

Scheme - I

Sample Question Paper

Program Name : Diploma in Textile Manufacture
Program Code : TX
Semester : V
Course Title : Environmental and Energy Friendly
Textile Technologies
Max. Marks : 70

22584

Time: 3 Hrs.

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FIVE of the following.

10 Marks

- a. State the scope of environment and its importance.
- b. State and explain eco friendly fibres with examples.
- c. What are the objectives of sustainable textile.
- d. Define term eco labeling and enlist standards.
- e. State advantages of natural dyes.
- f. Explain in short health and safety measures in textile units.
- g. State object of energy management in textile.

Q.2 Attempt any Three of the following.

12 Marks

- a. Describe recent innovations in eco fabrics.
- b. Describe limitations of eco labeling and state standards.
- c. Draw Material safety data sheet of any chemical used in textile processing.
- d. Explain life cycle assessment.

Q.3) Attempt any Three of the following.

12 Marks

- a. Differentiate between natural and synthetic dyes.
- b. Describe the aspects of waste management in textile units.
- c. Explain waste water treatment steps for textile unit.
- d. State the importance of material recycling in textile industries.

Q.4) Attempt any Three of the following.

12 Marks

- a. Explain noise control measures used in textile units.
- b. Explain the public awareness and factors of eco labeling.
- c. Describe any four factors affecting eco labeling standards.
- d. Describe methods of air pollution control in textile industries.
- e. What are the essential requirements of sustainability in textile.

Q.5) Attempt any Two of the following.

12 Marks

- a. Explain used clothing market and conversion of new products.
- b. Describe any three human health hazards in textile units and their control.
- c. Describe measures to reduce impacts of dyes in ecosystem.

Q.6) Attempt any Two of the following.

12 Marks

- a. Explain aspects of efficient energy utilization in different textile units.
- b. Describe scope of use of renewable in textiles and describe recent advances.
- c. Explain in detail aspects of and resource sustainability environment friendly textiles.

Scheme - I

Sample Test Paper - I

Program Name : Diploma in Textile Technology
Program Code : TX
Semester : Fifth
Course Title : Environmental and Energy Friendly
Textile Technologies
Max. Marks : 20

22584

Time: 1 Hour

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FOUR.

08 Marks

- a. State the scope of environment and eco friendly textile.
- b. Classify eco friendly fibres.
- c. State impact of dyes on ecosystem.
- d. State any two disadvantages of natural dyes over synthetic.
- e. Explain natural sources of fibres.
- f. State recent innovations in eco fabric manufacture

Q.2 Attempt any THREE.

12 Marks

- a. Describe any two ecolabelling standards.
- b. Explain solid waste management aspects for textile.
- c. Explain life cycle assessment tool for clothing products.
- d. Explain recycling and its advantages in processing units in textiles.
- e. Differentiate natural and synthetic dyes with origin and applications.

Scheme - I

Sample Test Paper - II

Program Name : Diploma in Textile Technology
Program Code : TX
Semester : Fifth
Course Title : Environmental and Energy Friendly
Textile Technologies
Max. Marks : 20

22584

Time: 1 Hour

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FOUR.

08 Marks

- a. Define pollution and explain sources of air pollution in textile operations.
- b. State impacts of dyes and chemicals on ecosystem.
- c. Define life cycle assessment.
- d. State types of pollution in textile units.
- e. State control of various types of pollution in textile units.
- f. State current advances in sustainable energy utilization in textile industries.

Q.2 Attempt any THREE.

12 Marks

- a. Describe the need of renewable energy in textile with applications.
- b. Describe green energy policies.
- c. Explain resource sustainability aspects in textile manufacture.
- d. Describe the scope of utilizing solar power in textile units.
- e. Describe importance of carbon foot print tool in textile industries and current trend of development.