Roll No. of Candidate : _____

COMPUTER SCIENCE Intermediate Part-I , Class 11th (1st A 323- I)　　Paper – I

Time: 20 Minutes Guj-11-23　**OBJECTIVE**　Code : 6831　②　**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. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

1. 1 - Mobile SIM card and ATM card are examples of

   (A) video card　　(B) OMR card　　(C) smart card　　(D) strip card

   2 - Coding is also called

   (A) programming　　(B) evaluating　　(C) installing　　(D) testing

   3 - Which is not a LAN protocol?

   (A) Ethernet　　(B) Token Ring　　(C) ARCNet　　(D) IrDA

   4 - DSI reference model has

   (A) 3 layers　　(B) 7 layers　　(C) 11 layers　　(D) 13 layers

   5 - Digital signals are commonly known as

   (A) bandwidth　　(B) narrowband　　(C) baseband　　(D) broadband

   6 - Select unguided media from the followings

   (A) Microwave　　(B) Twisted pair cable　　(C) Coaxial cable　　(D) Fiber-optic cable

   7 - Which technology is used to read data on cheques?

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

   8 - How many units ALU has?

   (A) 6　　(B) 2　　(C) 3　　(D) 4

   9 - The order of stack is

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

   10 - The program written in high level language is called

   (A) source code　　(B) object code　　(C) linked code　　(D) machine code

   11 - McAfee is an example of

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

   12 - The letter "NT" in windows NT stands for

   (A) not tested　　(B) new technology　　(C) network terminal　　(D) network technology

   13 - What kind of pictures bit map graphics are?

   (A) painted　　(B) line　　(C) curve　　(D) solid

   14 - The columns in spreadsheet are labeled by

   (A) numbers　　(B) digits　　(C) letters　　(D) cell reference

   15 - Which of the following is an internet protocol?

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

221-(I)-1st A 323-47000

COMPUTER SCIENCE   Intermediate Part-I , Class 11th (1stA 323)   **Paper – I**

Time: 2:10 Hours   **SUBJECTIVE**   ③   **Marks: 60**

Note: Section-I is compulsory. Attempt any THREE (3) questions from Section-II.   *Guj-11-23*

SECTION – I

2 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - Differentiate between data and information.   vi - How is computer useful in medical field?

ii - Why is hardware useless without software?   vii - What is the use of computer aided design?

iii - Enlist basic units of data storage.   viii - Define worksheet.

iv - Define feasibility study.   ix - Can you enter data in passive cell?

v - What is reprographic?

3 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - What are De facto standards?   vi - What is broadband?

ii - What is extranet?   vii - What is an IP address? Why it is used?

iii - What is the purpose of application layer?   viii - Elaborate the purpose of search engine.

iv - Define data communication.   ix - How webpages are created?

v - How is data transmitted in synchronous transmission?

4 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - What is cache memory?   vi - What is Recycle Bin?

ii - Differentiate between Source Code and Object Code.   vii - Briefly describe Graphical User Interface.

iii - How a virus is activated?   viii - Discuss about headers and footers.

iv - Explain antivirus software.   ix - Explain Word Art in Word Processors.

v - List some reasons of data loss.

SECTION – II

5 - What is non-impact printer? Discuss Laser printer and Inkjet printer.   **(8)**

6 - Discuss any four network components.   **(8)**

7 - What is un-guided media? Discuss different types of un-guided media.   **(8)**

8 - Describe computer architecture. Discuss its components in detail.   **(8)**

9 - What are CPU registers? Briefly describe special-purpose registers.   **(8)**

221-1stA 323-47000

COMPUTER SCIENCE   (Intermediate Part-I, Class 11th) 322 - (III)   **Paper – I**

Time: 20 Minutes   <u>OBJECTIVE</u> - - - - - <u>Code : 6835</u> Gu7. .22   **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. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank.

1. 1 - _____ is spread sheet software.

    (A) MS Word   (B) MS Excel   (C) MS Power Point   (D) Adobe Acrobat

  2 - The maximum number of primary partitions that can be created on a disk is _____ .

    (A) two   (B) three   (C) four   (D) five

  3 - The memory cells are logically organized into group of _____ bits.

    (A) 5   (B) 8   (C) 12   (D) 24

  4 - The memory that programmed at the time of manufacturing is called _____ .

    (A) RAM   (B) FPROM   (C) Cache   (D) ROM

  5 - The process of converting a digital signal into an analog signal is called _____ .

    (A) modulation   (B) demodulation   (C) conversion   (D) merging

  6 - In star topology, the central device is called _____ .

    (A) hub   (B) terminator   (C) router   (D) gateway

  7 - The name for the screen clarity is _____ .

    (A) resolution   (B) discrete   (C) pixel   (D) LCD

  8 - _____ is used to find information on World Wide Web.

    (A) Web Browser   (B) Web Site   (C) Search Engine   (D) Web Server

  9 - _____ is a word processor.

    (A) Adobe Acrobat   (B) Photo Express   (C) MS Excel   (D) MS Word

 10 - A virus that replicates itself is called _____ .

    (A) worm   (B) bug   (C) vaccine   (D) bomb

 11 - The temporary storage area within CPU is called _____ .

    (A) ROM   (B) RAM   (C) Registers   (D) HDD

 12 - Typically, an ATM can be used to _____ .

    (A) keep records   (B) make budgets   (C) watch movies   (D) withdraw cash

 13 - BIT stands for _____ .

    (A) binary integer   (B) binary digit   (C) binary interval   (D) both (A) & (B)

 14 - What layer of OSI model does data compression?

    (A) network   (B) presentation   (C) data link   (D) physical

 15 - The smallest unit of memory is _____ .

    (A) byte   (B) bit   (C) character   (D) word

COMPUTER SCIENCE   (Intermediate Part-I, Class 11ᵗʰ) 322   **Paper – I**

Time: 2:10 Hours   <u>SUBJECTIVE</u>   **Marks: 60**

Note: Section I is compulsory. Attempt any THREE (3) questions from Section II.

(SECTION – I)   Guj-22

2 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - How is hardware different from software? Give two examples.

ii - Write down the working of light pen.

iii - Enlist phases of SDLC.

iv - What is the use of OCR? (Optical Character Recognition)

v - Differentiate between LAN and MAN.

vi - How does ring topology work?

vii - What is the purpose of application layer?

viii - How do "Undo" and "Redo" commands work in MS-Word?

ix - Write down the short cut keys for "Find" and "Replace" commands in MS-Word.

3 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - How can you present the idea of analog signal?

ii - How does Half Duplex Mode work?

iii - What do you know about modulation?

iv - Why RAM is volatile memory?

v - How do you explain data bus?

vi - How can you elaborate DMA?

vii - Define CPU registers?

viii - What is spread sheet?

ix - Explain the concept of function?

4 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - What is E-banking?

ii - Define reprographic.

iii - What is Robot?

iv - Define password.

v - What is antivirus software?

vi - What is the purpose of Recycle Bin?

vii - Name any four options of Control Pannel.

viii - Where are Websites hosted?

ix - Name any two disadvantages of E-mail.

(SECTION – II)

5 - Define Non-Impact printers. Explain Laser printer and Inkjet printer.   2+3+3 (8)

6 - Define protocol. Explain Token Ring and TCP/IP protocols.   2+3+3 (8)

7 - Define data communication. Explain different components of data communication.   2+6 (8)

8 - Explain any four components of computer architecture.   2+2+2+2 (8)

9 - Describe different threats to data security. Explain six solutions to these threats.   2+6 (8)

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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. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank.

1. 1 - The number of octets in an IP address is

    (A) 4   (B) 6   (C) 14   (D) 16

2 - The command used to move selected text to another part of a document is

    (A) replace   (B) cut and paste   (C) formate   (D) edit

3 - Which of the following is a correct cell address?

    (A) MA   (B) F16   (C) 3D   (D) 54

4 - The letters "NT" in Windows NT stand for

    (A) new technology   (B) network terminal   (C) network technology   (D) not tested

5 - Which operating system provides only a command-line interface?

    (A) Mac-Os   (B) DOS   (C) Windows   (D) Linux

6 - A special program that can detect and remove viruses from computer is called

    (A) virus   (B) groupware   (C) antivirus   (D) shareware

7 - Cache memory is

    (A) faster than RAM   (B) slower than RAM   (C) non-volatile   (D) type of ROM

8 - CAM is used to

    (A) Design Products   (B) Online Education   (C) Edit Pictures   (D) Manufacture Products

9 - RAM holds data and instructions

    (A) permanently   (B) temporarily   (C) partially   (D) casually

10 - Start/stop bits are required in this type of transmission.

    (A) asynchronous   (B) isynchronous   (C) monosynchronous   (D) synchronous

11 - Sound waves and radio waves are examples of _____ signal.

    (A) digital   (B) analog   (C) simple   (D) discrete

12 - Which type of network is the internet?

    (A) LAN   (B) MAN   (C) NAN   (D) WAN

13 - OSI model was created by

    (A) ANSI   (B) IBM   (C) ISO   (D) DARPA

14 - The type of conversion in which individual components of a new system are used one by one is called

    (A) direct   (B) phased   (C) parallel   (D) pilot

15 - The process of training personnel to use the new system is done during.

    (A) implementation   (B) design   (C) analysis   (D) testing

COMPUTER SCIENCE (INTERMEDIATE PART-I) 321 Paper – I
Time: 2:10 Hours **SUBJECTIVE** Marks: 60

Note: Section I is compulsory. Attempt any Three (3) questions from Section II.

(SECTION – I)

2 - Write short answers to any SIX questions. (2 x 6 = 12)

i - Define information technology.
ii - Name any four input devices.
iii - Compare unit testing and system testing.
iv - Define the coding phase of SDLC.
v - What do you mean by workgroup computing?

vi - Define internet.
vii - Compare uploading and downloading.
viii - Define broadband.
ix - Define mobile communication.

3 - Write short answers to any SIX questions. (2 x 6 = 12)

i - What is the advantage of using ATM in banks?
ii - How computer can be used in offices?
iii - How bank can benefit from the use of computer?
iv - List two typical components of CPU.
v - What is DMA?

vi - Name four segment registers.
vii - What is the purpose of memory buffer register?
viii - What is computer virus?
ix - What is data security?

4 - Write short answers to any SIX questions. (2 x 6 = 12)

i - What is main advantage of multitasking operating system?
ii - What is Graphical User Interface (GUI) operating systems?
iii - What is the purpose of Recycle Bin?
iv - Explain WYSIWYG.
v - What is search and replace option in MS-Word?

vi - Explain footnote and cross-reference.
vii - What is cell?
viii - What is chart and its use?
ix - Define formula in MS-Excel.

(SECTION – II)

5 - What is a Network Topology? Explain the working of Bus Topology with diagram and example. 2+4+1+1 = (8)

6 - Explain serial transmission and parallel transmission with diagrams and examples. 2+2+2+2 = (8)

7 - What is CPU? Explain fetch, decode and execute cycle of CPU. 2+2+2+2 = (8)

8 - What is data security? Explain any six solutions to data security threats. 2+1+1+1+1+1+1 = (8)

9 - Explain Email address and uniform resource locator in detail with example. 4+4 = (8)

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