text (C) Repeated text (D) Copied text
9. Which of the following is a correct cell address:
(A) BB (B) B5 (C) 3B (D) 33
10. All of the following are top-level domain Except:
(A) .edu (B) .org (C) .bus (D) .gov
11. Which of the following is used for personal identification?
(A) Magnetic stripe card (B) MICR (C) OMR (D) OCR
12. Testing all program components together is called:
(A) Volume testing (B) Group testing (C) System testing (D) Composite testing
13. What layer of OSI model does data compression?
(A) Network (B) Presentation (C) Data Link (D) Physical
14. Terminators are used in _____ topology.
(A) Bus (B) Star (C) Ring (D) Mesh
15. The height of wave within a given period of time is known as:
(A) Frequency (B) Phase
(C) Amplitude (D) Pulse

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Roll No. _____ To be filled in by the candidate (For all sessions)

Computer Science (Essay Type)

Time: 2:10 Hours

Section-I *Rwp-22*

Marks: 60

2. Write short answers of any six parts from the following.

2 x 6 =12

- i. Why a trackball should be used instead of mouse?
- ii. What is video input?
- iii. How does barcode reader work?
- iv. Define pixel.
- v. What is groupware?
- vi. Differentiate between Intranet and Extranet.
- vii. Write any two functions of Network layer.
- viii. Define Word processor.
- ix. Differentiate between Undo and Redo commands.

3. Write short answers of any six parts from the following.

2 x 6 =12

- i. How does data flow in simplex mode?
- ii. How data are represented in computer?
- iii. How would you define modulation?
- iv. Why does DRAM uses more power?
- v. What is the purpose of CPU registers?
- vi. Define data bus.
- vii. How would you define an interrupt?
- viii. How would you compare active and passive cells?
- ix. How would you enter function in MS-EXCEL?

4. Write short answers of any six parts from the following.

2 x 6 =12

- i. Describe Video-Conferencing.
- ii. Define Documents Management System.
- iii. How Computer can be useful in marketing?
- iv. What is a Chernobal Virus?
- v. Why it is necessary to update antivirus programs periodically?
- vi. Describe Command Line Operating System with example.
- vii. Write the use of Start Button.
- viii. Differentiate between Webpage and Website.
- ix. Define IP Addressing.

Section -II

Note: Answer any three questions from the following.

8x3=24

5. What is the concept of Software? Describe the classification of software. 2+3+3 08
6. Define Computer Networks and briefly describe the different components of Computer Network. 08
7. Define encoding scheme. Discuss any three coding schemes. 2+2+2+2 08
8. Write down any Four main components of Computer System? 08
9. What do you mean by data security? Discuss any six ways of security violation. 2+1+1+1+1+1+1 08

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Inter- (Part-I)-A-2021

Roll No. _____ To be filled in by the candidate

(For all sessions)

Paper Code	6	8	3	3
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Computer Science (Objective Type)

RWA-21

Time: 20 Minutes

Marks: 15

NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

- 1.1. Which of the following features of MS-Word is used to duplicate a section of text?
 (A) Replace (B) Copy (C) Cut (D) Paste
2. Which of the following is an absolute address of a cell in MS-Excel?
 (A) B1\$ (B) B\$1\$ (C) \$B\$1 (D) \$B1\$
3. The length of an IP address is composed of:
 (A) 8 bits (B) 16 bits (C) 24 bits (D) 32 bits
4. Which of the following is an example of System Software?
 (A) MS-Word (B) MS-Excel (C) Operating System (D) Text Editor
5. Which of the following is the largest data unit?
 (A) Gigabyte (B) Megabyte (C) Kilobyte (D) Terabyte
6. Which layer of OSI Model does data compression?
 (A) Presentation layer (B) Network layer (C) Session layer (D) Transport layer
7. One or more Computers connected to a hub computer is a:
 (A) Ring Network (B) Star Network (C) Mesh Network (D) Information Utility
8. Data is transmitted block by block in the:
 (A) Serial transmission (B) Parallel transmission
 (C) Asynchronous transmission (D) Synchronous transmission
9. The electromagnetic or light waves that represent data are called:
 (A) Waves (B) Pulse (C) Signals (D) Information
10. Product, promotion, place and price relates to:
 (A) Marketing (B) Banks (C) Stock Exchange (D) Departmental store
11. How many types of language processors are there?
 (A) 2 (B) 4 (C) 5 (D) 3
12. CPU's communication with peripheral devices are handled by:
 (A) Main Memory (B) Input output unit (C) Read only memory (D) Control Unit
13. Making illegal copies of software is called:
 (A) Software legacy (B) Software threat (C) Software piracy (D) Software privacy
14. A feature of operating system that automatically detect new hardware device is:
 (A) Multitasking (B) Windows explorer (C) Networking (D) Plug and play
15. A storage area maintain by windows on hard disk for storing deleted items is:
 (A) Récycle Bin (B) Internet Explorer (C) Desktop (D) My Documents

Roll No. _____ To be filled in by the candidate

(For all sessions)

RWP-21

Computer Science (Essay Type)

Time: 2:10 Hours

Section-I

Marks: 60

2. Write short answers of any six parts from the following.

2 x 6 =12

- i. What is computer hardware?
- ii. Define package software.
- iii. Differentiate between input and output devices.
- iv. How does pilot conversion work?
- v. What is TCP/IP?
- vi. Name two network standards.
- vii. Write the purpose of application layer.
- viii. Define unguided media.
- ix. What is the role of cladding in fiber optic cable?

3. Write short answers of any six parts from the following.

2 x 6 =12

- i. How can computer be used in departmental stores?
- ii. What is the purpose of program counter register?
- iii. What is the purpose of stack pointer register?
- iv. Write the function of arithmetic and logic unit(ALU)?
- v. What is interrupt?How is it generated?
- vi. Define security.
- vii. List any three computerized systems used in office automation.
- viii. How is the use of computer beneficial in stock exchange?
- ix. How does boot sector virus work?

4. Write short answers of any six parts from the following.

2 x 6 =12

- i. What is scripting in command line interface?
- ii. Define Graphical user interface.
- iii. Explain Desktop of Windows OS.
- iv. Define Search and Replace option of MS-Word.
- v. What is font specification?
- vi. Explain WYSIWYG.
- vii. What are functions in Excel?
- viii. Write function that sums the values from B3 to B10.
- ix. What is meant by cell in MS-Excel?

Section -II

Note: Answer any three questions from the following.

8x3=24

5. Write the detail of the following Network Components.

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(i) Network Interface Card(NIC) (ii) Gateway (iii) Router (iv) Ethernet

6. Explain any four data types with examples.

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7. Describe Bus Interconnection. Discuss different categories of System Bus.

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8. Explain four causes of computer virus.

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9. Explain E-mail address and News groups in detail.

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