



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/B.Tech (APM)/SEM-4/APM-406/2011**

**2011**

**PATTERN MAKING**

*Time Allotted : 3 Hours*

*Full Marks : 70*

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

**GROUP – A**

**( Multiple Choice Type Questions )**

1. Choose the correct alternatives for the following :  $10 \times 1 = 10$ 
  - i) "French Dart" is located
    - a) at centre front neck
    - b) at centre back waist
    - c) at side of waist
    - d) at mid armhole.
  - ii) A wedge shape cut out in a pattern to control fit of a garment is
    - a) pleat
    - b) fish dart
    - c) notch
    - d) dart.
  - iii) A vertical line that is at right angles with the floor, used to determine the balance of the figure is a
    - a) plumb line
    - b) vertical line
    - c) perpendicular line
    - d) balance line.



- iv) The distance from biceps to the top of sleeve at grain line is
- a) elbow level                      b) biceps level  
c) cap height                        d) grain line.
- v) Cap ease ranges between ..... depending on size.
- a)  $1\frac{1}{4}$ " to  $1\frac{1}{2}$ "                      b) 1" to 2"  
c)  $1\frac{1}{2}$ " to  $2\frac{1}{2}$ "                      d)  $\frac{1}{2}$ " to 1"
- vi) Seam allowances for all faced areas, sleeveless armhole, narrow spacing and extreme curves are
- a)  $1\frac{1}{4}$ "                                      b)  $\frac{1}{4}$ "  
c)  $\frac{1}{2}$ "                                        d)  $\frac{1}{8}$ "
- vii) The act of placing lines on a traced copy of the working pattern relating directly to the design feature is
- a) pattern manipulation  
b) design pattern  
c) pattern plot  
d) pattern.
- viii) A partially stitched, inverted dart is
- a) pleat                                      b) tuck dart  
c) tuck dart cluster                      d) pin tuck.
- ix) Darts of varying length within a group is
- a) graduated darts                      b) radiating darts  
c) parallel darts                         d) fish darts.



- x) Working pattern consists mainly of
- basic back and front bodice, skirt and sleeve and other patterns derived from them
  - only basic sleeve
  - only basic bodice
  - none of these.

**GROUP - B**

**( Short Answer Type Questions )**

Answer any *three* of the following.  $3 \times 5 = 15$

- Discuss the different pattern making tools.
- What are the variations of collars ? Explain in brief how these variations are made in pattern.
- What is computer aided grading and sizing of garments ?
- What are the importance of notches and grain lines of fabrics in garment manufacture ?
- Write short notes on sleeve variations and body landmarks during pattern making adopting those variations.
- What is seam allowance and its importance ? How is seam allowances considered in market plan ?
- What is a dart and how are darts shown in pattern ?
- What is master pattern and its utility ?



**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

10. Explain the importance of taking body measurement. What is a size chart and what do you understand by different measurements of different body parts according to sizes ? ( list those parameters ).
11. What is dart manipulation ? Elaborate on types of dart manipulation methods. Show how different darts are shown in pattern.  $4 + 4 + 7$
12. State and elaborate the principles and technology of grading and sizing of garments. Why computer aided grading is more efficient than the manual type ?
13. Elaborate on manipulation as seen through pivotal points and as gathers, tucks, pleats and flares. State how these can be shown in pattern.
14. What are the basic principles and methodology used to draft standard size block patterns for men, women and kids wear ?
15. Why is marker plan required in repeated multiple numbers ? Discuss how by proper layout of marker plants wastage of fabric can be reduced. What is marker plan efficiency and how can it be improved ? What are the covers needed for spreading of fabrics so that the fabric can be cut efficiently ?

$2 + 5 + 4 + 4$