Roll No. ☐☐☐☐☐ (To be filled in by the candidate)

Computer Science H.S.S.C (11th) 1st-Annual-2024   Time: 20 Minutes
Paper: I   Objective - (i)   Marks: 15
                        Paper Code 6 8 3 3

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 you answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

(SECTION – A)

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Q.NO.1

Sr.	Questions	(A)	(B)	(C)	(D)
1	Which of the given devices uses parallel transmission?	Mouse	Keyboard	Touchpad	**● Printer**
2	How many characters can unicode represent?	32	128	256	**● 65536**
3	The process of performing automatic office tasks using computer is called:	**● Office automation**	Office support	Data management	Reprographics
4	Which register is used for arithmetic and data operations?	**● AX**	BX	CX	DX
5	Which of the given memory needs to be refreshed?	SRAM	**● DRAM**	MRAM	ROM
6	Which mode does replace the existing text in MS-Word?	**● Overtype**	Replace	Insert mode	Change
7	A list of documents waiting to be printed on printer is called:	Print list	**● Print queue**	Print line	Print stack
8	Which of the given is an antivirus program?	Trojan horse	Logic bomb	Redlof	**● MCAfee**
9	Web pages are written in which type of language?	SQL	Assembly	C++	**● HTML**
10	To calculate square root of cell D5, the function is:	**● =sqrt (D5)**	=sqrt (D5)	=sqr (D5	=sqrt (D5,D6)
11	If the custom format is 00000 then 321 is displayed as:	321	0321	03210	**● 00321**
12	Mobile SIM card and ATM card are example of:	Strip card	**● Smart card**	OMR card	Video card
13	Which of the given keys is used to cancel an operation?	Pause	Del	Enter	**● Esc**
14	Which of the given is a communication device?	UTP	USB	**● Router**	CD
15	Route determination can be identified by which layer?	Presentation	Application	**● Network**	Transport

Roll No. ☐☐☐☐☐ (To be filled in by the candidate

Computer Science   H.S.S.C (11th)1st-A-2024   Time: 2:10 Hour

Paper: I   Subjective   Marks: 60

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

SECTION - B

Q2. Write short answers to any SIX parts.

(i) Write down two advantages of LCD over monitor.

(ii) Convert 160 MB to memory into Kilo Bytes.

(iii) What is the function of presentation layer?

(iv) How are computers in a network connected?

(v) Which layer of OSI model is an interface between user and network?

(vi) Why does a collision occur in Bus topology?

(vii) How does bridge improve network performance?

(viii) Differentiate between Serial Transmission and Parallel Transmission.

(ix) Represent an analog signal with the help of diagram.

Q3. Write short answers to any SIX parts.

(i) Write down the function of cache memory.

(ii) Define Interrupt.

(iii) Why Zero Address Instruction format is given to the computer?

(iv) Write down two benefits of GUI.

(v) How does virus spread from one computer to another? Write down a cause.

(vi) What is Trojan Horse?

(vii) Define backup of data.

(viii) Define DNS addressing.

(ix) What is browser?

Q4. Write short answers to any SIX parts.

(i) Distinguish between cut and copy commands.

(ii) Write down the use of macros in MS-Word.

(iii) Write down two uses of MS-Word.

(iv) Define text editor.

(v) Write down function which returns highest number from cell D1 through D50.

(vi) Distinguish between function and formula in MS-Excel.

(vii) What is the use of wrap text in MS-Excel?

(viii) What is Absolute Referencing?

(ix) What is Passive Cell?

SECTION - C

Attempt any THREE questions. Each question carries Eight (8) marks.   (3 × 8 = 2

Q5. Describe flat Panel Display and CRT Display Screen.

Q6. What is data communication mode? Explain three communication modes.

Q7. Discuss uses of computers in business (any four).

Q8. What is a computer bus? Discuss different types of system buses

Q9. Explain different features of windows operating system.

Roll No. ☐☐☐☐☐☐ (To be filled in by the candidate)

Computer Science	**H.S.S.C (11th)1st Annual 2023**	Time : 2:10 Hours
Paper : I	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.

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.

Roll No. ☐☐☐☐☐☐ (To be filled in by the candidate)

Computer Science   H.S.S.C (11th)-A-2022   Time : 20 Minutes

Paper : I   Objective – (iv)   Marks : 15

Paper Code | 6 | 8 | 3 | 7

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

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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

213-322-A-19000 ★★★★

Computer Science

Roll No. ☐☐☐☐☐☐ (To be filled in by the candidate)

H.S.S.C (11th)-A-2022

Time : 2:10 Hours

Paper : I

Subjective

Marks : 60

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

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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)

213-322-A-19000

Roll No. ☐☐☐☐☐☐☐ (To be filled in by the candidate)

Computer Science

Inter (Part-I)-A-2021

Time : 20 Minutes

Paper : I

Objective – (iv)

Marks : 15

Paper Code | 6 | 8 | 3 | 7

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

213-321-A-12250 ★★★★

Sahiwal Board-2021

Roll No. ☐☐☐☐☐☐ (To be filled in by the candidate.

Computer Science   Inter (Part-I)-A-2021   Time : 2:10 Hours

Paper : I   Subjective   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.

213-321-A-12250

Roll No._____ Annual 2019

Computer Science (INTERMEDIATE PART- I , Class 11th) (II)   Time :20 Minutes
Objective
(New Scheme)

Paper : I   Code : 6833   Marks : 15

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 with marker or pen. Cutting or filling two or more circles will result in zero mark in that question.

1. 1. Which of the following is e-mail client software?

    (A) IE   (B) Google. Com   (C) Outlook express   (D) MS Word

2. A cell at second column and 15th row has a cell address:

    (A) 15 A   (B) 15 B   (C) B 15   (D) A 15

3. Which of the following keyboard shortcuts is used to change the case?

    (A) Ctrl + F3   (B) Shift + F3   (C) Alt + F3   (D) F7

4. GUI stands for:

    (A) General User Interrupt   (B) Graph Utilities Icon

    (C) Graphical User Interface   (D) Grayed User Interface

5. Another name for antivirus is:

    (A) vaccine   (B) worm   (C) Trojan Horse   (D) DES

6. McAfee is an example of :

    (A) Virus   (B) Anti - virus   (C) Hacker   (D) Worm

7. Which of the following is not a type of bus?

    (A) Control Bus   (B) Address Bus   (C) Data Bus   (D) Information Bus

8. The Idea of stored program computer was given by:

    (A) Charles   (B) Leibnize   (C) John Von Neuman   (D) Pascal

9. CBT software is used in :

    (A) Education   (B) Forecasting   (C) Manufacturing   (D) Farming

10. Frequency of analog signal is measured in:

    (A) Joule   (B) Volt   (C) Digits   (D) Hertz

11. Which of the following codes can represent up to 65,536 symbols?

    (A) BC D   (B) ASCII   (C) EBCDIC   (D) Unicode

12. Which of the following is bottom layer of OSI model?

    (A) application layer   (B) physical layer   (C) Data link layer   (D) Network layer

13. Which of the following is an example of De Facto standard?

    (A) SNA   (B) ISO   (C) EIA   (D) IBM

14. Which of the following is not an output device?

    (A) Monitor   (B) Speaker   (C) Printer   (D) Scanner

15. The data and program are stored permanently on the:

    (A) RAM   (B) Secondary storage   (C) CPU   (D) Primary storage

Computer Science
(New Scheme)
Paper : I

(INTERMEDIATE PART-I   CLASS 11th)
SUBJECTIVE
(Academic Session 2018 – 2020)

Time : 2 : 10 Hours

Sahiwal Board-2019

Marks : 60

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

(Section – I)

2.   **Write short answers to any Six parts.**   pakcity.org   (6 x 2 = 12)

   i.   Define Information Technology.

   ii.   Write the name of any four input devices.

   iii.   How does touch pad work?

   iv.   What is Plotter?

   v.   Define Collaborative Computing.

   vi.   Differentiate between uploading and downloading.

   vii.   What do you mean by network topology?

   viii.   State the purpose of news server in newsgroup.

   ix.   What is a URL?

3.   **Write short answers to any Six parts.**   (6 x 2 = 12)

   i.   Define Data Communication.

   ii.   Name three guided media.

   iii.   What is Broadband?

   iv.   What is E- banking?

   v.   List four benefits of video conferencing.

   vi   What is word processing?

   vii.   Write shortcut keys for cut and copy.

   viii.   Differentiate between active cell and passive cell.

   ix.   Define Worksheet.

4.   **Write short answers to any Six parts.**   (6 x 2 = 12)

   i.   What are CPU Registers?

   ii.   Why machine language program execute faster?

   iii.   Differentiate between PROM and EPROM.

   iv.   Differentiate between Linker and Loader.

   v.   What is the difference between Compiler and Interpreter?

   vi.   What is Boot Sector Virus?

   vii.   Who is a Hacker?

   viii.   Write any two features of Windows 2000 operating system.

   ix.   Define the term plug and play?

(Section - II)

Attempt any three (3) questions: (3 x 8 = 24)

5.   Discuss four primary components of computer.

6.   What is Network Protocol? Discuss different LAN protocols.

7.   When unguided media is used? Describe three types of unguided media.

8.   Explain CPU with its main components.

9.   Explain different types of computer virus.

212- 319-14500

Computer Science   (INTERMEDIATE PART- I , Class 11ᵗʰ) (1)   Time :20 Minutes
(New Scheme)   (Academic Session 2017 – 2019)   **Sahiwal Board-2018**
Paper : I   ✲ **pakcity.org** ✲   Objective   Marks : 15
Code : 6831

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 with marker or pen. Cutting or filling two or more circles will result in zero mark in that question.

1. i. The keyboard layout that is most commonly used is the

    (A) qinerty   (B) devork   (C) splitter   (D) inriter

   ii. Testing all program components together in SDLC is called

    (A) group testing   (B) volume testing   (C) system testing   (D) composite testing

  iii. Layer that is responsible for transferring frames in OSI model is

    (A) application layer   (B) data link layer   (C) presentation layer   (D) session layer

  iv. Terminators are used in _____ topology.

    (A) bus   (B) star   (C) ring   (D) mesh

   v. Television and radio broadcasts are example of

    (A) simplex transmission   (B) half-duplex transmission

    (C) full duplex transmission   (D) duplex transmission

  vi. Which of the following coding schemes uses 16 –bit code?

    (A) BCD   (B) ASCII   (C) EBCDIC   (D) Unicode

  vii. The process of producing multiple copies of a document is called

    (A) desktop publishing   (B) image processing   (C) data management   (D) reprographics

  viii. RAM usually has _____ types.

    (A) 2   (B) 3   (C) 4   (D) 5

  ix. Which of the following is not a type of bus in computer?

    (A) Data bus   (B) Address bus   (C) Timer bus   (D) Control bus

   x. Trojan Horse is a type of

    (A) antivirus   (B) virus   (C) horse   (D) hacker

  xi. A person who gains illegal access to a computer system is called

    (A) hacker   (B) network controller   (C) computer operator   (D) computer consultant

  xii. The devices that are automatically detected by Windows are called.

    (A) automatic devices   (B) installed devices   (C) plug and play devices   (D) serial devices

  xiii. Clipboard stores_____ in word processing.

    (A) entered text   (B) copied text   (C) deleted text   (D) repeated text

  xiv. The number of argument in SQRT ( ) function in MS-Excel is / are

    (A) one   (B) two   (C) equal to range   (D) equal to column number

  xv. Web pages are written in which type of language is

    (A) SQL   (B) Assembly   (C) Pascal   (D) HTML

Computer Science (New Scheme)
Paper : I

(INTERMEDIATE PART-I CLASS 11ᵗʰ)

(Academic Session 2017 – 2019)
SUBJECTIVE

Time : 2 : 10 Hours

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 data?
   ii. How does mouse work?
   iii. What is UPC?
   iv. Define telecommunication.
   v. Write the use of server in computer networks.
   vi. Why repeater is used?
   vii. Define bit and byte.
   viii. How is data transmitted in asynchronous transmission?
   ix. Define refraction.

3. **Write short answers to any Six parts.** (6 x 2 = 12)

   i. What is robot?
   ii. Define computer aided learning.
   iii. Give two uses of computer in medical field.
   iv. Define low level language.
   v. What is the purpose of execute instruction?
   vi. Define memory address register.
   vii. Write two differences between source code and object code.
   viii. What is the use of parallel port?
   ix. Define software piracy.

4. **Write short answers to any Six parts.** (6 x 2 = 12)

   i. What is meant by multitasking operating system?
   ii. Describe the use of control panel.
   iii. What is an event?
   iv. Describe " Undo" and "Redo" commands.
   v. What are Headers and Footers in Microsoft Word?
   vi. Differentiate between workbook and worksheet.
   vii. What is cell and cell address?
   viii. Define Web browsing.
   ix. Differentiate between URL and Website.

(Section - II)

Attempt any three (3) questions: (3 x 8 = 24)

5. What is video display screen? Explain CRT and Flat panel display. (2+3+3) = 8

6. Define Network and explain its types in detail. (2+2+2+2) = 8

7. What do you know about un-guided media? Explain micro-wave and satellite media in detail.

   (2+3+3) = 8

8. What are language translators? Write in detail types of language translators
   (compiler, Interpreter and Assembler) (2+2+2+2) = 8

9. What is virus? Explain any three causes of computer virus. (2+6) = 8