

THIAGARAJAR POLYTECHNIC COLLEGE, SALEM

(Autonomous)

Reg. No.

April 2019 Examinations

DIPLOMA IN TEXTILE TECHNOLOGY

TEXTILE MANAGEMENT

Year/Sem: III / VI (EVEN-III)

Max. Marks : 75

Time : 3 hr.

PART-A**(5 x 2 = 10 Marks)****Note: (i) Answer any FIVE questions out of which question No.8 is compulsory.****(ii) All questions carry equal marks.**

- 1 Define Organization.
- 2 What are the 5M's of Management?
- 3 What are the Causes of Accidents?
- 4 What is HOK?
- 5 Why Work study is carried out in mills?
- 6 What is PP&C?
- 7 What is ordering cost?
- 8 What is AEPC?

PART-B**(5 x 3 = 15 Marks)****Note: (i) Answer any FIVE questions out of which question No. 16 is compulsory.****(ii) All questions carry equal marks.**

- 9 What is personnel management?
- 10 Differentiate a Leader and Manager.
- 11 What is Incentive and why it is given? Give Examples.
- 12 Mention any five factors affecting Site Selection of a Processing unit.
- 13 Give the advantages of good Lighting.
- 14 State any five principles of Material Handling.
- 15 Mention any three differences between Marketing and Selling.
- 16 What is Snap Study? Give example.

PART-C**(5 x 10 = 50 Marks)****Note: (i) Answer all the questions choosing either sub-division (A) or sub-division (B) of each question.****(ii) All divisions carry equal marks.**

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|----|---|--|----|
| 17 | A | Explain the principles of Management in detail. | 10 |
| | | (OR) | |
| | B | Explain the selection and training process in the Textile industry in detail. | 10 |
| 18 | A | Explain the various measures of solving disputes in Industry. | 10 |
| | | (OR) | |
| | B | Explain the different types of Wage payment in a Spinning Mill. State its Merits and demerits. Give an example. | 10 |
| 19 | A | Explain the Principles of good Lay-out. Explain the Process Lay-out with its merits and Demerits. Give an example. | 10 |
| | | (OR) | |
| | B | Explain the procedure for conducting Method Study in detail. | 10 |
| 20 | A | Define Costing. Explain the different methods of Costing in detail. | 10 |
| | | (OR) | |
| | B | Explain the Break Even Analysis in detail. | 10 |
| 21 | A | Explain the salient features of EXIM policy of India. | 10 |
| | | (OR) | |
| | B | Explain the Export Procedure in detail while executing an overseas order. | 10 |

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DIPLOMA IN TEXTILE TECHNOLOGY

Advanced Textile Manufacture

Year/Sem: III / VI (EVEN-III)

Max. Marks : 75

Time : 3 hr.

PART-A**(5 x 2 = 10 Marks)**

**Note: (i) Answer any FIVE questions out of which question No.8 is compulsory.
(ii) All questions carry equal marks.**

- 1 What are the advantages of Compact Spinning?
- 2 What is the working principle of Two-for-one Twister?
- 3 State the functions of opening roller.
- 4 State the working principle of Water jet picking system.
- 5 Mention the different types of selvages formed in shuttle less loom.
- 6 State the classifications of Non Woven.
- 7 What do you know about Geo membrane?
- 8 Calculate the back doubling of a rotor yarn with the following particulars:
Twist per meter of yarn = 902 Rotor diameter = 54 mm

PART-B**(5 x 3 = 15 Marks)**

**Note: (i) Answer any FIVE questions out of which question No. 16 is compulsory.
(ii) All questions carry equal marks.**

- 9 What do you know about core spun yarn and melange yarn?
- 10 What do you know about wrapping fibres in rotor spinning?
- 11 State the principle of operation of Air Vortex spinning.
- 12 What are the different types of weft accumulators?
- 13 State the principle of different rapier weft insertion system.
- 14 Mention the classification of Technical Textile.
- 15 State the application of Geo Textiles.
- 16 What is the principle of thermal bonding process?

PART-C**(5 x 10 = 50 Marks)**

Note: (i) Answer all the questions choosing either sub-division (A) or sub-division (B) of each question.

(ii) All divisions carry equal marks.

- 17 A Explain the purpose and working of ring data monitoring device with a neat sketch. 10
(OR)
B Explain the passage of material through Two - for - one Twister with a neat sketch. 10
- 18 A Trace the passage of material through a rotor spinning machine and explain its working. 10
(OR)
B With a neat sketch explain the principle and working of DREF - 3 machine. 10
- 19 A i) Describe the passage of warp yarn through Air jet loom with a neat sketch. 7
ii) Mention the limitations of Air jet weaving system. 3
(OR)
B What are the different steps involved in weft insertion in projectile shuttleless loom. Explain them with neat sketch. 10
- 20 A With neat sketches explain dry laid, wet laid and random laid web formation. 10
(OR)
B What are the various applications of Medical Textiles? Explain. 10
- 21 A Explain the applications of Transportation textiles. 10
(OR)
B Write short notes on : 10
i) Camouflage dress ii) Chemical protective clothing

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DIPLOMA IN TEXTILE TECHNOLOGY

Garment Quality Control and Merchandising

Year/Sem: III / VI (EVEN-III)

Max. Marks : 75

Time : 3 hr.

PART-A**(5 x 2 = 10 Marks)****Note: (i) Answer any FIVE questions out of which question No.8 is compulsory.****(ii) All questions carry equal marks.**

- 1 Define Quality Control.
- 2 Give the abbreviation for AAMA and ASQC.
- 3 How will you test the fabric sewability?
- 4 Write the importance of care labeling system.
- 5 State the element of cost.
- 6 Mention the few responsibilities of Merchandiser.
- 7 State the different types of sample development in a garment unit.
- 8 What do you mean by merchandising planning?

PART-B**(5 x 3 = 15 Marks)****Note: (i) Answer any FIVE questions out of which question No. 16 is compulsory.****(ii) All questions carry equal marks.**

- 9 What is quality audit?
- 10 Give the name of few Garment Testing.
- 11 Explain Eco-labelling.
- 12 Brief about the garment costing.
- 13 What is sample developing process?
- 14 Explain the skill of merchandising.
- 15 What is retail merchandising?
- 16 Give an account of stain release test.

PART-C**(5 x 10 = 50 Marks)****Note: (i) Answer all the questions choosing either sub-division (A) or sub-division (B) of each question.****(ii) All divisions carry equal marks.**

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|----|---|--|----|
| 17 | A | Write in detail about four point and ten point system of fabric Inspection. | 10 |
| | | (OR) | |
| | B | Describe the major and critical defects that occur in garment making. | 10 |
| 18 | A | Explain the testing of dimensional changes in fabric due to laundering. | 10 |
| | | (OR) | |
| | B | How will you test the water resistance and water repellency? | 10 |
| 19 | A | Explain about the different system of care labeling and explain any four with a neat sketch. | 10 |
| | | (OR) | |
| | B | Explain CMT charges for various styles. | 10 |
| 20 | A | Discuss in detail about the role and responsibilities of merchandiser in garment industry. | 10 |
| | | (OR) | |
| | B | Explain the process and types of approval in a garment Industry. | 10 |
| 21 | A | Explain the development and analysis of six month Merchandiser Plan in garment industry. | 10 |
| | | (OR) | |
| | B | Explain the following: | 10 |
| | | i. Direct Order ii. Merchand Order iii. Purchase order | |