

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

DIPLOMA IN HANDLOOM & TEXTILE TECHNOLOGY

BARGARH/GUWAHATI/JODHPUR/SALEM/SHANTIPUR/VARANASI/CHAMPA/KANNUR/KHITIGADAG/SPKM IIHT/VENKATAGIRI

ANNUAL/SEMESTER EXAMINATION –NOV/DEC2017

(2014 – Regulation)

4.4 ECOLOGY AND POLLUTION CONTROL IN TEXTILE INDUSTRY

Time: 3Hours

Max Marks: 80

PART-A

Answer all the questions in two or three sentences.

(10 X 2 = 20)

1. Define Pollutant.
2. Name the various pollution in the environment.
3. What are secondary pollutants?
4. Give the causes of Air Pollution.
5. What is effluent ?
6. What is TDS? Give the reason for increasing TDS value in effluent?
7. What is coagulating agent? Give an example
8. What is sludge?
9. Give the unit used to measure noise levels .
10. Give any two Eco-Standards in Textiles.

PART-B

Answer all the questions in detail.

(12 X 5= 60)

11. A) Write shortly about stratosphere. (4)
B) Explain pollution in textile industry. (8)
Or
C) What is Photochemical Smog and give its ill effects. (4)
D) Explain Greenhouse Effect and its consequences. (8)
12. A) Tabulate indoor and outdoor air pollutants. (4)
B) Define Air Quality Standards and Give the National air quality standards of some important Air Pollutants residential and Industrial areas. (8)
Or
C) Give the various sources of Air Pollution in Textile Mill. (4)
D) Explain the sources and characteristics along with the hazardous effect on man and environment for any four important air pollutants. (8)
13. A) How will you determine BOD ? (4)
B) Give the various sources of waste water in wet processing. (8)

Or

- C) Write short notes on Organic and Inorganic water pollutants? (4)
D) Give the characteristics of waste water from Textile industries. (8)

14. A) Give two methods of removal of colour from Textile dye house waste water. (4)
B) Explain the design and working of effluent treatment plant. (8)

Or

- C) Give the tolerance level of effluents in Wet Processing of Textiles (4)
D) Explain Flocculation and Sludge Treatment (8)

15. A) What are the causes and control of noise pollution? (4)
B) Explain the ill effects of noise pollution. (8)

Or

- C) Write briefly on Eco-standards and Eco-labels for textiles. (4)
D) Explain the new challenges towards achievements of rigid standards in Textile Processing Effluents. (8)

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BARGARH/FULIA/GUWAHATI/JODHPUR/SALEM/CHAMPA/KANNUR/KITTI, GADAG/SPKM IIHT VENKATAGIRI
DIPLOMA IN HANDLOOM & TEXTILE TECHNOLOGY
SEMESTER EXAMINATION NOV/DEC- 2017
(2011 REGULATION)

Semester: III Semester

Time: 3 Hours

Subject Code & Name: 3.4 Ecology and Pollution Control in Textile Industry Max.marks:80

PART -A

Answer all the questions:

(10 x 2 = 20)

1. Define Environment.
2. Name any two air pollutants in textiles.
3. What is Air Pollution?
4. What is PAN?
5. What is DO and give the optimum DO level in water?
6. Name the process in textile industry that produces alkaline waste.
7. Write any two examples of coagulating agent.
8. Name the methods of tertiary treatment of waste water.
9. Give the sources of noise pollution in textile industry.
10. What is dB?

PART -B

Answer all the questions in detail

(4+8)x5=60

11. a) Write short notes on Soil Pollution.
- b) Write shortly about the various segments of Environment.

Or

- c) Explain acid rain and its harmful effects.
- d) Explain Global Warming and its consequences.

12. a) Tabulate indoor and outdoor air pollutants.
- b) Define Air Quality Standards and give the National Air Quality Standards of some important air pollutants residential and industrial areas.

Or

- c) Give the various sources of Air Pollution in Textile Mill.
- d) Explain the sources and hazardous effect on man and environment for any four important air pollutants.

13. a) How will you determine COD?
b) Give the various sources of waste water in wet processing.

Or

- c) What are the various steps to reduce water consumption in Textile Industry?
d) Give the characteristics of waste water from Textiles Industries.

14. a) Give the tolerance level of effluents in Wet Processing of Textiles.
b) Explain solid wastes, its sources and sludge treatment.

Or

- c) Give two methods of removal of colour from Textile dye waste water.
d) Explain the design and working of effluent treatment plant.

15. a) Explain the new challenges of rigid standards in Textile Processing Effluents.
b) Explain the ill effects, preventive and control measures of noise pollution.

Or

- c) Give the objective of ISO 14000.
d) Write short notes on Eco-standards and Eco-labels for Textiles.

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BARGARH/GUWAHATI/FULIA/JODHPUR/SALEM/VARANASI/CHAMPA/KANNUR/KHTI GADAG/SPKM

VENKATAGIRI

DIPLOMA IN HANDLOOM & TEXTILE TECHNOLOGY

SEMESTER EXAMINATION APRIL/MAY-2017 (2014-REGULATION)

Time : 3 Hours

Max. Marks : 80

IV SEMESTER

**4.4 ECOLOGY & POLLUTION CONTROL
IN TEXTILE INDUSTRY**

Part – A

Answer all the questions within two to three sentences.

2 x 10 =20 Marks

- 1 What is biosphere?
- 2 Write any two radio-nuclides.
- 3 What are the effects of chlorine as air pollutant?
- 4 Tabulate the Air Quality Standard in India.
- 5 Define water pollution.
- 6 Expand DO,BOD,COD & TDS.
- 7 What is the importance of coagulant?
- 8 Define reverse osmosis.
- 9 State any two Eco-Standards in textiles.
- 10 Elaborate EMS & ISO.

PART-B

12 x 5= 60 Marks

- 11 A) Explain the term "Global Warming". (4)
B) Write short notes on acid precipitation. (8)
(OR)
C) How are radio-active elements harmful to human beings? (4)
D) Explain any four processes and pollutants released from textile industries. (8)
- 12 A) Classify air pollutants. (4)
B) Name any four air pollutants and their severe effects on humans. (8)
(OR)
C) Write the sources of indoor air pollutants. (4)
D) Write the sources of Air Pollution in a Textile Mill. What are the various equipments to control particulates? (8)

- 13 A) How is COD determined in the water sample? (4)
B) Explain the sources of waste water in wet processing. (8)
(OR)
C) Write short notes on organic and inorganic water pollutants. (4)
D) How will you reduce water consumption in textile industries? (8)
- 14 A) Design Effluent Treatment Plant. (4)
B) Write briefly about the environmental effects of waste water. (8)
(OR)
C) Explain various methods of removal of colour from textile dye house waste. (4)
D) Define the followings: (8)
i) Mechanical flocculation
ii) Chemical coagulation
iii) Neutralization
iv) Sludge treatment
- 15 A) Define noise pollution and how will you control noise pollution in textile industry? (4)
B) Explain the new challenges of rigid standards in textile industry. (8)
(OR)
C) Write objectives of ISO 14000. (4)
D) State and explain the physical and psychic disorder of noise pollution. (8)



3.4 ECOLOGY AND POLLUTION CONTROL IN TEXTILE INDUSTRY

TIME: 3 Hours

Max. Marks: 80

PART A

I. Answer all the questions in two or three sentences.

(2 x 10=20)

- i. Define radiation pollution.
- ii. Name any four pollutants in textiles.
- iii. Write the air quality standard in India.
- iv. What is air pollution.
- v. Define BOD.
- vi. Classify water pollutants.
- vii. What is a coagulant? Give example.
- viii. Write preliminary treatment of waste water.
- ix. Define noise pollution.
- x. Elaborate EMS and ISO.

PART B

Answer all the questions in detail.

- II. a. Write short notes on hydrosphere and biosphere. (04)
b. Explain the environmental pollution in textile industry. (08)

OR

- c. What is greenhouse effect? Write its consequences. (04)
d. How is acid rain otherwise called? How is it called? What are its bad effects on man and his environment? (08)

- III. a. Write the sources of CO, SO_x, NO_x and CH₄ (04)
b. Explain the air pollutants in a textile mill. (08)

OR

- c. Classify air pollutants. (04)
d. Tabulate outdoor and Indoor air pollutants. (08)

- IV. a. Write short notes on waste water in wet processing. (04)
b. How will you determine BOD and COD? (08)

OR

- c. State various methods in waste reduction. (04)
d. Explain the classification of water pollutants. (08)

- V. a. Design effluent treatment plant. (04)
b. Write notes on the followings. (08)
(i) Flocculation (ii) Neutralisation
(iii) Reverse Osmosis (iv) Eutrophication

OR

- c. Tabulate the tolerance levels of effluents in wet processing of textiles. (04)
d. Write the impact of water pollution on marine life. (08)
- VI. a. What are the basic requirements of ISO 14000 series? (04)
b. Write short notes on Eco-standards and Eco-labels for textiles. (08)

OR

- c. What are the effects of noise pollution? (04)
d. Explain the new challenges towards achievements of rigid standards in Textile effluents. (08)



INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

BARGARHETULIA GUWAHATI JODHPUR SALEM VARANASI CHAMPAKANNUR KHITLADAG SPKMIHIT VENKATGIRI

DIPLOMA IN HANDLOOM AND TEXTILE TECHNOLOGY FOURTH SEMESTER (NEW SYLLABUS) EXAMINATION – APRIL/MAY-2016 4.4 ECOLOGY AND POLLUTION CONTROL IN TEXTILE INDUSTRY

Time: 3 Hours

Max. Marks: 80

PART-A

Answer all the questions in two or three sentences.

(10x2=20)

- Define Pollution.
- Name any two pollutants in Textiles.
- What is PAN?
- Give the causes of Air Pollution.
- What is DO and give its unit of expressed?
- What is TDS? Give the reason for increasing TDS value in effluent?
- What is coagulating agent? Give an example.
- What is sledge?
- Give the unit used to measure noise levels.
- Elaborate ISO and EMS.

PART-B

Answer all the questions in detail.

- Write shortly about stratosphere. 4
 - Explain pollution in textile industry. 8
- OR
- What is acid rain? Give its causes and harmful effect. 4
 - Explain Green house effect and its consequences. 8
- Tabulate indoor and outdoor air pollutants. 4
 - Define Air Quality Standards and Give the National air quality standards of some important Air Pollutants residential and Industrial areas. 8
- OR
- Give the various sources of waste water in wet processing. 4
 - Explain the sources and characteristics along with the hazardous effect on man and environment for any four important air pollutants. 8
- Give the various sources of waste water in wet processing. 4
 - How will you determine BOD and COD? 8
- OR
- What are the various steps to reduce water consumption in textile industry 4
 - Give the characteristics of waste water from Textile Industries. 8
- Give the methods of removal of colour from Textile dye waste water. 4
 - Explain the design and working of effluent treatment plant. 8
- OR
- Give the tolerance level of effluents in Wet Processing of Textiles. 4
 - Explain Flocculation and Reverse Osmosis Process. 8
- What are the causes and control of noise pollution. 4
 - Explain the new challenges towards achievements of rigid standards in Textile Processing Effluents. 8
- OR
- Write the objectives of ISO 14000. 4
 - Write briefly on Eco-standards and Eco-labels for textiles. 8

PART-A

Answer all the Questions within two to three sentences:

10x2=20

- I
- Define pollution.
 - Name any two pollutants in textiles.
 - What is SMOG?
 - Give the causes of Air Pollution.
 - What is TDS?
 - Define neutralisation.
 - Write any two examples of coagulating agent.
 - Name the effluent treatment methods.
 - Define noise pollution.
 - Elaborate ISO and EMS.

PART-B

Answer all the questions in detail:

- II
- Explain pollution in textile industry. 8
 - Write shortly about the various segments of Environment. 4
- OR
- What are Greenhouse Effect and its consequences? 4
 - Explain acid rain and its harmful effects. 8
- III
- Tabulate indoor and outdoor air pollutants. 4
 - Define Air Quality Standards and give the National Air Quality Standards of some important Air Pollutants residential and industrial areas. 8
- OR
- Give the various sources of Air Pollution in Textile Mill. 4
 - Explain the sources and characteristics along with the hazardous effect on man and environment for any four important air pollutants. 8
- IV
- Give the various sources of waste water in wet processing. 4
 - How will you determine COD and BOD? 8
- OR
- What are the various steps to reduce water consumption in textile industry? 4
 - Give the characteristics of waste water from Textile Industries. 8

- V a) Give the tolerance level of effluents in Wet Processing of Textiles. 4
b) Explain Flocculation and Eutrophication. 8

OR

- c) Give two methods of removal of colour from Textile dye waste water. 4
d) Explain the design and working of effluent treatment plant. 8

- VI a) What are the effects of noise pollution? 4
b) Explain the new challenges towards achievements of rigid standards in Textile Processing Effluents. 8

OR

- c) Give the basic requirements of ISO 14000. 4
d) Write short notes on Eco-standards and Eco-labels for textiles. 8

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BARGARH/GUWAHATI/FULIA/JODHPUR/SALEM/VARANASI/CHAMPA/KANNUR/KHITIGADAG/SPKMIHTVENKATAGIRI

DIPLOMA IN HANDLOOM AND TEXTILE TECHNOLOGY
FOURTH SEMESTER (2014 - REGULATION) EXAMINATION -NOV/DEC-2016
4.4 ECOLOGY AND POLLUTION CONTROL

Time: 3 Hours

Max.Marks: 80

PART - A

I. Answer all the questions in two or three sentences.

(2X10=20)

- i) Define Pollutant.
- ii) Name any two pollutants in Textiles.
- iii) What is SMOG?
- iv) What is air Pollution?
- v) Define COD.
- vi) Name the processes in textile industry which produces alkaline waste water.
- vii) What is coagulant? Give an example
- viii) What is sledge?
- ix) Define noise pollution.
- x) Elaborate EMS and ISO.

PART B

II. Answer all the questions in detail

(4+8) x 5 = 60

- A) Write briefly about the different layers of atmosphere. (4)
 - B) Explain pollution in textile industry. (8)
- (OR)
- C) Write briefly about depletion of Ozone layer and its consequences. (4)
 - D) Explain Greenhouse Effect and its consequences. (8)

III. A) Write short notes on causes of air pollution. (4)

B) Explain Air Quality Standards. Give the air quality standards in India. (8)

(OR)

C) Give the various sources of Air Pollution in Textile Mill. (4)

D) Explain the sources and the hazardous effect on man and environment for any four important air pollutants. (8)

IV. A) Give the importance of DO. (4)

B) Explain the sources of waste water in wet processing. (8)

(OR)

C) What is the various measures to reduce water consumption in textile industry? (4)

D) Give the characteristics of waste water from Textile industries. (8)

- V. A) Give two methods of removal of colour from Textile dye waste water. (4)
B) Explain the design and working of effluent treatment plant. (8)
- (OR)
- C) What is the impact of water pollution? (4)
D) Describe briefly the various methods involved in sledge treatment. (8)
- VI. A) Define the term "Eco labels" with reference to textiles with suitable examples. (4)
B) Give the various sources of Noise pollution in textile industry and its ill effects. (8)
- (OR)
- C) Write the objectives of ISO 14000. (4)
D) Explain the new challenges towards achievements of rigid standards in Textile Processing Effluents. (8)

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BARGARH/GUWAHATI/FULLA/JODHPUR/SALEM/VARANASI/CHAMPA/KANNUR/KHTIGADAG/SPKMIHT/VENKATAGIRI

DIPLOMA IN HANDLOOM AND TEXTILE TECHNOLOGY

THIRD SEMESTER (2011- REGULATION) EXAMINATION –NOV/DEC-2016

3.4- ECOLOGY AND POLLUTION CONTROL IN TEXTILE INDUSTRY

Time: 3 Hours

Max.Marks: 80

PART – A

I. Answer all the questions in two or three sentences.

(2X10=20)

- i) Define Environmental Pollution.
- ii) What is primary pollutant?
- iii) What is PAN?
- iv) What is air Pollution?
- v) What is effluent?
- vi) What is neutralization?
- vii) Name the Tertiary methods of treatment of textile waste water?
- viii) What is sledge?
- ix) Name the unit in which noise level is measured.
- x) Name the ISO series adopted in Textile industry.

PART B

II. Answer all the questions in detail

(4+8) x 5 = 60

- A) Write shortly about stratosphere. (4)
 - B) Explain the various types of pollution. (8)
- (OR)
- C) Write briefly about acid rain and its consequences. (4)
 - D) Explain Global warming and its consequences. (8)

III. A) Classify air pollutants. (4)

B) Explain Air Quality Standards. Tabulate outdoor and indoor air pollutants. (8)

(OR)

C) Give the various sources of Air pollution in Textile mill. (4)

D) Explain the sources and the hazardous effect on man and environment for any four important air pollutants. (8)

IV. A) How will you calculate COD water sample? (4)

B) Explain the sources of waste water in wet processing and give the measures to reduce water consumption in textile industry. (8)

(OR)

C) How will you determine BOD? (4)

D) Give the characteristics of waste water from Textile industries. (8)

- V. A) Write short notes on coagulation. (4)
B) Explain the design and working of effluent treatment plant. (8)
(OR)
C) Write briefly about solid wastes. (4)
D) Describe briefly the various methods involved in sledge treatment. (8)
- VI. A) Define the term "Eco Standards" with reference to textiles with suitable examples. (4)
B) Explain the effects, preventive and control of noise pollution in textile industry. (8)
(OR)
C) Write about Eco-Labels for textiles. (4)
D) Explain the new challenges towards achievements of rigid standards in Textile Processing Effluents. (8)

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BARGARH/GUWAHATI/FULIA/JODHPUR/SALEM/VARANASI/CHAMPA/KANNUR/KHTI GADAG/SPKM VENKATAGIRI

DIPLOMA IN HANDLOOM & TEXTILE TECHNOLOGY

ANNUAL/SEMESTER EXAMINATION APRIL/MAY-2017 (2011-REGULATION)

Time : 3 Hours
THIRD SEMESTER

**3.4 ECOLOGY AND POLLUTION CONTROL IN
TEXTILE INDUSTRY**

Max.Marks : 80

Part – A

2 x 10=20 Marks

- 1 Mention the different layers of Atmosphere.
- 2 Define Radiation Pollution
- 3 What are the sources of air pollution in a Textile Industry?
- 4 What are secondary pollutants?
- 5 Define BOD.
- 6 What is TDS ?
- 7 What is coagulant? Give an example
- 8 What is sledge?
- 9 Define noise pollution.
- 10 Elaborate EMS and ISO.

PART-B

12 x 5= 60 Marks

- 11 A) Write briefly about Stratosphere. (4)
B) Explain possible pollution in Textile industry. (8)
(Or)
C) Write briefly about Photochemical Smog and its consequences. (4)
D) Explain Greenhouse Effect and its consequences. (8)
- 12 A) Write short notes on causes of air pollution. (4)
B) Explain Air Quality Standards. Give the air quality standards in India. (8)
(Or)
C) Give the various sources of Air Pollution in Textile Mill. (4)
D) Explain the sources and the hazardous effect on man and environment for any four important air pollutants. (8)
- 13 A) How will you determine BOD? (4)
B) Explain the sources of waste water in wet processing. (8)
(Or)
C) What is the various measures to reduce water consumption in textile industry? (4)
D) Give the characteristics of waste water from Textile industries. (8)

P.T.O.

- 14 A) Give two methods of removal of colour from Textile dye waste water. (4)
- B) Explain the design and working of effluent treatment plant. (8)
- (Or)
- C) Discuss Solid Waste Management. (4)
- D) Describe briefly the various methods involved in sledge treatment. (8)
- 15 A) Define the term "Eco labels" with reference to textiles with suitable example. (4)
- B) Give the various sources of Noise pollution in textile industry and its ill effects. (8)
- (Or)
- C) Write the objectives of ISO 14000. (4)
- D) Explain the new challenges towards achievements of rigid standards in Textile Processing Effluents. (8)

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DIPLOMA IN HANDLOOM AND TEXTILE TECHNOLOGY

BARGAR/GUWAHATI/FULIA/JODHPUR/SALEM/VARANASI/CHAMPA/KANNUR/KHTIGADAG/SPKM IIHT/ VENKATAGIRI

ANNUAL/SEMESTER EXAMINATION – APRIL/MAY 2018

(2014 - Regulation)

Semester : IV Semester

Time:3Hours
Max.Marks:80

Subject Code & Name (4.4) ECOLOGY & POLLUTION CONTROL IN TEXTILE INDUSTRY

PART – A

(10 X 2 =20)

Answer all the questions within two to three sentences.

1. What is Hydrosphere?
2. Write any two radio-nuclides.
3. What are the effects of SO_x as air pollutant?
4. Tabulate the Air Quality Standard in India.
5. Write any two sources of water pollution.
6. Define BOD and COD.
7. Give the importance of coagulants with two examples.
8. Define reverse osmosis.
9. State any two Eco-labels in textiles.
10. Elaborate EMS & ISO.

PART – B

Answer all the questions in detail.

(4+8) X 5 =60

- 11.A. Explain the term “Acid rain”. (4)
B. Write short notes on Global warming. (8)
- (OR)
- C. Explain “Greenhouse Effect”. (4)
D. Write briefly the pollutants released from textile industries. (8)
- 12.A. Tabulate the pollutants causing air pollution. (4)
B. Write the ill effects of air pollutants on humans. (8)

(OR)

- C. Write the sources of outdoor air pollutants. (4)
D. Describe various methods to control particulates? (8)

P.T.O.

- 13.A. How will you determine BOD in the water sample? (4)
- B. Give the characteristics of waste water in wet processing (8)
- (OR)**
- C. Explain the organic and inorganic water pollutants. (4)
- D. Write some methods to reduce water consumption in textile industries. (8)
- 14.A. Define Mechanical flocculation and Chemical coagulation. (4)
- B. Write briefly about the environmental effects of waste water. (8)
- (OR)**
- C. How will you remove the colour from textile dye house waste? (4)
- D. Design and explain Effluent Treatment Plant. (8)
15. A. How will you control noise pollution in textile industry? (4)
- B. Explain the new challenges of rigid standards in textile processing effluents. (8)
- (OR)**
- C. What are the objectives of ISO 14000 (4)
- D. State and explain the ill effects of noise pollution. (8)

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DIPLOMA IN HANDLOOM AND TEXTILE TECHNOLOGY

BARGARH / GUWAHATI / JODHPUR / SALEM / VARANASI / CHAMPA / KANNUR / KHTIGADAG /
SPKMIHT/VENKATAGIRI

ANNUAL EXAMINATION APRIL/MAY 2018

(REGULATION 2011)

Year / Semester: IV Semester

Time: 3 Hours

Subject code & name: 4.4 Professional Ethics and Personality Development

Max. Marks: 80

PART A

(2X10=20 marks)

Answer all the questions within two to three sentences.

- 1) Define "Engineering Ethics.
- 2) What is the use of power in the work-place?
- 3) Define the term – "Accountability".
- 4) Explain the meaning of the term-"Work-Place-Spirituality.
- 5) Draw the Kohlberg's Ladder of Moral – Development.
- 6) What do you understand by " Safety – Engineering"?
- 7) What is "Attitude"?
- 8) Define the term – "Self - Esteem".
- 9) Define "Communication".
- 10) Differentiate between " Listening" and "Hearing".

PART -B

(4+8) X5=60

Answer all the questions in detail.

11) A. Why is integrity of an employee important in an organisation?

B. What are the rules that a professional must follow?

(Or)

C. What is the importance of a positive relationship between an employer and an employee in an organisation?

D. What are the roles and responsibilities of employees towards organisation?

12) A. How can Moral – Dilemmas be resolved?

B. What are some of the important character traits that help an individual to develop their character?

(Or)

P.T.O.

(2)

C. Write short notes on : (i) Emotional Mastery, (ii) Courage

D. What is "Moral Autonomy? What are the factors influencing Moral – Autonomy? What are the skills required to improve Moral – Autonomy?

13) A. What do you understand by "Normative Ethics" or "Theory of Right Action"?

B. What do you understand by "Safety and Risk – Assessment? Explain the steps to determine if a particular hazard is serious.

(Or)

C. Explain the specific ways in which engineering societies can promote Ethics.

D. Explain in detail the role of "Morally – Responsible – Engineers:.

14) A. What is arousal of attitude?

B. What are the external & internal set factors that affect perception? Explain in detail.

(Or)

C. Explain the term "Self – Development".

D. What are the steps towards active career planning?

15) A. What are the key casual factors that shape a company's culture?

B. Explain the principles of communication.

(Or)

C. Say, you have a weak memory. What steps will you take to overcome this problem?

D. Explain some important non-verbal-clues that one can send across in the communication process.

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BARGARH/FULIA/GUWAHATI/JODHPUR/SALEM/VARANASI/CHAMPA/KANNUR/KHTI GADAG/SPKMIHT VENKATAGIRI
DIPLOMA IN HANDLOOM AND TEXTILE TECHNOLOGY
ANNUAL/SEMESTER EXAMINATION APRIL/MAY 2018
(REGULATION -2014)

Year / Semester: IV

Time: 3 Hours

Subject: (4.5) PROFESSIONAL ETHICS & PERSONALITY DEVELOPMENT

Max. Mark: 80

PART A

(Answer all questions within TWO or THREE sentences)

2x10 = 20

1. Define 'Professional Ethics'.
2. Why is integrity of an employee important in an organization?
3. What is "Moral-Autonomy"?
4. What are positive roles of 'Code of Ethics'?
5. Differentiate between 'Risk' and 'Safety'.
6. Define the term 'Humility'.
7. Explain the term 'Perception'.
8. How are values different from attitudes?
9. Explain/Elaborate the term 'SMART' goals.
10. What is 'Procrastination'?

PART-B

(Answer all questions in detail)

(4+8)x5=60

11. (A) What is the relationship between 'Profession' and 'Professional'? 4
(B) Explain the relationship between Moral, Values and Ethics. 8
OR
(C) What are the three stages in which the behavioral pattern between an employee and an employer is addressed? 4
(D) Explain the six characteristics that a professional must possess in order to be successful. 8
12. (A) Write short notes on: 4
(i) Empathy (ii) Self-confidence
(B) Explain the term: 8
(i) Respect for others (ii) Respect for self
OR
(C) What are "Moral – Dilemmas"? What points should be kept in mind while resolving Moral-Dilemmas? 4
(D) How does a positive workplace create a "Win-Win-Situation" for both the employer and the employee? 8
13. (A) Explain the term 'Consensus' and 'Controversy'. 4
(B) Explain relationship between 'Law' and 'Ethics' with a suitable example. 8
OR
(C) What is the importance of "Risk-Assessment"? 4
(D) How is Carol Gilligan's theory of moral development is different from the theory of proposed Lawrence Kohlberg? 8

P.T.O.

14. (A) Explain the relationship between "Self-Esteem" and "Self-Confidence"? 4
(B) Can attitude be changed? Explain. 8
- OR
- (C) Is career planning important? Why? 4
(D) Explain the steps that one can take to achieve Self-Development. 8
15. (A) How can complex-problem solving can be made easy and achievable? 4
(B) Explain the model of communication process. 8
- OR
- (C) What are merits and demerits of written-communication? 4
(D) What is the meaning of the term culture in work-Environment and explain the seven 8
central concepts of culture.

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**INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY
DIPLOMA IN HANDLOOM & TEXTILE TECHNOLOGY**

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI,Gadag/SPKM IIHT Venkatagiri
ANNUAL / SEMESTER (BACK PAPER) EXAMINATION-NOV/DEC 2018

(Regulation 2014)

SUB.CODE/NAME : 4.4 ECOLOGY AND POLLUTION CONTROL IN TEXTILE INDUSTRY

SEMESTER : IV Semester

TIME: 3 Hours
Max.Marks:80

PART-A

Answer all questions in ONE or TWO sentences

[10x2=20]

- 1 Write the advantage of Ozone Layer ?
- 2 Write the impacts of Radio active pollution on human beings
- 3 Give two examples of Air pollutants in textile industry
- 4 Write the Air quality standards for urban area
- 5 Write the full form and causes for DO and SS with respect to waste water
- 6 Justify : High MLR M/c produces more water pollution than low MLR M/c
- 7 What is the purpose drying bed in ETP?
- 8 What is the tolerance level for BOD & COD in textile effluent?
- 9 Write the use of Eco-Labeling? And give one example of Eco-Label used in textile Industry
- 10 ISO stands for? Write the objectives of ISO14000

PART-B

Answer the following questions in detail by either A & B combination or C & D Combination

11 A Brief on Pollutants in Ginning & Spinning Industry [4]

B Explain in detail the types of pollution in Textile Industry and its impact on human being [8]

(OR)

C Brief on Pollutants in Printing Industry and its causes [4]

D Explain on Global Warming and Green House Effect [8]

12 A Brief on Air Pollution and its causes on Raining and Environment [4]

B Explain on Air quality standards pertaining to Indoor & Outdoor air pollution [8]

(OR)

C Write the impacts Acid Rain? What is the causes of Acid rain in industrial area. [4]

D Explain on various measures to control the Air Pollution in Textile Industry [8]

13 A Brief on Water Pollution evolved in Sizing Industry? [4]

B Explain in detail the various sources of water pollution in Textile Industry [8]

(OR)

C Explain on importance of MLR in preventing water pollution in wet processing industry [4]

D Explain in detail the various methods of waste water reduction in wet processing industry [8]

14 A How do you remove the Colour from textile effluent water? [4]

B Explain in detail the impact of water pollution on marine life [8]

(OR)

C Brief on Biological treatment of waste water treatment [4]

D Explain in detail the eco processing of textiles with alternative technique / materials used [8]

15 A Differentiate Rhythm and Noise [4]

B Explain on new techniques used in wet processing industry for treatment of effluent water [8]

(OR)

C How do you measure the Sound ? And list out the units used for Sound. [4]

D Explain in detail about Eco standards and EMS for the Textile Industry [8]

Bar (48)

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

BARGARH/GUWAHATI/FULIA/JODHPUR/SALEM/VARANASI/CHAMPA/KANNUR/KHTIGADAG/SPKM IIHT VENKATAGIRI

DIPLOMA IN HANDLOOM AND TEXTILE TECHNOLOGY (Regulation – 2014)
SEMESTER (REGULAR & BACK PAPER) EXAMINATION – April / May -2019

Year / Semester : IV Semester

Time: 3 Hours

Subject Code & Name: 4.4 ECOLOGY AND POLLUTION CONTROL IN TEXTILE INDUSTRY

Max. Marks: 80

PART-A

(2 X 10 = 20)

Answer all the questions in two or three sentences.

1. Give the benefit of stratosphere
2. What is radioactive pollution?
3. Name any two pollutants in Textiles.
4. What are secondary pollutants?
5. Write the full form of BOD and COD.
6. Name the processes in textile industry which produces alkaline waste water.
7. What is sludge?
8. What are coagulants? Give example.
9. Give the unit used to describe noise.
10. What is Eco-Labeling?

PART-B

(4+8)X5=60)

Answer all the questions in detail.

- 11) A Write briefly about the different layers of atmosphere. (4)
B Explain the types of pollution in textile industry. (8)

OR

- C Write the pollutants in textiles (4)
D Explain Global warming and its consequences. (8)

- 12) A Write short notes on causes of air pollution. (4)
B Explain Air Quality Standards for indoor and outdoor in India (8)

OR

- C Give the various sources of Air Pollution in Textile Mill. (4)
D Explain the sources and the hazardous effect on man and environment for any four important air pollutants. (8)

- 13) A Give the importance of DO. (4)
B Explain the sources of waste water in wet processing. (8)

OR

C What are the various measures to reduce water consumption in textile industry? (4)

D Give the characteristics of waste water from Textile industries. (8)

14) A Give the method of removal of colour from Textile dye house waste water. (4)

B Explain the design and working of effluent treatment plant. (8)

OR

C Give the tolerance level of wet processing of Textiles (4)

D Explain the Solid wastes, its sources and sludge treatment (8)

15) A Write the objectives of ISO 14000. (4)

B Give the various sources of Noise pollution in textile industry and its ill effects. (8)

OR

C Define the term "Eco labels" with reference to textiles with suitable example. (4)

D Explain the new challenges towards achievements of rigid standards in
Textile Processing Effluents. (8)

Raw (3)

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY
BARGARH/GUWAHATI/FULIA/JODHPUR/SALEM/VARANASI/CHAMPA/KANNUR/KHTI-GADAG/SPKM-IIH-VENKATAGIRI
Diploma in Handloom & Textile Technology
SEMESTER EXAMINATION - NOV/ DEC 2019
(Regulation-2014)

Year / Semester: IV Semester (Back Paper)

Time: 3 Hours

Subject Code & Name: 4.4 Ecology And Pollution Control In Textile Industry

Max.Marks:80

PART-A

Answer all the questions within two to three sentences.

2×10=20

1. What is hydrosphere?
2. Name various types of pollution in the environment.
3. Give the causes of air pollution.
4. Tabulate the air quality standard in India.
5. Write any two sources of water pollution.
6. Define BOD and TDS.
7. What are coagulants? Give example.
8. What is the tolerance level for BOD and COD in textile effluent?
9. Give the unit used to describe noise.
10. What is Eco labeling?

PART-B

Answer all the questions in detail

4+8 ×5=60

11. A. Explain Green house effects. 4
B. Write briefly about the different layer of atmosphere. 8
(OR)
C. How are radioactive elements harmful to human beings? 4
D. Explain Global warming and its consequences. 8
12. A. Explain Primary and Secondary pollutants. 4
B. Tabulate indoor and outdoor air pollutants. 8
(OR)
C. Write short notes on air pollution. 4
D. Name any four air pollutants and their effects on humans. 8
13. A. Write short notes on Organic and Inorganic water pollutants. 4
B. Give the characteristic of waste water from textile industries. 8
(OR)
C. How will you determine BOD? 4
D. Explain the sources of waste water in wet processing. 8
14. A. Define Mechanical flocculation. 4
B. Write briefly about the environmental effects of waste water? 8
(OR)
C. Give the tolerance level of effluents in wet processing of textiles. 4
D. Explain the design and working of effluent treatment plant. 8
15. A. How will you control noise pollution in textile industries? 4
B. State and explain the physical and psychic disorder of noise pollution. 8
(OR)
C. Write briefly on eco standards and eco labels for textiles. 4
D. Explain the new challenges in order to comply with the rigid standards in textile industry. 8
