

315387

12526

3 Hours / 70 Marks

Seat No. 

--	--	--	--	--	--	--	--

- 
- Instructions* – (1) All Questions are *Compulsory*.  
(2) Answer each next main Question on a new page.  
(3) Illustrate your answers with neat sketches wherever necessary.  
(4) Figures to the right indicate full marks.  
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

1. Attempt any FIVE of the following : 10
- a) Define non-woven fabric.
  - b) List any two methods of web bonding.
  - c) Enlist raw material used for technical textile production.
  - d) List any four characteristics of fibres used in medical textile.
  - e) State the application of mulch net.
  - f) List any two application of military textiles.
  - g) State any four properties required to construct the parachute fabric.

P.T.O.

**2. Attempt any THREE of the following : 12**

- a) Discuss the characteristics of non-woven fabric with examples.
- b) Give the classification of technical textile.
- c) Explain the function and application of health care and hygiene textile products.
- d) Describe the use of following agrotextiles,
  - i) Ground net
  - ii) Harvesting net
  - iii) Cold and frost control net
  - iv) Anti hailstone net

**3. Attempt any THREE of the following : 12**

- a) Describe the physical and chemical properties of any two fibres used in geotextiles.
- b) Differentiate between implantable and non-implantable medical textiles.
- c) Explain the use of following agrotextiles nets.
  - i) Plant net
  - ii) Bird protection
  - iii) Root ball net
  - iv) Monofil nets
- d) State the concept of integrated combat clothing.

- 4. Attempt any THREE of the following :** **12**
- a) Explain in detail historical background of nonwoven.
  - b) Describe the applications of Geo textile.
  - c) Give short note on extracorporeal devices and their textile components.
  - d) Explain classification of automotive textile based on their application.
  - e) Describe the working principles of parachute fabric and list the name of commonly used fibers.
- 5. Attempt any TWO of the following :** **12**
- a) Explain in detail the thermal bonding process along with methods such as hot calendering and oven bonding.
  - b) Explain functional properties of geotextile in detail with real life uses.
  - c) Explain the essential requirements for satisfactory artificial implants such as sutures, soft tissue implant, orthopedic and cardiovascular implants.
- 6. Attempt any TWO of the following :** **12**
- a) Compare spunbond and melt-blown technologies with respect to their properties and applications.
  - b) Give the technical specifications of seat covers and seat belts.
  - c) Explain the manufacturing process of ballistic protection fabric along with fiber selection criteria.
-

315389

12526

3 Hours / 70 Marks

Seat No. 

--	--	--	--	--	--	--	--

- 
- Instructions* – (1) All Questions are *Compulsory*.  
(2) Answer each next main Question on a new page.  
(3) Illustrate your answers with neat sketches wherever necessary.  
(4) Figures to the right indicate full marks.  
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

1. Attempt any FIVE of the following : 10
- a) Enlist the contents of EXIM policy.
  - b) Name any two transportation documents used in exports.
  - c) List the goods categories that require special import license.
  - d) Name any two import duty remission schemes.
  - e) State the difference between C and F and CIF pricing in Incoterms.
  - f) Give condition for a manufacturing unit to be exempted from Central Excise clearance.
  - g) Give any four optional services provided by clearing and forwarding agent.

P.T.O.

- 2. Attempt any THREE of the following :** **12**
- a) Enlist steps in export procedure.
  - b) State the concept of letter of credit.
  - c) Highlight any four principles of restrictions by DGFT in import trade regulations.
  - d) Differentiate between quick and final costing for textile goods to be exported.
- 3. Attempt any THREE of the following :** **12**
- a) State the needs for import-export.
  - b) Explain certificate of Origin on following points -
    - i) Requirement
    - ii) Issuing authorities
  - c) Analyze the needs for -
    - i) Clean mates' receipt and
    - ii) Qualified mates' receipt
  - d) Identify the benefits of FOB pricing over Ex-works pricing.
- 4. Attempt any THREE of the following :** **12**
- a) Discuss the letter of credit (LC) on following points -
    - i) Parties involved
    - ii) Procedure of Issuance
  - b) Highlight the significance of issuing white, yellow and green bill of entry.
  - c) Differentiate between penetration and skimming pricing.
  - d) Select the party (buyer or seller) for following obligations in Incoterms for DDU pricing -
    - i) Packaging
    - ii) Export duty payment
    - iii) Insurance
    - iv) Import duty and clearance
  - e) Give main provisions of Foreign Exchange Management Act.

- 5. Attempt any TWO of the following :** **12**
- a) Explain any six functions of Apparel Export promotion council.
  - b) Explain the structure of Harmonised System Code Number with suitable example.
  - c) Enlist the major provisions in Advance License Scheme.
- 6. Attempt any TWO of the following :** **12**
- a) List any six hurdles for Indian exports.
  - b) Explain the procedure for excise clearance under claim of rebate with examination procedure.
  - c) Explain following types of pre-shipment inspections -
    - i) Consignment wise inspection
    - ii) In process quality control
-