Computer Science (Objective Type)

Time: 20 Minutes

Ru-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 trasmission

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 prsonal idetification?

(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

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 compoents 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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