

Session: 2023-24			
Part A - Introduction			
Subject	ELECTRONICS		
Semester	FOURTH		
Name of the Course	ELECTRONIC PRODUCT TESTING		
Course Code	B23-VOC-205		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC		
Level of the course	100-199		
Pre-requisite for the course (if any)	Physics as a Subject at 4.0 Level (Class XII)		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. To understand the physics of Basic Electronics Devices, Circuits Building and their testing. 2. To understand the different Electronics Component and circuits Testing Process. 3. To test various types of Electronics Components and Products/Circuits for their values, functionality and performance. 4. Locating the fault at component level and at the stage level. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100 (50 Theory + 50 Practical) Internal Assessment Marks: 15 Theory + 15 Practical End Term Exam Marks: 35 Theory + 35 Practical		Exam Time: 3 Hours each for Theory & Practical	
Part B- Contents of the Course			
<u>Instructions for Paper- Setter</u>			
<ol style="list-style-type: none"> 1. Nine questions will be set in all. All questions will carry equal marks. 2. Question No. 1, which will be short answer type covering the entire syllabus, will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each Unit I to IV. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit. 			
Unit	Topics		Contact Hours
I	Fundamentals of Electricity and Electronics: Identification of basic electronic components, ICs, PCBs, Battery & Sensors. Basics of electricity, waveforms, frequency value, peak value, average value of voltage and current. Awareness of tools, testing and measuring instruments – CROs, Multi-meter, Power supplies, LCRs, Signal Generator		8

II	Soldering Practices: Handling of components, Instruments etc. ESD – (Electrostatic discharge). Basics of SMD, its soldering and de-soldering. Basics of Transformer , ICs, thyristors and IGBT testing Pin configuration of some important ICs used in SMPS,UPS and Inverters, testing of Induction cookers.	8
III	Types of Product Testing-I: Acceptance Testing, Type Testing , Safety Testing, Identification of legends, symbols, colour codes, Safety, safety standards, safety certificates (CE, UL and VDE).	7
IV	Types of Product Testing-II: Effect of environmental testing(refer to IEC 60068-1 for guidance), General awareness of quality standards, quality management systems & documentation, Awareness on ISO 17025, ISO 9001, Awareness on disposal of Electronic waste	7
V*	<p>Note: A candidate is required to perform minimum 8 experiments out of the list provided during course of study in this semester and need to prepare a report on an industrial visit.</p> <ol style="list-style-type: none"> 1. Identification of basic Electrical & Electronic components : Resistors, Capacitors, Diode, Transistors, ICs 2. Identification of legend, symbols, colour codes etc. 3. Measurement of current and voltage (AC/DC) using Ammeter and Voltmeter. 4. Measurement of current, voltage and resistance using of Multimeter. 5. Testing of various components using Multimeter. 6. Measurement of amplitude, time period and frequency of signal using CRO. 7. Soldering & de-soldering of various electronic components/ICs on PCB. 8. Testing of Various Household Appliances like Electric Iron/Kettle/ UPS/INVERTER/Personal Computer/SMPS/Tubular Batteries. 9. Interpret details of product such as make, date, availability from the module serial numbers. 	60

Suggested Evaluation Methods

<p>Internal Assessment:</p> <p>➤ Theory 15 Marks</p> <ul style="list-style-type: none"> • Class Participation: 4Marks • Seminar/presentation/assignment/quiz/class test etc.: 4 Marks • Mid-Term Exam: 7 Marks <p>➤ Practicum 15 Marks</p> <ul style="list-style-type: none"> • Class Participation:05 • Seminar/Demonstration/Lab records etc.: 10 Marks 	<p>End Term Examination:</p> <p>35 Marks</p> <p>35 Marks</p>
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Part C-Learning Resources

<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Basic Electronics & Linear Integrated Circuit, N N Bhargava, McGraw-Hill Education - 2. Handbook of Repair and Maintenance of Domestic Electronics Appliances, Shashi Bhushan Sinha, BPB Publication. 3. The Basics Of Testing Electronic Components: A Complete Guide To Test Circuits, Capacitor, Relay, Transistor, Resistor, Diode And Voltage Regulator, by Raffiel Kent.
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Session:2023-24			
PartA-Introduction			
Subject	Tourism and Travel Management		
Semester	III / V		
NameoftheCourse	MICE TOURISM		
CourseCode	B23-VOC-136		
CourseType:(CC/M CC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC		
Level of the course(AsperAnne xure-I	100-199		
Pre- requisiteforthe course(ifany)	NA		
CourseLearningOutcomes(CLO):	After completing this course, the learner will be able to: ----- 1.To remember the concept and significance of MICE tourism 2. To Understand the implications of MICE Tourism. 3. To apply the management of MICE tourism. 4. To analyze the MICE tourism in India. 5. Learn how to plan, organize, market and promote successful meetings and events		
Credits	Theory	Practical	Total
	3	01	4
ContactHours	3	02	5
Max.Marks:100		Time:3 Hours (Theory) :3 Hours (Practical)	
InternalAssessmentMarks:30 (20T+ 10P)			
EndTermExamMarks:70 (50T+20P)			
PartB-ContentsoftheCourse			
InstructionsforPaper-Setter			
The examiner will set 9 questions in all covering the course learning outcomes (CLOs). Question No. 1 will be compulsory and comprises of five parts of 2 marks each. Question No. 2 to 9 will carry 10 marks each, having two questions from each unit. Students are required to attempt 5 questions in all, selecting one question from each unit and the compulsory question.			
Unit	Topics		Contact hours

I	Overview of MICE Tourism <ul style="list-style-type: none"> • Meaning, Evolution and significance of MICE tourism • Different types of MICE events (meetings, incentives, conferences, exhibitions) • Key players and stakeholders in the MICE tourism industry. • Infrastructure requirement/ components of MICE tourism 	12
II	Impacts of MICE Tourism <ul style="list-style-type: none"> • Social Impacts of MICE Tourism. • Economic Impacts of MICE Tourism. • Environmental Impacts of MICE Tourism. • Overall Impact of MICE Tourism on destination. 	11
III	Management of MICE Tourism <ul style="list-style-type: none"> • Process of MICE Tourism Management: Marketing for MICE tourism, Budgeting and financial management for MICE tourism, Event logistics and venue selection, • On- Site Management& Coordination:Managing registrations and participant management, Providing services to participants and Risk management. • Post-event evaluation: Feedback mechanisms, Assessing the impact and success of MICE events.. 	11
IV	MICE Tourism in India <ul style="list-style-type: none"> • MICE Tourism destination in India • Various Convention Centre in India. • Public and Private Sector in MICE tourism. • General guidelines and regulations for MICE tourism in India 	11
V*	<ul style="list-style-type: none"> • Internships and work placements • Event participation and volunteering • Guest lectures from MICE Industry • Plan and organize mock events • Case studies 	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory : 20 <ul style="list-style-type: none"> • Class participation :5 • Seminar/Presentation/Assignment/Quiz/Class Test etc.:5 • Mid-TermExam:10 ➤ Practical: 10 <ul style="list-style-type: none"> • Class Participation : 		End Term Examination: <ul style="list-style-type: none"> Theory : 50 Practical: 20

- Seminar/Demonstration/Viva Voce/lab Record:10
Mid Term;

PartC-LearningResources

RecommendedBooks/e-resources/LMS:

1. Singh, R., Meeting Conference Association, Event and Destination Management, Kanishka Publishers and Distributors, 2006
2. Hoyle, L. H., Dorf, D.C., & Jones, T. J. A., Convention Management and Service. Educational institute of AH & MA., 1995
3. Montgomery, R. & Strick S .K., Meetings, Conventions, and Expositions: An Introduction to the Industry, John Wiley & Sons Inc., 1995
4. Coleman, Lee &Frankle, Powerhouse Conferences. Educational Institute of AH & MA.
5. Hoyle, Dorf& Jones, Meaning conventions & Group business. Educational institute of AH & MA.
6. Lynn Van Der Wagen, Carlos, Event Management, Pearson, New Delhi.
7. Fenich, Meetings, Exposition, Events and Convention, Pearson.
8. Sanjay Singh Gaur, Sanjay V Saggere, Event Marketing Management, Vikas Publication, New Delhi

*Applicable for courses having Practical Component

Session:2023-24			
PartA-Introduction			
Subject	Tourism and Travel Management		
Semester	IV		
NameoftheCourse	GUIDING AND ESCORTING SKILLS IN TOURISM		
CourseCode	B23-VOC-237		
CourseType:(CC/M CC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC		
Level of the course(AsperAnnexure-I	100-199		
Pre- requisiteforthe course(ifany)	NA		
CourseLearningOutcomes(CLO):	After completing this course, the learner will be able to: ----- 1.Familiarizing with the basic requirements of an Escort or a Guide 2. Practicing about effective communication skills. 3. Knowledge about various tour arrangements. 4. Analyze and identify various roles and responsibilities of Escort and Guide. 5.Understand how to manage and lead groups of varying sizes and demographics		
Credits	Theory	Practical	Total
	3	01	4
ContactHours	3	02	5
Max.Marks:100		Time:3Hours (Theory) :3 Hours (Practical)	
InternalAssessmentMarks:30 (20T+ 10P)		EndTermExamMarks:70 (50T+20P)	
PartB-ContentsoftheCourse			
<u>InstructionsforPaper-Setter</u>			
<p>The examiner will set 9 questions in all covering the course learning outcomes (CLOs). Question No. 1 will be compulsory and comprises of five parts of 2 marks each. Question No. 2 to 9 will carry 10 marks each, having two questions from each unit. Students are required to attempt 5 questions in all, selecting one question from each unit and the compulsory question.</p>			
Unit	Topics		Contact hours

I	Basic Requirements and Qualities of an Escort or a Guide <ul style="list-style-type: none"> • Personal grooming, smartness, proper dress sense, hygiene, pleasing personality, hard working. • Etiquettes- how to welcome a visitor, the traditional style of welcoming in north India. • Knowledge of geography, history, art & culture of the place, latest information about frontier formalities, e.g. passport, VISA, foreign exchange etc. 	12
II	Communication Skills <ul style="list-style-type: none"> • Principles of communications, Verbal and non-verbal, personal and organizational, effective communications, communication gaps and barriers. • Audio- visual aids. • Commentary- techniques of commentary 	11
III	Pre Tour Preparation <ul style="list-style-type: none"> • Pre tour research about place, monuments and itinerary, • Pre Tour Documentation • Liaison with local suppliers • Reconfirmation of ground arrangement: Group arrival and departure, welcome at airports/ railway station or hotels. 	11
IV	Role and responsibility of Escort or guide <ul style="list-style-type: none"> • Responsibilities: Ethics, helpful attitude. Knowledge of tourism related laws and acts such as passport act, foreigners act, currency regulations, Immigration checks etc. • Travel Essentials for a Tour Manager 	11
V*	<ul style="list-style-type: none"> • Conduct a guided tour for small group of peers and tourists • Research and present information about a specific destination or attraction • Knowing how to handle emergencies • Develop communication Skills • Customer service simulation • Soft Skill development and grooming 	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory : 20 <ul style="list-style-type: none"> • Class participation :5 • Seminar/Presentation/Assignment/Quiz/Class Test etc.:5 • Mid-Term Exam:10 ➤ Practical: 10 <ul style="list-style-type: none"> • Class Participation:NA • Seminar/Demonstration/Viva Voce/lab Record:10 • Mid Term;NA 		End Term Examination: Theory : 50 Practical: 20

PartC-LearningResources

RecommendedBooks/e-resources/LMS:

REFERENCE :

- Negi, Jagmohan (2007) Tour Guide & Tour Operations: Planning & Organizing, Kanishka Publishers
- Tourist information by Department of tourism, Government of India.
- Visa formalities of different countries. (See websites of countries).
- Asher Mark (1999). *Body Language*, Carlton Books Limited.
- Barker Alan (2007). *Improve Your Communication Skills*, Kogan Page, New Delhi.
- Chaturvedi, P. C. and Chaturvedi, M.(2005). *Business Communication*, Pearson Education.
- Colman. J. C. (1988). *Abnormal Psychology & Modern Life*, Scott Foresman& Company.
- Covey Stephen R. (1990). *The Seven Habits of Highly Effective People*, NY: Fireside/ Simon & Schuster
- Peas Allan(2000) Body language, Sudha Publications
- Sharma Shailja, Chaudhary Nimit (2018) Tour Leadership and Management , SAGE Publications

*Applicable for courses having Practical Component

Session:2023-24			
PartA-Introduction			
Subject	Tourism and Travel Management		
Semester	VI		
NameoftheCourse	INFORMATION & COMMUNICATION TECHNOLOGY IN TOURISM		
CourseCode	B23-VOC-336		
CourseType:(CC/M CC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC		
Level of the course(AsperAnnexure-I)	100-199		
Pre-requisiteforthecourse(ifany)	NA		
CourseLearningOutcomes(CLO):	Aftercompletingthiscourse,thelearner willbeableto: ----- 1.To familiarize with the basic concepts and terminology of computer fundamentals 2. To gain knowledge of various types of information and communication technologies tools 3. To be able to apply different components of information & communication technologies 4. To be able to analyze application of information and communication technologies 5.Learn how to use technology to enhance tourist experience		
Credits	Theory	Practical	Total
	3	01	4
ContactHours	3	02	5
Max.Marks:100		Time:3 Hours (Theory) :3 Hours (Practical)	
InternalAssessmentMarks:30 (20T+ 10P)			
EndTermExamMarks:70 (50T+20P)			
PartB-ContentsoftheCourse			
<u>InstructionsforPaper-Setter</u>			
<p>The examiner will set 9 questions in all covering the course learning outcomes (CLOs). Question No. 1 will be compulsory and comprises of five parts of 2 marks each. Question No. 2 to 9 will carry 10 marks each, having two questions from each unit. Students are required to attempt 5 questions in all, selecting one question from each unit and the compulsory question.</p>			

Unit	Topics	Contact hours
I	Fundamentals of Computer Technology Meaning, Components and Units of a computer system, Characteristics, Features and Uses of computers. Data entry devices, data output devices and storage devices. Introduction to Windows and Basics of MS Office.	12
II	Types of Information and Communication Technologies ICT meaning and important ICT tools. Introduction to Internet; uses and applications in Tourism. Web Portal and Websites: Definition and Meaning. Role and Importance of ICT in Tourism sector.	11
III	Components of Information and Communication Technologies for Tourism E-Commerce: Meaning, Features, Functions and Limitations of E-Commerce. Different E-Commerce Business Models. E Tourism and Online Travel Agency, case study of Yatra.com and Makemytrip.com.	11
IV	Information and Communication Technologies and Digital Marketing Digital Marketing: Concepts, Features. Types of digital marketing: Email marketing, Social Media Marketing, Google Page. Email Marketing: Types of Emails in email marketing, Email Marketing best practices. Social Media Marketing: Social media marketing channels; Facebook, LinkedIn, YouTube, Instagram(concepts and strategies) Google Page: concepts and strategies.	11
V*	Learning online booking systems Using digital marketing to promote a Travel agency Learning E-Commerce in tourism Learning how to use social media for promotion Cybersecurity awareness	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory : 20 • Class participation :5 • Seminar/Presentation/Assignment/Quiz/Class Test etc.:5 • Mid-Term Exam:10 ➤ Practical: 10 • Class Participation :NA • Seminar/Demonstration/Viva Voce/lab Record:10 		End Term Examination: Theory : 50 Practical: 20

Mid Term:NA	
PartC-LearningResources	
<p>RecommendedBooks/e-resources/LMS:</p> <p>Buhalis, D. (2003). e-Tourism: Information technology for strategic tourism management. Pearson education.</p> <p>Hassan, A., & Sharma, A. (Eds.). (2020). The Emerald handbook of ICT in tourism and hospitality. Emerald Publishing Limited.</p> <p>Joseph, P. T. (2019). E-commerce: An Indian perspective. PHI Learning Pvt. Ltd.</p> <p>Leon, A., & Mathews, L. (1999). Fundamentals of information technology. Leon Press.</p> <p>Minazzi, R. (2015). Social media marketing in tourism and hospitality. Springer International Publishing Switzerland.</p> <p>Rajaraman, V., & Adabala, N. (2014). Fundamentals of computers. PHI Learning Pvt. Ltd..</p> <p>Shanker, D. (2008). ICT and Tourism: challenges and opportunities.</p>	

*Applicable for courses having Practical Component