KUMARAGURU
college of technology
character is life

B.TECH DEGREE EXAMINATIONS: APRIL 2018

(Regulation 2014)

Eighth Semester

FASHION TECHNOLOGY

U14FTE401: Application of Computers in Apparel Industry

COURSE OUTCOMES

CO1: Acquire knowledge on basics of computer, CAD / CAM applications in apparel design and in manufacturing.

CO2: Identify and apply the CAD / CAM process in apparel designing and manufacturing.

CO3: Analyse the designs and developing new designs and requirements.

CO4: Acquire knowledge on different types of management systems in computer aided applications.

CO5: Applying the new concepts of CAD systems.

Time: Three Hours   **Maximum Marks: 100**

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Matching type item with multiple choice code   CO1   [K$_4$]

List I	List II
A. Processor	i. Memory for storing files and installing programs
B. RAM	ii. Memory for workspace
C. Hard drive	iii. Plug-in external devices
D. USB port	iv. Speed of the system

	A	B	C	D
a)	ii	i	iii	iv
b)	iii	iv	ii	i
c)	ii	iv	iii	i
d)	iii	i	ii	iv

2. The capacity of 3.5 inch floppy disc is _____   CO1   [K$_2$]

   a)   1.40 GB   b)   1.40 MB

   c)   1.44 MB   d)   1.44 GB

3. Select the no paper technology   CO2 [K₃]

      i) Barcode

      ii) Computer aided marker making software

      iii) RFID

      iv) E-mail

      v) E-catalogue

a)   ii, iii, iv, v   b)   i, iii, iv, v

c)   i, ii, iii, iv, v   d)   iv, v, iii

4. _____ will be the grade point movement for the grade point on the center front CO3 [K₂] hemline of a front bodice with an increase in the length of 0.5 cms. (K2) (CO1)

a)   (0, 0)   b)   (0,-.5)

c)   (-.5, 0)   d)   (0, 5)

5. Assertion: Hard disk packs are utilized by banks and credit card companies   CO2 [K₄]

Reason: They have massive storage capacities and are removable

a)   Both A and R are true and R is the correct explanation of A   b)   Both A and R are true and R is not the correct explanation of A

c)   A is true but R is false   d)   A is false but R is true

6. _____ is the grading method illustrated below   CO3 [K₂]

a)   Small to large incremental   b)   Up-down incremental

c)   Up-down cumulative   d)   Small to large cumulative

7. Sequence the following processes while designing a woven fabric in Lectra's Kaledo software   CO5 [K₂]

    I.   Warp and weft input windows can be used to input the data

    II.   Select the colors in the color palette

   III.   Select the desired weaves for the fabric library

   IV.   Weave editor helps to create our own weave repeats and store in the weave library

Select the desired variety of yarns from the yarn library

a)   IV, III, II, I, V   b)   I, II, IV, V, III

c)   II, V, IV, III, I   d)   I, II, III, IV, V

8. This is one of the limitations of M-commerce.   CO4   [K$_2$]

   a) Technology improvement in various smart phones   b) Chances of data transfer hacking

   c) Users don't have to go to the physical store   d) Variety of brands accessed through mobile for comparison

9. Statement 1 (S1): E-commerce is purchasing, selling and exchanging services over computer network or internet through which transaction or terms of sale are performed electronically.   CO4   [K4]

   Statement 2 (S2): All on-line stores are examples of e-commerce[CO$_4$K$_4$]

   a) A is false but R true   b) A is true but R is false

   c) A and R are true   d) A and R are unrelated

10. An apparel industry requires a system which can select needles and thread tension according to the type of fabric. Which one of these can help them   CO5   [K$_3$]

   a) RFID   b) Automations with sensors

   c) Robot with Artificial intelligence   d) Virtual prototyping

PART B (10 x 2 = 20 Marks)

(Answer not more than 40 words)

11.	Write the significance of RAM	CO1	[K$_2$]
12.	Differentiate Vector and Raster graphics	CO1	[K$_2$]
13.	Furnish the flowchart of preparing a printing design using print software	CO2	[K$_2$]
14.	What is half drop generation in designing?	CO2	[K$_2$]
15.	What are the preparatory modules of any textile design software and what are their functions?	CO3	[K$_2$]
16.	Enlist the advantages of ERP.	CO5	[K$_2$]
17.	Write short notes on the advantages of the auto design generator of textronics software	CO4	[K$_1$]
18.	List the applications of a 3D body scanning system	CO3	[K$_3$]

19.   CO3   [K$_3$]

   What feature of an embroidery software can create this effect?

20. Discuss about E-Prototyping   CO5   [K$_3$]

Answer any FIVE Questions:-

PART C (5 x 14 = 70 Marks)

(Answer not more than 300 words)

Q.No. 21 is Compulsory

21. Give an elaborate discussion on the various output devices used.	CO1	[K₄]

21. Give an elaborate discussion on the various output devices used. — CO1 [K$_4$]

22. Brief on various types of networks along with their advantages — CO2 [K$_2$]

23. "UPS system is a very efficient MIS"- Furnish the features of UPS to support this statement — CO4 [K$_5$]

24. Discuss on the various features of embroidery software which improve the quality and aesthetics of an embroidery design. — CO2 [K$_3$]

25. Elaborate in 3D body scanning and virtual garmenting with reference to quick response to market. — CO5 [K$_3$]

26. Explain the features of E-commerce and M-commerce that have improved the apparel trade at a global level. — CO4 [K$_3$]

27. Prescribe the various possibilities of automation and pneumatics which could be incorporated in an apparel industry. — CO3 [K$_2$]

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