

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018  
(Fourth Semester)

Branch - COSTUME DESIGN & FASHION

NON WOVEN & NANOTECHNOLOGY

Time : Three Hours

Maximum : 75 Marks

Answer ALL questions

ALL questions carry EQUAL marks . (5 x 15 = 75)

- 1 a Explain in detail the types of Non-wovens.  
OR  
b Explain the production of non woven by Spun Bonding technique.
- 2 a Describe the application of Non-woven\* s in Industrial textiles.  
OR  
b Explain the applications of Non-woven\* s in Medical textiles.
- 3 a Briefly explain the basic concept and scope of Nanotechnology.  
OR  
b Write the novel properties of materials at Nano scale.
- 4 a Describe  
(i) Nano fibres (5)  
(ii) Smart and multifunctional textiles (10)  
OR  
b Briefly explain the UV-visible spectroscopy and electro spinning technique.
- 5 a Give an account on types of Nano particles used in textiles.  
OR  
b Explain how nano particles used in  
(i) Water and Oil repellency (7)  
(ii) Antimicrobial finish (8)

Z-Z-Z

END