

Roll No.

(To be filled in by the candidate)

**Computer Science H.S.S.C (11<sup>th</sup>) 1<sup>st</sup> Annual 2023**

Time : 20 Minutes

Paper : I *SWL-11-23*

Objective - (ii)

Marks : 15

Paper Code 

6	8	3	3
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Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number in your answer book. Use mark of pen to fill the circles. Filling or filling up two or more circles will result no mark.

**CANCELLED**

**SECTION-A**

Q.1	Questions	A	B		
1.	Frequency is measured in:	Seconds	Bps	Hertz	Amps
2.	Most data transmitted over telephone lines use:	Serial transmission	Parallel transmission	Direct transmission	Sequential transmission
3.	Many banks provide the facility of:	CAD	CAM	CBT	ATM
4.	The idea of storing a program in memory was given by:	Dr. Qadir	Dr. Abdul Salam	John Von Newman	Pascal
5.	Memory consists of:	Ports	Cells	Set of wires	Set of circuits
6.	A list of documents waiting to be printed on printer is called:	Print queue	Print list	Print stack	Print line
7.	Which of the given is biometric technique for person identification?	Access cards	Finger print	PIN	Passwords
8.	The external devices connected to a computer system are known as:	Expansion cards	Buses	Slots	Peripherals
9.	The length of IPV4 address is:	8-bit	16-bit	24-bit	32-bit
10.	A workbook is a group of:	Many rows	Worksheets	Cells	Many columns
11.	Clipboard stores:	Entered text	Deleted text	Copied text	Repeated text
12.	Data processing is also known as:	Knowledge	Computing	Procedure	Merging
13.	Testing a program component is called:	Pilot testing	System testing	Isolation testing	Unit testing
14.	De-jure means	By nature	By fact	By law	By luck
15.	OSI model was created by:	ISO	ANSI	IBM	NESPAK

**Computer Science****H.S.S.C (11<sup>th</sup>)1<sup>st</sup> Annual 2023**

Time : 2:10 Hours

Paper : I

SWL-11-23

Subjective

Marks : 60

Note: Section B is compulsory. Attempt any three Questions from section C.

**SECTION-B**

2. Write short answers to any Six parts. (6 x 2 = 12)
- i. How would you elaborate package software?
  - ii. How does the drum plotter work?
  - iii. Convert 64 bytes into bits.
  - iv. Which type of system conversion is the safest conversion?
  - v. How computer can be used in offices?
  - vi. What is the use of image processing system?
  - vii. Write down two benefits of computer based training.
  - viii. How is a cell identified in a worksheet in MS-Excel?
  - ix. Write down a function that returns the maximum number from cells A1 to C9, in MS Excel.
3. Write short answers to any Six parts. (6 x 2 = 12)
- i. Write down two advantages of using of computer network.
  - ii. What do you understand by de jure protocols?
  - iii. List down two functions of network layer.
  - iv. How does synchronous transmission differ from asynchronous transmission?
  - v. Why modulation and demodulation is performed by modem?
  - vi. What is the role of sender in data communication system?
  - vii. What are the two addressing schemes used over the internet?
  - viii. Why web servers are used?
  - ix. Define web publishing.
4. Write short answers to any Six parts. (6 x 2 = 12)
- i. What is an instruction set?
  - ii. Define operand code.
  - iii. How the virus is activated?
  - iv. Why is backup important?
  - v. What is pirated software?
  - vi. Describe the advantage of multi-processing.
  - vii. What do you mean by plug and play?
  - viii. Distinguish between cut and copy commands.
  - ix. Write down any two font names.

**CANCELLED****SECTION - C**

Note: - Attempt any Three questions. Each Question Carries Eight (8) Marks. (8 x 3 =24)

5. Discuss primary components of a computer system.
6. Write down any eight differences between LAN and WAN.
7. What is data communication? Discuss different modes of data communication with diagram.
8. What is ROM? Discuss its different types.
9. What is language translator? Discuss different types of language translator.

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**Computer Science**

**H.S.S.C (11<sup>th</sup>)-A-2022**

Time : 20 Minutes

Paper : I

Objective - (iv)

Marks : 15

*ScwL-22*

Paper Code 

6	8	3	7
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Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number in your answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

**SECTION-A**

Q.1	Questions	A	B	C	D
1.	To hold the base location of all executable code, CPU uses:	Code segment register	Extra segment register	Stack segment register	Special segment register
2.	Shortcut key to change the case is:	Shift + F3	Ctrl + F3	Alt + F3	Ctrl + Shift + F3
3.	The program that contains instructions to operate a device is called:	Device operator	Device system	Device driver	Operating system
4.	The length of IP address is:	2 Bytes	4 Bytes	8 Bytes	10 Bytes
5.	Windows Explorer acts as:	Word Editor	Directory Browser	Graphic Designer	image Viewer
6.	The memory used to increase the performance of computer is:	ROM	RAM	Flash	Cache
7.	The cell range from B7 to B9 will be written as:	B7 - B9	B7 . B9	B7 : B9	B7 ; B9
8.	Another name for antivirus is:	Vaccine	Worm	Trojan horse	DES
9.	The modular testing of a program is also called:	Pilot testing	Unit testing	System testing	Incremental testing
10.	1 MB of memory in bytes is equal to:	$2^{10}$	$2^{20}$	$2^{30}$	$2^{40}$
11.	Similar networks can be connected by a:	Router	Gateway	Bridge	Network interface card
12.	High fault tolerance is the property of:	BUS Topology Networks	Star Topology Networks	Ring Topology Networks	Mesh Topology Networks
13.	Parallel transmission is used by:	Printer	Joystick	Monitor	Keyboard
14.	EBCDIC is a:	4-bit code	7-bit code	8-bit code	16-bit code
15.	The benefit of computer that provides same result repeatedly is called:	Speed	Precision	Reliability	Consistency

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**Computer Science**

**H.S.S.C (11<sup>th</sup>)-A-2022**

Time : 2:10 Hours

Paper : I **Sect-22**

Subjective

Marks : 60

Note: Section B is compulsory. Attempt any three Questions from section C.

**SECTION-B**

2. Write short answers to any Six parts. (6 x 2 = 12)
- i. How would you express feasibility study?
  - ii. How does the drum plotter work?
  - iii. How does pilot conversion work?
  - iv. What is the use of OMR?
  - v. Define Extranet.
  - vi. What do you know about DSL?
  - vii. What is the function of network layer?
  - viii. What is the use of clipboard in MS Word?
  - ix. How the text is made bold in MS Word?
3. Write short answers to any Six parts. (6 x 2 = 12)
- i. How data is transmitted in synchronous transmission?
  - ii. Write a note on Half Duplex mode of data transmission.
  - iii. Differentiate between serial and parallel transmission.
  - iv. What is the purpose of Cache Memory?
  - v. Why does machine language program execute faster?
  - vi. List any two components of CPU.
  - vii. What do you know about registers in computer?
  - viii. How formula used in MS-Excel? Give an example.
  - ix. Write any two names of chart used in MS-Excel.
4. Write short answers to any Six parts. (6 x 2 = 12)
- i. What is ATM?
  - ii. How computer can be used in offices?
  - iii. Write three types of e-commerce.
  - iv. Why is backup important?
  - v. Define Software Piracy.
  - vi. Why does a computer need an operating system?
  - vii. What is print queue?
  - viii. What is an email attachment?
  - ix. List any four search engines.

**SECTION - C**

**Each Question Carries Eight (8) Marks.**

5. What are non-impact printers? Explain laser-jet and ink-jet printer in detail. (2+3+3)
6. What is email? Write its six benefits. (2+6)
7. Why encoding of data is necessary in computer? Discuss any three coding schemes. (2+2x3)
8. What is operating system? Discuss any six functions of operating system. (2+6)
9. How virus is harmful for computer system? Discuss any three causes of virus spread. (2+2x3)

Computer Science  
Paper : I

Roll No.        
Inter (Part-I)-A-2021

(To be filled in by the candidate)

Time : 20 Minutes

Objective - (iv)

Marks : 15

Paper Code 6 8 3 7

SWL-21

Note: - You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number in your answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

Q.1	Questions	A	B	C	D
1.	Which of the given menu provides header and footer option?	Tools	View	Edit	Insert
2.	Which of the given is a spreadsheet?	MS-Excel	MS-Word	MS-Power Point	MS-Access
3.	In web address, www.education.com, "education.com" is:	User Name	Text File	Protocol	Domain Name
4.	How many bits are in one byte?	2	4	6	8
5.	The scope of the problem is setted during:	system implementation	system testing	system coding	preliminary investigation
6.	Which is not LAN protocol?	ARCnet	Ethernet	Token Ring	Wi MAX
7.	Which OSI layer is responsible to provide services that directly support user application?	Application layer	Presentation layer	Session layer	Transport layer
8.	The amplitude is measured in:	Cycle	Phase	Volts	Hertz
9.	Which communication medium requires lines of sight?	Coaxial	Twister Pair	Fiber Optic	Microwave
10.	Electronic banking is also known as:	cyber banking	local banking	remote banking	offline banking
11.	The temporary storage area within CPU is called:	ROM	RAM	DRAM	Registers
12.	Which component is responsible for comparing the contents of two pieces of data?	Memory	Control Unit	Computer Clock	ALU
13.	A virus that replicates itself is called a:	Bug	Bomb	Vaccine	Worm
14.	Which of the given is the entering point in MS-Window?	Desktop	Explorer	My computer	My document
15.	All deleted files are stored in:	My Documents	Temporary Files	Sys-tray	Recycle Bin

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Computer Science

Inter (Part-I)-A-2021

Time : 2:10 Hours

Paper : I

Subjective

*Su-2*

Marks : 60

Note: Section I is compulsory. Attempt any three Questions from section II.

**(SECTION - I)**

2. Write short answers to any Six parts.

(6 x 2 = 12)

- i. What is application software?
- ii. Define Computer Word.
- iii. Differentiate between unit testing and system testing.
- iv. Why we need training of users for new system?
- v. How computer are connected in network?
- vi. Name any two functions of transport layer.
- vii. What is FTP?
- viii. How does FDM work?

ix. Write two characteristics of analog signals.

3. Write short answers to any Six parts.

(6 x 2 = 12)

- i. Write two advantages of computer using in Banks.
- ii. What do you mean by video conferencing?
- iii. Write names of three computer technologies in office automation.
- iv. Define EPROM.
- v. Write two disadvantages of using Interrupt for data transfer.
- vi. Describe about Memory Buffer Register.
- vii. Define One-Address Instruction Format.
- viii. What is antivirus software?
- ix. Why data security is necessary for computers?

4. Write short answers to any Six parts.

(6 x 2 = 12)

- i. What is GUI operating system?
- ii. What is the purpose of Recycle Bin?
- iii. What is primary partition?
- iv. How can we insert text in a word processor?
- v. What is the purpose of header in word processor?
- vi. What does font specification mean?
- vii. What is meant by absolute referencing in spreadsheet?
- viii. Enlist two examples of functions used in spreadsheet.
- ix. What is the use of formula in a spreadsheet?

**(Section - II)**

**Each Question Carries Eight (8) Marks.**

5. Define Network Topology. Explain the working of Star Topology with example. Also draw its diagram.
6. Define Data Communication. Explain its components with diagram.
7. What is language translator? Explain different types of language translators.
8. Define Data Security. Also explain six security threats to data and safeguard against them.
9. Explain Email address and describe Newsgroups in detail.

*J. K. S.*