

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2022
(First Semester)

Branch – COSTUME DESIGN & FASHION

FABRIC MANUFACTURING TECHNOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. Size add on % depends upon

- (i) machine speed (ii) Size concentration
(iii) yarn count (iv) all of these

2. Pick Insertion rate is high for _____.

- (i) Rapier (ii) Projectile (iii) air jet (iv) water jet

3. More suitable weave design for towel is

- (i) Plain (ii) twill (iii) satin (iv) huck a back

4. _____ needle is a self-acting needle.

- (i) latch (ii) spring beard
(iii) compound (iv) all of these

5. Movement of guide bar from back to front and vice versa is known as .

- (i) Shogging (ii) swinging (iii) knitting (iv) all of these

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

11. a. Discuss about the types of warping.

OR

b. Explain about the objectives of winding.

12. a. Discuss about multi-phase weaving.

OR

b. Explain about the dobby shedding.

13. a. State about gauze and leno principles

OR

b. Discuss about pile fabrics

14. a. Discuss about the classification of knitting machines.

OR

b. Explain about advances in weft knitting.

Cont...

15. a. Discuss about seamless garments.

OR

b. Explain about any three warp knit structures.

SECTION -C (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks (5 x 6 = 30)

16. a. Assess the functions of various size ingredients used in preparing size paste.

OR

b. Differentiate single end sizing machine and multi cylinder sizing machine.

17. a. Compare various categories of jacquard shedding.

OR

b. Analyse the merits and demerits of various shuttle less weaving techniques.

18. a. Construct design, draft and peg plan for 4/3 twill weave.

OR

b. Construct 7 end satin with different step number.

19. a. Differentiate flat knitting and circular knitting.

OR

b. Compare the properties various weft knit structures

20. a. Differentiate Tricot and raschel knitting .

OR

b. Analyse the causes for various knitting defects and recommend solution to rectify thesame.

Z-Z-Z END