

Registration Number

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INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY

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

Diploma in Handloom & Textile Technology

NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : VI

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. Define Entrepreneurship.
2. Who is called Intrapreneur?
3. What is meant by activity map?
4. List out the components of Business plan.
5. What are the benefits of Target market analysis?
6. Why is a Risk analysis important?
7. Define the term Recruitment.
8. Why is financial management important for a business?
9. What makes an invention eligible for a patent?
10. What do you mean by bankruptcy?

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Elucidate traits of an entrepreneur. (6)
B. What is business structure? Explain various types of business structure in detail. (10)
- (OR)
- C. Differentiate between entrepreneurs and managers. (6)
D. Explain the government schemes available for Textile Entrepreneurs. (10)
12. A. Briefly explain the elements and importance of business plan. (6)
B. Elaborate the steps involved in developing and implementing business ideas. (10)

(OR)

- C. How to create Activity map for business in current scenario? (6)
- D. How to discover and visualize the business idea? (10)
13. A. How strategy development enhances business performance? (6)
- B. Explain the steps involved in Market Analysis with suitable example. (10)
- (OR)**
- C. Explain how to evaluate the target market in business organisation. (6)
- D. Describe the risk analysis process in detail. (10)
14. A. Enumerate the sources of Recruitment. (6)
- B. Elaborate organisation structure in detail. (10)
- (OR)**
- C. Elucidate the importance of Talent Management. (6)
- D. Explain the role played by financial organization in Textile Industry. (10)
15. A. Briefly explain the available exit strategies for entrepreneurs. (6)
- B. Explain the financing methods available for start-ups in India. (10)
- (OR)**
- C. Write the importance of Patenting and Licenses for preventing of business idea. (6)
- D. Elaborate the process of communicating innovative business ideas to potential investors. (10)

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Diploma in Handloom & Textile Technology

NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : VI

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. Outline the challenges in Project Management.
2. What is the purpose of a work breakdown structure (WBS)?
3. Define project implementation.
4. Mention two objectives of market and demand analysis.
5. Write the significance of Break-even analysis?
6. Distinguish between fixed cost and variable cost.
7. How is ARR calculated?
8. State any two non-financial justifications of projects.
9. List the main objectives of post-project evaluation?
10. What is the significance of least cost duration in project management?

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Classify projects based on their nature and objectives. (6)
B. Establish the relationship between scope, cost and time in project management with suitable illustration. (10)
(OR)
C. Discuss about project management and routine operations. (6)
D. Explain the steps involved in establishing project priorities with examples. (10)
12. A. Evaluate the importance of financing decisions in capital budgeting. (6)
B. Describe the process of generation and screening of project ideas. (10)
(OR)
C. Write notes on market planning and marketing research process. (6)
D. Explain the demand forecasting techniques with examples. (10)

13. A. How are sales and production estimates prepared? Explain. (6)
B. Elaborate profitability analysis and its importance in project appraisal. (10)
- (OR)**
- C. Explain the preparation of projected balance sheet for a new project. (6)
D. Discuss the methods of financing working capital requirements. (10)
14. A. What is Internal Rate of Return (IRR)? Explain its computation and significance. (6)
B. Describe about Net Present Value (NPV) and Benefit-Cost Ratio (BCR) method with a suitable illustration. (10)
- (OR)**
- C. What are the various types of Project Risks? How can they be managed? (6)
D. Explain Social Cost Benefit Analysis (SCBA) and its importance in project evaluation. (10)
15. A. Discuss time-cost trade off analysis with suitable examples. (6)
B. Illustrate the procedure of expenditure planning and schedule of payments in project administration. (10)
- (OR)**
- C. Write a detailed note on Project Evaluation and Review Techniques (PERT) and cost mechanisms. (6)
D. Explain the application of various project management software's in modern project administration. (10)

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NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : VI

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. Who is the father of IoT and Internet?
2. What are the key differences between IoT and IIoT?
3. Define Zigbee in IoT.
4. What is library in Arduino.
5. What is mean by Data Handling Analytics.
6. Differentiate between data and information.
7. What is Arduino?
8. List out the various sensors used in agriculture.
9. What are the technologies used in IoT?
10. What is actuator in IoT.

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Write down the features of IoT. (6)
B. Explain the term IoT. What are the key advantages and disadvantages of IoT? (10)
(OR)
C. How does IoT work? (6)
D. Define Sensor. What are the different types of sensors used in IoT? (10)
12. A. How we can protect IoT network? (6)
B. What is Internet? Compare and Contrast IPV4 and IPV6. (10)
(OR)
C. What is a sensor network in IoT? (6)

- D. Discuss the different layers of IoT. (10)
13. A. Explain the role of Arduino board in IDE. (6)
B. Write a simple Arduino program to blink a LED with 500 msec (10)
- (OR)**
- C. What are the ways to communicate with an Arduino? (6)
D. What are the benefits of Arduino programming? Explain its features. (10)
14. A. What are the benefits of Raspberry Pi programming? Explain its features. (6)
B. Explain how IoT and Raspberry Pi is useful in smart university campus? List (10)
out the hardware requirement for the same.
- (OR)**
- C. What are the different ways of data handling? (6)
D. Explain the Raspberry Pi device and its role in IoT development. (10)
15. A. How IoT is useful in agriculture? Explain. (6)
B. Explain how IoT is useful in-home automation. (10)
- (OR)**
- C. Describe how IoT is useful in healthcare. (6)
D. List out the application of IoT. (10)

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NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : VI

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 causes 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. List out any 4 ways to reduce disasters.
9. What do you mean by GIS & GPS?
10. What is the role of Science & Technology in disaster management?

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. Explain about search, rescue and emergency operation. (10)
- (OR)**
- C. Explain and list the impact of development projects and Embankments. (6)
- D. Explain about relief and rehabilitation. (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)

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Diploma in Handloom & Textile Technology

NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : VI 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. List the components of marketing mix.
2. Why is marketing is essential for an apparel product?
3. State the types of consumer decision making.
4. Mention the key preferences of Indian consumer while buying an apparel.
5. How is retailing different from wholesale trading?
6. Distinguish between advertising and publicity.
7. State the need for foreign trade with an example.
8. What is Re-export?
9. List any two terms of payment in export.
10. What do you mean by duty draw back?

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Explain briefly how marketing of services differs from a product marketing. (6)
B. Discuss in detail how marketing in a developing economy differs from a developed economy. (10)
- (OR)
- C. Briefly discuss the need for market research along with its applications. (6)
D. Elucidate the process of market segmentation. (10)
12. A. Compare economic model and learning model of consumer behaviour. (6)
B. Enumerate the determinants of consumer behaviour and explain any two factors in detail. (10)

(OR)

- C. 'Demographic factors affect consumer decision making'. Justify this statement with examples. (6)
- D. Discuss the EKB model of consumer behaviour in detail with an example. (10)
13. A. Highlight the significance of marketing channels in ensuring a proper marketing mix. (6)
- B. Explain the various pricing strategies that can be used for pricing an apparel product. (10)

(OR)

- C. Briefly discuss the steps in market research. (6)
- D. Elaborately discuss the scope of personal selling and sales promotion in promoting a product. (10)
14. A. Highlight the features of foreign trade. (6)
- B. Discuss the various functions and objectives of WTO. (10)

(OR)

- C. Briefly discuss about the various types of foreign trade. (6)
- D. What is GATT? State its objectives and explain its relevance in today's context. (10)
15. A. Explain about export risk and foreign exchange regulation. (6)
- B. Describe the purpose of various primary documents used in export. (10)

(OR)

- C. How are Duty drawback and DEPB helping exporters? State their features. (6)
- D. Detail the various types of letters of credit used in export payment. (10)

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Diploma in Handloom & Textile Technology

NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : VI

Time:3 Hours

Course Code & Title : HTPE307 Technological Developments in Handlooms

Max Marks: 100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What is the need for technological development in Handlooms?
2. List any four advantages over organized layout of a handloom shed.
3. Discuss the improvements in improved frame loom over handloom.
4. What is warp winding and list their advantages.
5. Brief worm and worm wheel take up motion.
6. What is the purpose of Drop box in Handloom Machine?
7. List the advantages of multiple butta sley.
8. Mention the different techniques used for solid borders in handlooms.
9. What are semi-automatic looms and give the four types.
10. Mention the advanced techniques used for lifting the jacquards in handlooms.

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Explain the objectives of Technological Developments in Handloom weaving. (6)
B. A weaver is planning to accommodate 15 Frame looms accomplished with all the preparatory and post loom machines. Give a suitable layout sketch. (10)
- (OR)
- C. List the difference and Limitations of Hand operated pilm, cheese and bobbin winding charkas. (6)
D. Explain with suitable diagram the working and passage of a Motor operated Single spindle winding machine. (10)
12. A. Explain the importance of replacement of wooden pillars and cross bars in Handlooms. (6)

- B. What is improved frame loom? With neat sketches, explain the mechanisms added in improved Frame loom. (10)
- (OR)**
- C. Explain the passage of warp sheet in a frame loom with neat sketch and mention the parts. (6)
- D. How the long length of warp sheet is prepared in-house? Explain in detail about power operated in house beaming machine. (10)
13. A. Explain with a neat sketch the 5-wheel take up motion used in handloom. (6)
- B. With neat sketch elaborate the Dropbox attachments used in hadloom. List its advantages over regular shuttle box. (10)
- (OR)**
- C. What is plunger mechanism? How it is used and list the merits and demerits. (6)
- D. Discuss in detail the working of vertical dobbie in handloom with neat sketch and parts. (10)
14. A. Discuss how the solid border weaving is prepared with catch cord technique. (6)
- B. Compare the normal and improved pit loom with the modifications done. (10)
- (OR)**
- C. What is multiple border butta in handloom weaving? Explain and list their advantages. (6)
- D. Elaborate in detail with a neat sketch, the working principle of solid border weaving with sley. List their advantages. (10)
15. A. Elaborate the Nepali-Pedal loom with neat sketch. (6)
- B. Compare the various semi-automatic looms available in different regions. (10)
- (OR)**
- C. How does the electric motor operated Jacquard loom works? Explain. (6)
- D. What is electromagnetic lifting mechanism and how the heald shafts are operated? Explain with neat sketch. (10)

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Diploma in Handloom & Textile Technology

NOV/DEC-2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : VI

Time:3 Hours

Course Code &Title : HTPE308 Traditional Handloom Textiles of India

Max. Marks:100

PART-A

(10×2=20 Marks)

Answer all the questions within two to three sentences

1. What kind of yarns are used in Baluchari Silk Saree?
2. Write two unique characteristics of Banaras Brocade Silk Saree.
3. Kota Doria Saree is originated from which State?
4. Name any two important unique characteristics of Kancheepuram Silk Saree.
5. List any two important properties of Tangail cotton Saree.
6. What is the technique used for producing Jamdani Silk Saree?
7. What is the full form of IHB and GOTS?
8. What are the raw materials used in Balaramapuram Saree?
9. Write the definition of Handloom as per the Handloom Act, 1985.
10. Write the name of two products which come under the Handloom Reservation of articles for production Act. 1985.

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Write a brief note on Banaras Brocade silk Saree. (6)
B. Explain the product specifications, production techniques and unique characteristics for making Bomkai Saree. (10)
- (OR)
- C. How Banaras Brocade Silk Saree can be differentiated from Baluchari Silk Saree? (6)
D. Write the product specifications; product techniques and unique characteristics for Chanderi Saree. (10)
12. A. Write short notes on special features of a Kani Pashmina Shawl. (6)
B. Explain the product specifications, production techniques, raw materials and unique characteristics of Kota Doria Saree. (10)

(OR)

C. Write about Pochhampally Ikat Saree and its special features. (6)

D. Explain the product specifications, production techniques, raw materials and unique characteristics of Paithani Saree. (10)

13. A. Write a comparison between Shantipuri Cotton Saree and Tangail Cotton Saree. (6)

B. Explain the production techniques and uniqueness of Venkatgiri Cotton Saree. (10)

(OR)

C. Write short notes on Special features of Tanchoi Silk Saree. (6)

D. Explain the product specifications and production technique of Shantipuri Cotton Saree. (10)

14. A. Write the objectives and benefits of Indian Handloom Brand. (6)

B. Explain in detail about the standard operation procedure to be followed for registration of new firm under India Handloom Brand (10)

(OR)

C. Write short notes on Handloom mark and Silk mark. (6)

D. Discuss the role of office of the DCH, Weaver's Service Centre and Textile Committee on India Handloom Brand. (10)

15. A. Write short notes on the Handloom (Reservation of articles for production) Act, 1985. (6)

B. What is the role of advisory committee for Handloom Reservation Act, 1985? (10)

(OR)

C. Write the name of any 6 articles prohibited for production rather than Handloom. (6)

D. Discuss in brief about the power to call information, inspection, search and seize under the Handloom (Reservation of articles for production) Act, 1985. (10)

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Diploma in Handloom & Textile Technology

NOV/DEC - 2025 SEMESTER EXAMINATION

(Regulation-2021)

Semester : VI

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 . State the requirements for home textiles.
- 2 . Mention the uses of draperies.
- 3 . Give the various types of curtains and draperies.
- 4 . Mention the factors to be considered in the selection of Table linens.
- 5 . Give the specifications for a typical bath towel woven on terry loom.
- 6 . List the different types of bed linen and give their importance.
- 7 . Comment on the consideration of resilient floor coverings.
- 8 . Classify the types of carpets and rugs on the basics of construction modes.
- 9 . Colour fastness and strength determination is essential for home furnishing products. Give reasons.
- 10 . State the factors to be considered during washing of rugs and carpets.

PART-B

((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Brief on various factors to be considered for selection of home furnishing materials. (6)
- B. What are interior designs? Discuss the uses of textile materials in home decoration. (10)

(OR)

- C. Give a brief note on woven and non-woven materials used for home furnishings. (6)
- D. With suitable examples, brief a note on various types of furnishing materials. (10)

12. A. Categorize the various types of dining textiles products and brief the factors to be considered for selection of the same. (6)
- B. What are kitchen textiles? Explain the types, use and care of kitchen textiles in detail. (10)

(OR)

- C. Categorize the essential accessories required for constructing and hanging of curtains. (6)

- D. Give a detailed note on factors to be considered while selection of fabric and lining material for curtains and give the step by step procedure to calculate the fabric requirement for curtains. (10)
13. A. Give a brief note on the types of test to be essentials for baby bedding and bathing products. (6)
- B. Summarize on various types of materials and their properties requirements for construction of various types of bed linens. (10)
- (OR)**
- C. Explain the types of velvet and their construction with suitable illustration. (6)
- D. With suitable examples, critically analyze the various factors influence the manufacturing of different types of bath linens. (10)
14. A. Identify the various types of floor covering materials on the basics of construction aspects. (6)
- B. Summarize the various factors that influence the manufacturing of different types of floor covering material based on the applications. (10)
- (OR)**
- C. Give a brief note on the living room furnishing with respect to material, design, pattern and applications. (6)
- D. Give detailed note on various methods of carpet manufacturing with suitable diagrams. (10)
15. A. Give a brief note on various washing methods with their merits and limitations. (6)
- B. Elaborate on the various care aspects to be considered on the carpets, draperies and rugs. (10)
- (OR)**
- C. Discuss the various types of stains and their removal methods. (6)
- D. Brief on various quality evolution to be carried out for home textile products based on the end applications. (10)
