Sessions;2015-2017,2016-2018&2017-2019

Computer Science (Objective Type)

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 is a type of RAM?

(A) SRAM   (B) CRAM   (C) ERAM   (D) FRAM

2. Which one is the fastest memory?

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

3. The secret words or number used for computer security is called:

(A) Biometric data   (B) Passwords   (C) Private words   (D) Safe words

4. Which of the following is an antivirus?

(A) Redlof   (B) Logic bomb   (C) NOD32   (D) Trojan Horse

5. The operating system based on NT technology is:

(A) Windows 95   (B) Windows 97   (C) Windows 98   (D) Windows 2000

6. Common font size used in business document is:

(A) 10-points   (B) 12-points   (C) 14-points   (D) 16-points

7. In MS-Excel, formula begins with:

(A) >   (B) <   (C) =   (D) ==

8. How many types of addressing scheme are there?

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

9. Data processing is also known as:

(A) Knowledge   (B) Computing   (C) Procedure   (D) Merging

10. XGA resolution is:

(A) 640x480   (B) 640x580   (C) 640x860   (D) 1024x768

11. DSL stands for:

(A) Direct Service Lease   (B) Domain Server Link

(C) Distance Service Line   (D) Digital Subscriber Line

12. Which of the following is not a type of Network?

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

13. Television broadcast is an example of:

(A) Half-duplex transmission   (B) Full-duplex transmission

(C) Simplex   (D) Reverse duplex transmission

14. Which of the following coding scheme used by IBM?

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

15. The software which is used to control all parts of manufacturing process is called:

(A) CAD   (B) MICR   (C) CAM   (D) ATM

Roll No. _____ *To be filled in by the candidate*

Sessions;2015-2017,2016-2018&2017-2019

Computer Science (Essay Type)

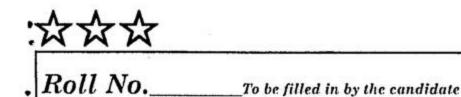. Time: 2:10 Hours   Marks: 60

Section -I

2. **Write short answers of any six parts from the following.**   2 x 6 =12

   i. What do you know about mouse?   ii. Explain the concept of pen-based system.

   iii. Why is resolution important for display screen?   iv. Enlist different components of LAN.

   v. What is client server network model?   vi. Explain workgroup computing.

   vii. Define Bandwidth.   viii. What is synchronous data transmission?

   ix. Define data communication mode.

3. **Write short answers of any six parts from the following.**   2 x 6 =12

   i. Write any two uses of robot in industry.   ii. How can computing be useful in weather forecasting?

   iii. What is online education?   iv. What is Interrupt?

   v. Write the purpose of data transfer transaction.   vi. What is Instruction set?

   vii. Why is backup important?   viii. Write the use of Memory Buffer Register

   ix. Give one difference between source code and object code.

4. **Write short answers of any six parts from the following.**   2 x 6 =12

   i. Define Graphical user interface with example.   ii. Why start button is used in windows?

   iii. Differentiate between Serif and San-Serif fonts? iv. What is WYSIWYG?

   v. Explain macro in MS-Word.   vi. What is the difference between formula and function?

   vii. Define Gridlines in Excel.   viii. Define Search Engine with example.

   ix. List all addressing schemes used on internet.

Section -II

Note: Answer any three questions from the following.   8x3=24

5. Define computer.Discuss any three primary components of a computer system.   08

6. What is ring topology?Explain its working with diagram.Write its two advantages and two disadvantages. 08

7. What is meant by encoding of data?Explain any three coding schemes to interpret data. 08

8. What is bus?Explain different types of system buses?   08

9. What is virus?Discuss any three causes of virus.   08

:☆☆☆

Roll No._____ *To be filled in by the candidate*

Paper Code	6	8	3	5

Session;2014-2016

Computer Science (Objective Type)

Time: 20 Minutes   Marks: 17

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. The address bus is:

(A) Bidirectional   (B) Multidirectional   (C) Unidirectional   (D) Circular

2. CPU include all the components EXCEPT:

(A) ALU   (B) CU   (C) Register   (D) RAM

3. Which of the following is NOT a language translator?

(A) Compiler   (B) Assembler   (C) Interpreter   (D) Debugger

4. Which is an example of antivirus program?

(A) Trojan horse   (B) Redlof   (C) Boot sector   (D) MacAfee

5. All files deleted from computer are stored in:

(A) My documents   (B) Recycle bin   (C) Temporary file   (D) Sis-tray

6. In which menu page setup command is available?

(A) Format   (B) Insert   (C) File   (D) Edit

7. Which of the following is a correct cell address?

(A) AA   (B) A2   (C) 2A   (D) A$

8. ISP stands for:

(A) Internet Service Provider   (B) Information Service Provider

(C) International Service Provider   (D) Internet Security Provider

9. Which of the following is secondary storage device?

(A) RAM   (B) ROM   (C) CPU   (D) CD-ROM

10. Caps lock key is a_____:

(A) Function key   (B) Toggle key   (C) Modifier key   (D) Cursor control key

11. Each computer on a network is called:

(A) Node   (B) Code   (C) Mode   (D) Link

12. Which layer is the top most layer of OSI model?

(A) Presentation   (B) Network   (C) Session   (D) Application

13. Which technique uses modulation?

(A) Base band   (B) Broad band   (C) Bandwidth   (D) Bus width

14. A device that receives messages is called:

(A) Transmitter   (B) Source   (C) Sink   (D) Encoder

15. Which is not an example of e-commerce?

(A) Electronic banking   (B) Online shopping   (C) Online education   (D) Online chatting

16. The fly-by-wire system is used in:

(A) Medical   (B) Business   (C) Education   (D) Airline

17. The cells of memory are logically organised into groups of:

(A) 4 bits   (B) 6 bits   (C) 8 bits   (D) 16 bits

919-011-A-☆☆☆

Session;2014-2016

Computer Science (Essay Type)

Time: 3:10 Hours

Marks: 83

Section -I

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

2 x 8 =16

i. What is the use of keyboard?

ii. Define barcode.

iii. List out different types of graphic cards.

iv. Write the function of network layer.

v. Define extra net.

vi. What do you know about gateway?

vii. Write two characteristics of analog signal.

viii. Define baseband.

ix. How is data transmitted in synchronous transmission?

x. What is privacy issue?

xi. Why is backup important?

xii. Write any four names of antivirus programs.

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

2 x 8 =16

i. Define interrupt.

ii. Why does DRAM use more power?

iii. Differentiate between volatile and non-volatile memory.

iv. What is port?

v. How does bus width affect processing speed of computer?

vi. What is the use of I/O devices?

vii. How can you recover the deleted files in windows?

viii. What do you know about desktop?

ix. Explain control panel in windows.

x. Define word processor.

xi. What is meant by editing a document?

xii. How does insert mode differ from overtype mode?

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

2 x 6 =12

i. Define electronic banking.

ii. Write two benefits of using CAD in industry.

iii. List two uses of computer in Airline system.

iv. What is computer aided learning(CAL)?

v. Define function in MS excel.

vi. What is cell reference?

vii. Write a function in MS excel for adding five numbers.

viii. Define search engine.

ix. Write two limitations of e-mail.

Section -II

Note: Answer any three questions from the following.

8x3=24

5. Define pointing devices.Discuss any three pointing devices in detail.

08

6. Describe computer network.Discuss any three components used in LAN.

08

7. Write a note on modem.Describe its working and features.

08

8. What is ROM?Discuss its different types.

08

9. Describe different types of viruses.

08

Section -III (Practical)

5x3=15

Note:Answer any three parts from the following.

10.A. How do we change date and time in MS-Window?

B. Write a procedure to insert Header and Footer in MS-Word document.

C. Write a procedure to change line spacing in MS-Word document.

D. Write a procedure for rotating and wrapping text in a cell in MS-Excel worksheet.

E. Write a procedure to insert a new worksheet in MS-Excel workbook and rename it.