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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

April / May - 2026 Semester Examination

(Regulation-2021)

Semester : **VI** Time:3 Hours

Course Code & Title : **HS303 Entrepreneurship & Start-ups** Maximum Marks: 100

PART-A (10×2=20 Marks)

Answer all the questions within two to three sentences

1. State two differences between an entrepreneur and a manager.
2. What is MSME? Expand MSME.
3. Define opportunity recognition.
4. State any two objectives of preparing a business plan.
5. What is Market Segmentation?
6. Define Risk in business.
7. Define Management.
8. What is Working Capital?
9. Define Venture Capital.
10. What is a Harvesting Strategy?

PART-B **(**(6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Describe different types of business structures in India. (6)

    B. Define entrepreneurship and explain in detail the traits, functions, and importance of an entrepreneur. (10)

(OR)

    C. Explain the role of NABARD Consultancy Services (NABCONS) in textile cluster development. (6)

    D. Explain the process of GeM on boarding and its benefits for textile entrepreneurs. (10)

12. A. Explain the concept of visualizing the business with examples. (6)

	B.	Explain in detail the process of discovering and evaluating business ideas.	(10)
		(OR)	
	C.	Explain Activity Map with a suitable example.	(6)
	D.	Prepare a detailed outline of a Business Plan for a small textile enterprise.	(10)
13.	A.	Describe the steps involved in identifying the target market.	(6)
	B.	Explain competition evaluation and strategy development for start-ups.	(10)
		(OR)	
	C.	Explain different types of business risks.	(6)
	D.	Explain marketing strategies for new ventures with suitable examples.	(10)
14.	A.	Describe different types of organizational structures.	(6)
	B.	Explain recruitment and selection process in detail.	(10)
		(OR)	
	C.	Describe methods of employee motivation and retention.	(6)
	D.	Explain financial planning and control in business.	(10)
15.	A.	Discuss how communication skills influence the success of an entrepreneurial pitch to investors.	(6)
	B.	Discuss in detail the various financing methods available for start-ups in India. Also explain the advantages and limitations of each method.	(10)
		(OR)	
	C.	Explain the difference between patent, trademark, and copyright.	(6)
	D.	Explain the importance and process of Succession Planning	(10)

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Diploma in Handloom & Textile Technology

April / May - 2026 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. What is meant by classification of projects?
2. What is a project priority matrix?
3. Mention any two demand forecasting techniques.
4. What is marketing research?
5. What is a projected cash flow statement?
6. Define profitability projection.
7. What is meant by Payback period.
8. Define Social Cost–Benefit Analysis.
9. What is Expenditure planning.
10. What is meant by time–cost trade-off?

PART-B ((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Explain the project life cycle and its major phases with a neat diagram. (6)

    B. Describe the importance of project management in modern organizations. (10)

(OR)

    C. Discuss the role of Work Breakdown Structure (WBS) in project planning. (6)

    D. Explain the scope–cost–time triangle and its significance in project success. (10)

12. A. Describe the process of generation and screening of project ideas. (6)

    B. Explain the market planning and marketing research process in detail. (10)

(OR)

    C. What is market and demand analysis? Explain its importance in project appraisal. (6)

D. Describe the methods used for project selection and financing decisions. (10)

13. A. Explain cost of production and its components. (6)

B. Describe the significance and application of break-even analysis in project planning. (10)

(OR)

C. Explain the components of project cost and methods of estimating them. (6)

D. Describe the preparation of projected financial statements for a project. (10)

14. A. Explain the non-discounting methods of capital budgeting. (6)

B. Discuss the Net Present Value (NPV) and Internal Rate of Return (IRR) techniques in detail. (10)

(OR)

C. Distinguish between NPV and Benefit–Cost Ratio methods. (6)

D. Explain Accounting Rate of Return (ARR) method with its advantages and disadvantages. (10)

15. A. Explain the concept and applications of PERT in project management. (6)

B. Discuss the role of project management software in project administration. (10)

(OR)

C. Explain the importance of post-project evaluation. (6)

D. Discuss the Critical Path Method (CPM) and its advantages in project management. (10)

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Diploma in Handloom & Textile Technology

April/ May - 2026 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. What is Internet of Things (IoT)?
2. What is sensor? Give example.
3. What is the role of a gateway in IoT networking?
4. Name any two commonly used IoT communication protocols.
5. Define the term Arduino.
6. Give any two examples of actuators that can be used with Arduino.
7. Write short notes on Raspberry Pi?
8. What is Data Handling Analytics?
9. What is remote patient monitoring in IoT?
10. Write any two points to improve public safety in smart cities with the help of IoT?

PART-B **(**(6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Discuss in detail about the characteristics of IoT and Write its Applications. (6)

    B. Explain in detail about the IoT Architecture with a neat diagram (10)

(OR)

    C. Describe about actuator and its types. (6)

    D. Explain the different types of sensors in detail. (10)

12. A. Discuss the challenges in IoT networking. (6)

    B. Describe different IoT communication protocols. (10)

(OR)

    C. Compare and contrast star, mesh, and tree network topologies in IoT. (6)

D. Explain the working of sensor networks in IoT applications. (10)

13. A. Explain the steps involved in writing and uploading a program to Arduino. (6)

B. Describe the architecture of an Arduino board with a neat diagram. (10)

(OR)

C. Write an Arduino program to blink an LED at a regular interval. (6)

D. Explain the process of reading sensor data and controlling an actuator using Arduino. (10)

14. A. Discuss the steps involved in building an IoT project using Raspberry Pi. (6)

B. Explain how sensors and actuators are interfaced with Raspberry Pi in IoT applications. (10)

(OR)

C. Describe different techniques used in data analytics in IOT. (6)

D. Describe the architecture of an IoT system based on Raspberry Pi. (10)

15. A. Describe a real-time agriculture monitoring system using IoT. (6)

B. Write a short notes on agriculture, health care, activity monitoring. (10)

(OR)

C. Discuss in detail about the working of a smart activity tracking system using Internet of Things. (6)

D. Explain the concept of IoT in healthcare with a neat diagram. (10)

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Diploma in Handloom & Textile Technology

APR/MAY-2026 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 is the natural disaster?
2. What are the Tropical cyclones
3. What are the consequences of Biological Disaster
4. Mention the Reason for Disaster
5. Enumerate the stages of Disaster management Cycle
6. How to Reduce the Disaster in India
7. What is the role of the India Meteorological Department (IMD) in disaster preparedness?
8. Mention two technological tools used in disaster management in India.
9. What is remote sensing and how is it useful in disasters
10. What are non-structural technological measures in disaster risk reduction?

PART-B ((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Discuss the role of government in disaster management. (6)

    B. Analyze the causes, impacts, and management strategies of natural disasters such as floods, earthquakes, and cyclones. (10)

(OR)

    C. Discuss the stages of Disaster Management Cycle with example (6)

    D. "Prevention is better than cure in disaster management." Discuss. (10)

12. A. Why are climate-related disasters increasing globally (6)

    B. What are the natural causes of disasters? (10)

(OR)

C. Discuss how climate change is influencing disaster patterns worldwide. (6)

D. Examine the major causes of disasters in developing countries. (10)

13. A. What is the objective of a national disaster management framework (6)

B. Analyze the importance of mitigation and preparedness in reducing disaster losses. (10)

(OR)

C. What is the Sendai Framework for Disaster Risk Reduction? (6)

D. Evaluate the effectiveness of the disaster management cycle in real-life disaster situations. (10)

14. A. Explain the role of national and state authorities in disaster management (6)

B. Explain the institutional framework of disaster management in India under the Disaster Management Act, 2005. (10)

(OR)

C. Discuss the role of local governance (Panchayats and Urban Local Bodies) in disaster risk reduction. (6)

D. Analyze India's disaster preparedness strategy for cyclones and floods. (10)

15. A. Explain the role of remote sensing and GIS in disaster preparedness and mitigation. (6)

B. Explain how satellite technology supports disaster monitoring and damage assessment. (10)

(OR)

C. Explain how technology supports post-disaster recovery and reconstruction (6)

D. Discuss the application of science and technology in the disaster management cycle. (10)

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Diploma in Handloom & Textile Technology

April/ May - 2026 Semester Examination

(Regulation-2021)

Semester : VI Time:3 Hours

Course Code &Title : **HTOE312 Marketing Management & Foreign Trade** Max. Marks:100

PART-A (10×2=20 Marks)

Answer all the questions within two to three sentences

1. List any two objectives of marketing.
2. State the importance of marketing research
3. What is meant by consumer needs?
4. Distinguish between advertising and publicity
5. Name the four elements of the marketing mix.
6. List two methods of market research.
7. List two types of foreign trade
8. What is WTO?
9. What is pre-shipment documentation?
10. List any two terms of payment in export.

PART-B **(**(6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Discuss the role of marketing in a developing economy (6)

    B. Describe the marketing mix and explain its elements in detail. (10)

(OR)

    C. Explain the importance of market segmentation (6)

    D. Describe the different types of market segmentation with examples. (10)

12. A. Explain the concept of consumer behaviour. (6)

    B. Explain the models of consumer behaviour with suitable examples. (10)

(OR)

    C. Explain psychological factors influencing buying behaviour. (6)

D. Describe the economic and social factors influencing consumer buying behaviour in India. (10)

13. A. Explain the concept of marketing mix. (6)

B. Discuss the functions and importance of marketing channels. (10)

(OR)

C. Explain the role of retailers in marketing. (6)

D. Elaborately discuss the scope of personal selling and sales promotion in promoting a product. (10)

14. A. Explain the concept of foreign trade. (6)

B. Describe the different types of foreign trade with examples. (10)

(OR)

C. Explain the concept of MFA. (6)

D. Describe the difference between import, export and re-export trade. (10)

15. A. Explain post-shipment documentation. (6)

B. Describe the purpose of various primary documents used in export. (10)

(OR)

C. Explain the DEPB scheme. (6)

D. Describe the functions and importance of export documentation in export management. (10)

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Diploma in Handloom & Textile Technology

April/ May - 2026 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. Write the objectives of technological developments in handlooms.
2. Write down the merits of placing looms in a systematic organized way.
3. List the name of 4 parts to be used in shedding at improved frame loom.
4. What are the advantages of improved frame loom?
5. Differentiate between 5 wheel take-up motion and worm & worm wheel take up motions.
6. What is the purpose of Drop box in Handloom weaving machine?
7. Mention the techniques to be used for solid boarder weaving.
8. Mention 2 advantages of multiple butta weaving sley.
9. Define semi-automatic handloom.
10. Write down the merits of pneumatic lifting mechanism for Jacquard.

PART-B **(**(6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Write down the layout of placing the looms in systematic organized way and mention its demerits. (6)

    B. With the help of suitable diagram discuss the advantages of single spindle winding machine over hand operated charkha. (10)

(OR)

    C. List the difference and limitations of Hand operated pirn, cheese and bobbin winding charkha used in preparatory processes. (6)

    D. With a neat sketch showing the path of yarn explain the working of single spindle motor operated winding machine. (10)

12. A. List out the importance of angle iron pillars and cross bars used in place of wooden pillars and cross bars in pit loom. (6)

    B. Explain in detail about power operated in-house beaming machine to be used for long length of warp and also mention its advantages. (10)

(OR)

C. Explain the path of warp sheet with suitable diagram in improved frame loom. (6)

D. What do you understand by improved frame loom? With neat sketch explain the mechanism added in improved frame loom. (10)

13. A. Explain with suitable diagram the working principle of worm & worm wheel take-up motion. (6)

B. Explain the vertical Handloom dobby with neat sketch. Write its merits and demerits. (10)

(OR)

C. With a neat sketch explain the use of five wheel take-up motion in semi automatic loom. (6)

D. With neat sketch elaborate the drop box attachment on handlooms. List the advantages over regular shuttle box. (10)

14. A. What is Jacquard? Discuss about weaving on handloom with the help of multiple Jacquards. (6)

B. Elaborate in detail with a neat sketch the working principle of solid boarder weaving sley. List out their advantages. (10)

(OR)

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

D. Elaborate in detail the working principle of twin cloth weaving sley. List their advantages and disadvantages. (10)

15. A. Write short notes on chittaranjan loom. (6)

B. With neat sketch explain the working principle of electric motor operated Jacquard lifting machine. (10)

(OR)

C. Compare the merits and demerits of Nepali pedal loom and Banaras semi automatic loom. (6)

D. With neat sketch explain the electromagnetic lifting mechanism for healed shaft. Write its merits and demerits. (10)

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Diploma in Handloom & Textile Technology

April/ May - 2026 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. Chanderi and Chettinad Cotton Sarees are originated from which states?
2. Write two unique characteristics of Baluchari Silk Saree
3. What is the use of "Tojis" (wooden stick) in kani shawl production
4. Kancheepuram Silk Saree and Kota Doria Saree are originated from which States?
5. Mention two special characteristics for Tanchoi silk sarees
6. Write two different features of Paithani and Pochampally Ikkat Saree.
7. What is the Role of 'Weavers Service Centre' ?
8. Write the name of two states, where Handloom craft villages is established.
9. Write the name of two products which come under the Handloom Reservation of articles for production Act. 1985
10. Mention the objectives of India Handloom Brand.

PART-B ((6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Differentiate between Ilkal Sarees and Bomkai Sarees. (6)

    B. Elaborate the Production Technique, Raw materials used and unique features of Jamdani Sarees (10)

(OR)

    C. Write a short note on Baluchari Saree (6)

    D. Elaborate the Production Technique, Raw materials used and unique features of Banaras Brocade Silk Sarees (10)

12. A. Compare between Maheswari and Mangalgiri Sarees. (6)

B. Elaborate the Production Technique, Raw materials used and unique features of Kancheepuram Silk Sarees (10)

(OR)

C. Write a short note on Siddipet Gollabama Saree (6)

D. Elaborate the Production Technique, Raw materials used and unique features of Pochampally Ikkat Sarees (10)

13. A. Write a short note on Uppada Jamdani Silk Saree (6)

B. Elaborate the Production Technique, Raw materials used and unique features of Tanchoi Silk Sarees (10)

(OR)

C. State the comparison between Venkatagiri and Shantipuri cotton Sarees. (6)

D. Elaborate the Production Technique, Raw materials used and unique features of Tangail Sarees (10)

14. A. State the objectives and benefits of Silk Mark (6)

B. Give a detailed description of the scheme of GOTS (10)

(OR)

C. What are Handloom Mark and IHB? (6)

D. Discuss the Vision and Mission of office of DCH, WSC and Textile committee. (10)

15. A. List any of the 6 articles prohibited for production rather than 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. (10)

I. Jamakkalam Durry or Durret

II. Lungi

(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. (10)

I. Saree.

II. Madras Handkerchief.

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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. Define upholstery with suitable example.
2. Define the term home textiles.
3. Give the factors to be considered in the selection of pot holder.
4. Give the fabric requirements for curtains.
5. What are the essential properties required for towel fabric.
6. Give the difference between comforter and quilt.
7. Give the types of fabric are used for floor coverings.
8. Define carpets and rugs.
9. What type of testing is required for home textiles?
10. Which tests are generally preferred on curtain fabrics?

PART-B **(**(6+10)×5=80 Marks)

Answer all the questions in detail

11. A. Classify the different types of home textiles with example. (6)

    B. Write in detail the different types of living room furnishing products with diagrams. (10)

(OR)

    C. Give the few factors to be considered for selection of home furnishing material. (6)

    D. Explain the different types of table textile with suitable sketches. (10)

12. A. Explain the types of kitchen textiles with neat sketches. (6)

    B. Explain in detail about the various accessories required for draperies construction (10)

(OR)

C. Explain drape and give the required properties for draperies fabrics. (6)

D. Explain the various types of pleats used for making curtains with suitable diagrams. (10)

13. A. Explain about the types of velvet and their uses. (6)

B. Explain the absorbency test in terry fabric with its specific uses. (10)

(OR)

C. Explain about the blankets and its covers constructions. (6)

D. Define care label and explain the various symbols used in care labeling with neat sketch. (10)

14. A. Explain the different types of rugs based on different origins and manufacturing methods. (6)

B. Explain the hand tufting carpet manufacturing process in detail. (10)

(OR)

C. Classify the floor covering materials with example. (6)

D. Explain carpet manufacturing process with suitable sketches. (10)

15. A. Why flammability test is important for home textiles. (6)

B. Describe about the various test used for home textiles. (10)

(OR)

C. Give the care instructions for rugs and carpets. (6)

D. Explain the methods of identification of stains on the home textile products. (10)

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