

Register Number.....

**B.TECH DEGREE EXAMINATIONS: NOV/DEC 2012**

Third Semester

**FASHION TECHNOLOGY**

FTY105: Pattern Engineering

**Time: Three Hours**

**Maximum Marks: 100**

**Answer All Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. Identify the incorrect statement.

- A: Final garment can be visualized in draping method of pattern making
- B: Modification of basic pattern is Flat pattern technique
- C: Commercial patterns are widely used cost effective patterns
- D: Pattern alteration ensures exact fitting

A)                      B)                      C)                      D)

2. State True or False

Statement A: Front rise is more than back rise

Statement B: Waist to hip measurement is around 21 cm

- A) Only statement A is true                      B) Only statement B is true
- C) Both statement A and B are true                      D) Both statement A and B are False

3. Drill hole mark represents \_\_\_\_\_

- A) cutting line                      B) stitching line                      C) Dart leg                      D) Dart tip

4. Match the following

<u>Location</u>	<u>Seam allowance</u>
Extreme curves	3/8"
Overlock seam	3/4"
Armhole with sleeve	1/2"
Side seam	1/4"

5. Match the following

- 1. Front of garment                      a. Both the sides
- 2. Back of garment                      b. One side
- 3. Symmetric design                      c. Right of the dress form

4. Bias designs d. Left of the dress form  
 A) 1-a, 2-c, 3-d, 4-b    B) 1-b, 2-c, 3-d, 4-a    C) 1-d, 2-a, 3-c, 4-b    D) 1-c, 2-d, 3-b, 4-a
6. While draping the bodice, the grain of the fabric which is to be pinned along the Centre front of the dummy is  
 A) Straight grain                      B) cross grain                      C) bias                      D) true bias

7. Match the following

- |   |   |                    |
|---|---|--------------------|
| 1) Two darts at shoulder                    | - | A) combining darts |
| 2) One dart at waistline and one at armscye | - | B) Dividing darts  |
| 3) One dart at waistline                    | - | C) Gathers         |
| 4) Slashing and spreading                   | - | D) princess line   |
- A) 1 – B, 2 – D, 3 – A, 4 – C                      B) 1 – D, 2 – C, 3 – A, 4 – B  
 C) 1 – D, 2 – A, 3 – C, 4 – B                      D) 1 – B, 2 – C, 3 – A, 4 – D

8. Dart manipulation technique is not used for -----

- A) Pattern alteration                      B) flat pattern technique  
 C) developing designs                      D) Restoring fitting

9. If the neck width of a T-shirt pattern is 7", 8" & 9" for the sizes S, M & L respectively, the decrements and the increments applied in 1/4<sup>th</sup> pattern for small and large patterns are

- \_\_\_\_\_
- A) 0.25"                      B) 0.5"                      C) 0.75"                      D) 1"

10. Choose the pattern alteration for a person with broad shoulder

- A) Slash the pattern from armscye to shoulder and spread  
 B) Slash the pattern from armscye to shoulder and overlap  
 C) Slash the pattern from shoulder to armscye and spread  
 D) Slash the pattern from shoulder to armscye and overlap

**PART B (10x2=20 Marks)**

11. Compare drafting and draping methods of pattern making.  
 12. State the merits and demerits of commercial pattern.  
 13. Define and illustrate a basic pattern set.

14. Differentiate between working pattern and production pattern
15. Outline the different types of muslin fabrics used for draping and mention their application.
16. Illustrate the taping procedure for draping a trouser and also give the grain line alignment
17. Differentiate between slash & spread method, pivot method and measurement method.
18. State the importance and advantages of dart manipulation and list out the various forms into which a dart could be converted.
19. How to increase the length and width of a bodice pattern?
20. Differentiate between 2D and 3D grading and suggest a suitable type of grading for tight fitting garment

**PART C (5x14 =70 Marks)**

21. a) Explain the method of taking body measurements for the following garments with Illustration.

- (i) Ladies skirt & tops
- (ii) Men's shirt

**(OR)**

b) Give a detailed account on the following

- (i) Principles of pattern drafting
- (ii) Size chart for women

22. a) Explain the method of drafting a basic block pattern for men

**(OR)**

b) Elaborate on the grain lines, its types, pattern details and their importance.

23. a) Explain the method of preparing dress form for draping and also state the measures to be taken to ensure balanced draping

**(OR)**

b) Give the step by step procedure for draping cowl neckline and shawl collar

24. a) How will you introduce fullness in the garment by dart manipulation technique using

slash and spread method? Explain it with any three designs

**(OR)**

b) Design and develop three princess style line patterns (from neckline, armhole and shoulder) by manipulating darts from basic pattern using pivot method.

25. a) Grade a basic bodice front and back pattern to next five sizes assuming the required Measurements

**(OR)**

b) Analyse the common fitting problems occurring in blouse and rectify it by altering the basic blouse pattern.

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