

Registration Number

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

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-Venkatagiri

Diploma in Handloom & Textile Technology

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 06

Time:3 Hours

Course Code & Title : **HTPE307 Technological Developments
in Handlooms**

Maximum Marks:100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What is the limitation of Hand operated pirn winding charka used in preparatory process?
2. Write down the merits of placing looms in systematic/organized way.
3. Write down the importance of angle iron pillars and cross bars used in place of wooden pillar and cross bars in pit loom.
4. Mention 2 advantages of improved frame loom.
5. Define take-up motion.
6. Classify the Drop box motions used in Handlooms.
7. What are the advantages and disadvantages of multiple butta weaving sley?
8. Mention 2 advantages of using multiple jacquards on handlooms.
9. Define the semi-automatic handloom.
10. Write down the name of any 2 types of semi-automatic handloom.

PART-B

(6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Explain the objectives of technological developments on handlooms. (6)
B. With the help of suitable diagram discuss the advantages of single spindle winding machine over hand operated charkas. (10)
(OR)
C. Discuss the merits and demerits of placing looms in systematic/organized way with suitable diagram. (6)
D. Write down the advantages of multiple spindle winding machines over hand operated charkas. (10)
12. A. List out the importance of iron cross bars and iron angle pillars used in place of wooden cross bars and pillars in pit loom. (6)

B. Explain about improved frame loom along with diagram. Discuss its advantages. (10)

(OR)

C. Discuss the main advantages of in-house beaming machine operated by power for long length of warp. (6)

D. Explain in detail about power operated in-house beaming machine to be used for long length of warp. (10)

13. A. With suitable diagram explain the working principle of worm and worm wheel take-up motion. (6)

B. Explain 5 wheel take up motion with neat sketch used in handlooms. (10)

(OR)

C. Discuss the main advantages and disadvantages of Drop box motions used in handlooms. (6)

D. Explain about the mechanism and working principle of vertical handloom dobbie with its merits and demerits. (10)

14. A. Discuss about weaving on handloom with the help of multiple jacquards. (6)

B. Explain about the mechanism and working principle of solid boarder weaving sley and mention the advantages and disadvantages of this mechanism. (10)

(OR)

C. Discuss the technique of solid boarder weaving with catch cord technique. (6)

D. What is improved pit loom? Discuss its advantages over normal pit loom. (10)

15. A. Write down short notes on Nepali pedal loom. (6)

B. Compare the merits & demerits of Nepali pedal loom, Banaras semi-automatic loom and itchalkaranchi loom. (10)

(OR)

C. Write short notes on chittaranjan loom. (6)

D. Explain the merits and demerits of pneumatic lifting mechanism for jacquard weaving. (10)

Registration Number

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

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-Venkatagiri

Diploma in Handloom & Textile Technology

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 06

Time:3 Hours

Course Code & Title : **HTPE308 Traditional Handloom
Textiles of India**

Maximum Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What are the raw materials (yarns) used in bomkai saree?
2. What kinds of yarns are used for producing border, pallu and body in Gadwal saree?
3. Name any two unique characters of kota Doria saree.
4. What is the use of “Tojis” (wooden stick) in kani shawl production.
5. Mention a typical warp yarn and weft yarn specification for Tanchoi silk sarees.
6. List any two important properties of venkatagiri cotton sarees.
7. State the objectives of India Handloom Brand.
8. What is meant by GOTS?
9. Write the definition of handloom as per the Handloom Act 1985.
10. To whom under what circumstances the power is entrusted for search and seizures the items under the Handloom Act 1985?

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. How baluchari silk saree can be differentiated from banaras silk saree? (6)
B. Explain the product specification, production technique and uniqueness of banaras brocade saree. (10)
- (OR)
- C. Write the product specification and uniqueness of Jamdani cotton saree. (6)
D. Explain the product specification, production technique and uniqueness of ilkal saree. (10)
12. A. Write short notes on special features of a paithani sarees. (6)

- B. Explain the product specification, production technique and uniqueness of kancheepuram silk saree. (10)

(OR)

- C. Write short notes on special features of a gollabama saree. (6)

- D. Explain the product specification, production technique and uniqueness of kancheepuram silk saree. (10)

13. A. Discuss the characteristics of shantipuri cotton sarees. (6)

- B. Explain the product specification, production technique and uniqueness of Tangail cotton sarees (10)

(OR)

- C. Write short notes on special features of a Tancoi silk saree. (6)

- D. Explain the product specification, production technique and uniqueness of balarampuram cotton sarees. (10)

14. A. Discuss the various benefits available for the firms after registered with Indian Handloom brand. (6)

- B. Explain in detail about the standard operating procedure to be followed for registration of new firm under Indian handloom Brand. (10)

(OR)

- C. Discuss the role of Weavers' service center in IHB registration. (6)

- D. Explain in details about the objectives and scheme procedure of Handloom Mark. (10)

15. A. Write short notes on power to specify the articles for exclusive production by handloom. (6)

- B. Discuss in detail about the range reserved for exclusive production in Handloom for the following products under the Handloom reservation Act 1985. **i. Saree** **ii. Dhoti** (10)

(OR)

- C. Discuss in brief about the penalty for contravention under the Handloom reservation Act 1985. (6)

- D. Discuss in detail about the range reserved for exclusive production in Handloom for the following products under the Handloom reservation Act 1985. **i. Jamakkalam Durry or Durret** **ii. Lungi** (10)

Registration Number

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

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-Venkatagiri

Diploma in Handloom & Textile Technology

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 06

Time:3 Hours

Course Code &Title : **HTPE309 Home Textiles**

Maximum Marks:100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. Define home textiles.
2. List out any four examples of upholstery materials.
3. Enlist any four commercial fabrics used in draperies.
4. What are the essential properties required for towel fabrics?
5. Define bolster with neat sketch.
6. What is meant by comforter?
7. Indicate any two fibres name suitable for carpet manufacturing process and justify it.
8. What are the functions of secondary backing material used in carpets?
9. Mention any two examples of cleaning and caring methods of home textiles.
10. Justify the bleaching process suitable for stain removal of home textile materials.

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Classify the different types of home textiles with examples. (6)
B. Mention the various fibres used in home textiles and explain it advantages, disadvantages and applications. (10)
(OR)
C. Discuss the various factors influencing on the selection of home furnishing. (6)
D. Elaborate the different types of table linen products used in home furnishing with neat sketches. (10)
12. A. Explain the different types of kitchen linen material with neat sketches. (6)
B. Summarize about the various types of pleats used for making curtains with suitable diagrams. (10)

(OR)

- C. Define drape and mention the properties required for draperies fabrics. (6)
- D. Explain in detail about the different types of accessories used for draperies constructions. (10)
13. A. Define thread count and explain the specification of bed linen structure based on thread count. (6)
- B. Discuss in detail about the absorption test (ASTM D4772 – 14) for bath towel. (10)
- (OR)**
- C. Mention the different types of pile weave fabric structure and any one of explain it. (6)
- D. Describe about the various care labeling used for bed linen structures. (10)
14. A. Elaborate the following carpet manufacturing techniques. (6)
a) Needle felting b) stitch bonding c) Flocking
- B. Explain in detail about the carpet manufacturing process with neat sketch. (10)
- (OR)**
- C. Explain the different types of rugs. (6)
- D. Discuss the tufting cycle of carpet production with neat sketch. (10)
15. A. Summarize about the identification of stains. (6)
- B. Explain in detail about the general procedure for stain removal. (10)
- (OR)**
- C. Write short notes on the optical brightener used in home textile materials. (6)
- D. Describe about the various test used for home textile materials. (10)

Registration Number

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

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-

Venkatagiri

Diploma in Handloom & Textile Technology

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 06

Time:3 Hours

Course Code & Title : **HS303 Entrepreneurship and Start-Ups**

Maximum Marks:100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What does Entrepreneur mean?
2. What is the ATUFS scheme for textile industry?
3. How do you visualize a business idea?
4. Write about the nature of the textile business.
5. What do you mean by textile marketing?
6. Give the CLCSS's full name and purpose.
7. List out the focus areas of textile.
8. Write the importance of management.
9. Define patent and licensing.
10. What is exit strategy for entrepreneurs?

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. "A successful entrepreneur must have some important characteristics". (6)
Elaborate.
B. In what ways does the Government assist Indian textile industry startups? (10)
Explain.

(OR)

- C. Describe how an Entrepreneur and Managers are different. (6)
D. Explain the Government's initiatives and insights to promote handloom weavers of India. (10)

12. A. Discuss the important elements to be considered when visualizing the (6)

business ideas.

- B. Describe the different types of Entrepreneurs in textile industry. (10)

(OR)

- C. Define business plan. Prepare a business plan of your own textile business with neat diagram. (6)

- D. Explain the factors influencing while implementing business ideas. (10)

13. A. What is target market analysis? Why is identifying target market is important? (6)

- B. Describe how competitiveness and strategy play a part in entrepreneurial invention. (10)

(OR)

- C. Discuss the challenges faced by the Entrepreneurs in textile business start ups. (6)

- D. Explain methods of entrepreneurial marketing with suitable examples. (10)

14. A. What is talent management? Describe the steps involved in effective talent management. (6)

- B. Explain the common forms of business ownership. And how to find the best form of ownership for small businesses? (10)

(OR)

- C. Discuss the financial management functions performed by an Entrepreneur. (6)

- D. Explain the different types of recruitment techniques for talent acquisitions. (10)

15. A. Explain the significance of financial planning and control in Entrepreneurship. (6)

- B. What are the major financing options available for entrepreneurs in India? Discuss. (10)

(OR)

- C. Describe the benefits and drawbacks of Patent licensing. (6)

- D. Explain the various types of exit strategies available for entrepreneurs with examples. (10)

Registration Number

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

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-Venkatagiri

Diploma in Handloom & Textile Technology

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 06

Time:3 Hours

Course Code & Title : **HTOE305 Project Management**

Maximum Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. Differentiate the project from routine work carried out in an organization.
2. What is a priority matrix in project management?
3. Discuss the concept of demand analysis.
4. State the meaning of technical analysis in project management.
5. List the components of cost of project
6. Calculate the break-even point in accounting.
7. Define project risk.
8. What is social benefit cost?
9. What is the concept of project administration?
10. Compare the PERT and CPM in project management.

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. What is the work breakdown structure in project management? Explain with an example. (6)
B. Describe the project management process. List the few projects you see in day today life. (10)
- (OR)
- C. Brief the obstacles in project management. (6)
D. Explore the phases of the project management life cycle with a diagram and example. (10)
12. A. Explain the task involved in the generation and screening of project ideas. (6)

- B. Analyze the common weaknesses in capital budgeting. (10)
- (OR)**
- C. Explain the steps in the marketing research process. (6)
- D. Discuss in detail the various methods of demand forecasting (10)
13. A. What are the four major components of the cost of production? Explain. (6)
- B. How do you estimate sales in small business? Analyze. (10)
- (OR)**
- C. What is a cash flow statement? Explain. (6)
- D. What factors determine the working capital requirement? Write the formulas to calculate working capital. (10)
14. A. What do you mean by economic rate of return? Explain. (6)
- B. Explain the various techniques of capital budgeting. (10)
- (OR)**
- C. What are the non-financial criteria for project management? (6)
- D. How do you measure the social benefits and costs of a public project? Explain. (10)
15. A. How to shorten the project time? Comment. (6)
- B. Why time-cost trade-off is necessary for project management? Explain. (10)
- (OR)**
- C. How are progress payments calculated? Explain. (6)
- D. Explain the several terms used in the PERT chart and discuss their advantages and disadvantages. (10)

Registration Number

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

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-Venkatagiri

Diploma in Handloom & Textile Technology

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 06

Time:3 Hours

Course Code &Title : **HTOE307 Internet of Things**

Maximum Marks:100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What is the Internet of Things (IoT)?
2. Mention the features of IoT.
3. Which network does IoT use?
4. What is messaging protocol in Internet of Things?
5. How Arduino is used in IoT?
6. How the different components of IoT integrated?
7. Mention the applications of Raspberry Pi in IoT.
8. Define Data Handling Analytics.
9. Give some applications of IoT.
10. What are the opportunities of IoT in healthcare?

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. What is the role of sensors in Internet of Things? (6)
B. Explain the types of sensors used in IoT. (10)
(OR)
C. Write the difference between sensing and actuation. (6)
D. Mention the use of actuator in devices. (10)
12. A. How many protocols are there in communication? (6)
B. Explain the networking model of IoT. (10)
(OR)
C. What is the use of WSN in IoT? (6)

- D. Explain the topology of the sensor network. (10)
13. A. What are the objectives of Arduino programming? (6)
B. How sensors are connected in IoT? Explain in detail. (10)
- (OR)**
- C. Describe the connection of Arduino to actuators. (6)
D. What are the ways to connect sensors and actuators to the Arduino Uno board? (10)
14. A. Mention the applications of Raspberry pi. (6)
B. How we build IoT solutions with managed Raspberry pi? (10)
- (OR)**
- C. What are the data analytics techniques used in IoT? (6)
D. Explain the uses of data handling analytics. (10)
15. A. Mention the smart agriculture system using IoT in India. (6)
B. Explain the use of IoT in structural health monitoring. (10)
- (OR)**
- C. Write the key benefits of IoT in agriculture and farming. (6)
D. Describe the benefits of IoT in healthcare. (10)

Registration Number

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

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-Venkatagiri

Diploma in Handloom & Textile Technology

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 06

Time:3 Hours

Course Code & Title : **HTOE311 Disaster Management**

Maximum Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What are the effects of natural disasters on the environment?
2. What is Hazard and disaster mapping?
3. What are the consequences of disaster?
4. What are the types causes and effects of disaster?
5. What are the 5 stages of the disaster management cycle?
6. What is the national disaster management framework in India?
7. How are disasters managed in India?
8. How can we reduce disasters?
9. What is the application helps in the disaster management process?
10. What is the role of science in a disaster?

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. What are the different types of natural disasters? Explain in detail (6)
B. What is to be done during and after the earthquake? (10)
- (OR)
- C. Draw the disaster management cycle and explain every stage in it (6)
D. Disaster impacts differential groups at various levels. Justify. (10)
12. A. Explain the roles and responsibilities of various agencies in disaster mitigation and management (6)

- B. Develop the conceptual framework for disaster risk reduction. (10)
- (OR)**
- C. Write down the types of Urban local bodies (6)
- D. Describe early warning system with suitable examples. (10)
13. A. Explain the importance of indigenous knowledge. How is it helpful in disaster management? (6)
- B. Summarize the adoption of Kyoto Protocol in 1997 (10)
- (OR)**
- C. Explain and list the impact of development projects and Embankments. (6)
- D. Explain the International Decade for Natural Disaster Reduction (10)
14. A. Briefly explain the significance of India's National Policy on Disaster Management. (6)
- B. How does the Disaster Management Act of 2005 contribute to establishing institutional mechanisms for disaster management? (10)
- (OR)**
- C. How do non-governmental organizations (NGOs) contribute to disaster management efforts in India? (6)
- D. What is the role of inter-governmental agencies in supporting disaster management initiatives in India? (10)
15. A. Explain the role of a disaster communication system, particularly in early warning dissemination (6)
- B. Briefly discuss the concept of disaster-safe designs and constructions and their importance in mitigating disaster impacts. (10)
- (OR)**
- C. What are the key components of Geo-informatics used in disaster management, and how do they contribute to disaster response? (6)
- D. How do land use planning and development regulations contribute to disaster risk reduction? (10)

Registration Number

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

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-Venkatagiri

Diploma in Handloom & Textile Technology

APRIL/MAY-2024 SEMESTER EXAMINATION

(Regulation-2021)

Semester : 06

Time:3 Hours

Course Code & Title : **HTOE312 Marketing Management and Foreign Trade**

Maximum Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. How marketing is creating greater impact on society?
2. Enumerate the importance of marketing mix.
3. Why social factors are important to predict consumer behaviour?
4. How motivation of consumers are affecting sale of a product?
5. Differentiate between skimming pricing and penetration pricing.
6. Mention any four techniques for data collection in marketing research.
7. What are quota restrictions in international trade?
8. What are various types of imports in foreign trade?
9. Why duty drawbacks are important in imports and exports?
10. How export management risk will affect international trade?

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Describe various targeting strategies followed by organizations. (6)
B. Explain the importance of marketing research towards developing new products. (10)
- (OR)
- C. Distinguish between products and services with appropriate examples. (6)
D. Discuss various types of market segmentation with fair examples. (10)
12. A. Describe the interrelationship between consumer behavior and marketing. (6)
B. Bring down the relevancy of Nicosia model of consumer behaviour towards buying decision process. (10)

(OR)

- C. Explain how psychology factors are influencing consumer behaviour . (6)
 - D. Consumers in India become more conscious of their impact on the environment – Discuss. (10)
13. A. Brief about various types of marketing channels with fair illustrations. (6)
- B. Explain various formats of retail stores in India with suitable examples. (10)

(OR)

- C. Describe the firm-specific factors that impact pricing decision of a company. (6)
 - D. The “Message” component is very important for successful Advertisements - Discuss. (10)
14. A. Bring down the objectives of WTO with reference to developing nations. (6)
- B. Elucidate the salient features of foreign trade with relevant examples. (10)

(OR)

- C. Discuss the role MFA in reducing conflicts in international trade. (6)
 - D. Explicate the goals of GATT towards the development of nations. (10)
15. A. Deliberate about the important documents required for exports. (6)
- B. Explain in detail about the necessary documents needed for pre-shipment and post-shipment of goods. (10)

(OR)

- C. Discuss the importance and benefits of duty entitlement pass book (DEPB) for exporters in India. (6)
- D. Explore the important provisions and features of foreign exchange regulation act (FERA) with a neat sketch. (10)
