



RM-7907

B. E. IV (Sem. VIII) (T.T.) Examination

May / June – 2010

Elective : CAD/CAM

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. E. 4 (Sem. 8) (T.T.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Elective : CAD/CAM"/>	<input type="text"/>
Subject Code No. : <input type="text" value="7"/> <input type="text" value="9"/> <input type="text" value="0"/> <input type="text" value="7"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="Nil"/>	

- (2) Answers to the **two** sections must be written in **separate** answer books.
- (3) Figures to the **right** indicate full marks.
- (4) Tie **two** sections **separately**.

Q1a.) Fill in the blanks : [10]

- A scanner which identifies 256 unique shades of primary colour has \_\_\_\_\_ Dynamic Range.
- Scanner with optical resolution gives \_\_\_\_\_ quality of image as compared to a scanner with mechanical resolution.
- Power consumption of LCD monitor is \_\_\_\_\_ than CRT monitor.
- The output of Ink Jet printer ranges from \_\_\_\_\_ to \_\_\_\_\_ CPS.
- CRT monitors are based on two technologies, namely, shadow mask and \_\_\_\_\_.
- Monitor is \_\_\_\_\_ device.
- On the basis of printing technology, the printers are classified as \_\_\_\_\_ & \_\_\_\_\_.
- CCDs are the heart of any \_\_\_\_\_.
- OCR stands for \_\_\_\_\_.
- In CRT monitor, yoke of magnetic coils is provided for \_\_\_\_\_.

Q1b.) State the phase wise developments taken place in the area of software solutions for [10] designing.

Q2.) Classify printers and state the advantages and disadvantages of each printer. With the [15] help of neat diagrams, explain different types of printers in detail.

OR

RM-7907]

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[Contd...

Q2 .) Classify scanners and explain the same in detail. Discuss various parameters to be considered at the time of selection of any scanner. [15]

Q3 .) Write Short Notes on : (Any three) [15]

- i. Comparison between On- & Off- Line UPS
- ii. Different types of output devices
- iii. Line Interactive & Off-line UPS
- iv. Handloom fabrics – ways & means for enhancing its competitiveness in the market

## SECTION - II

Q4a.) Answer the following: [10]

State True or False for the following:

- i. Iostream.c is a header file.
- ii. Good Quality scanning reduces the time for editing.
- iii. Cout<<" " is used for displaying any message within quotes.
- iv. A file having .bmp extension supports a graphic file.
- v. True colours are supported by 1 bit mode.

Fill in the blanks for the following:

- vi. \_\_\_\_\_ is the shortcut key for executing C++ program.
- vii. A file having .tiff extension supports a \_\_\_\_\_ file.
- viii. 16 colours are facilitated by \_\_\_\_\_ bit mode.
- ix. As the dpi in an image file increases, the file size in bytes \_\_\_\_\_.
- x. The process by which weave is inserted to a design is called as \_\_\_\_\_.

Q4b.) Describe in detail the main features of any one CAD software used for developing dobby designs. [10]

Q5 .) Write a program which will generate the testing reports for all the tests carried out to check fabric properties. [15]

OR

Q5 .) Write a program which will generate reports regarding various details in a weaving shed. [15]

Q6 .) Write Short Notes on : (Any three) [15]

- i. Electronic Card Punching Machine.
- ii. Digital Printing.
- iii. Features of Cadvantage Win Printex.
- iv. Steps involved in development of jacquard designs using and CAD software.