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FOR UTTARAKHAND CLASS 12 PREPARATION

Uttarakhand Board Class 11-12 Syllabus 2027 Inter Vocational Subjects

EXAM	YEAR	TYPE
Uttarakhand Class 12	2027	Syllabus

2026-2027

VOCATIONAL SUBJECTS (INTERMEDIATE- Class 11 & 12)

IT-ITeS (145)

(Junior Software Developer- SSC/Q0508)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 11		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-III	
	Unit 2: Self-management Skills-III	
	Unit 3: Information and Communication Technology (ICT) Skills-III	
	Unit 4: Entrepreneurial Skills-III	
	Unit 5: Green Skills-III	
Part B	**Vocational Skills**	22 Marks
	Unit 1 Software Construction Essentials	
	Unit 2 Operating System and Computer Network	
	Unit 3 Python Programming	
	Unit 4 Data Structure	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**
Class- 12		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-IV	
	Unit 2: Self-management Skills-IV	
	Unit 3: Information and Communication Technology (ICT) Skills-IV	
	Unit 4: Entrepreneurial Skills-IV	
	Unit 5: Green Skills-IV	
Part B	**Vocational Skills**	22 Marks
	Unit 1 Relational Database Management System	
	Unit 2 Advanced Python Programming	
	Unit 3 Software Engineering	
	Unit 4 Emerging Trends and Social Impact	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**

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2026-2027

AUTOMOTIVE (146)

(Automotive Service Technician- ASC/Q1402)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 11	**THEORY: 2 Hrs.**	**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-III	
	Unit 2: Self-management Skills-III	
	Unit 3: Information and Communication Technology (ICT) Skills-III	
	Unit 4: Entrepreneurial Skills-III	
	Unit 5: Green Skills-III	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Engineering Drawing	
	Unit 2: Fasteners	
	Unit 3: Material	
	Unit 4: Measuring Equipment	
	Unit 5: Regular maintenance of an Engine	
	Unit 6: Regular maintenance of transmission system	
	Unit 7: Regular maintenance of Gearbox	
	Unit 8: Servicing of Wheels	
	Unit 9: Maintenance of Brakes	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**
Class- 12	**THEORY: 2 Hrs.**	**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-IV	
	Unit 2: Self-management Skills-IV	
	Unit 3: Information and Communication Technology (ICT) Skills-IV	
	Unit 4: Entrepreneurial Skills-IV	
	Unit 5: Green Skills-IV	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Service Manual	
	Unit 2: Serviceability, Replacement or Repair of Engine Components	
	Unit 3: Transmission system	
	Unit 4: Suspension system	
	Unit 5: Auto Electrical System	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**

2026-2027

RETAIL (147)

(Retail Sales Associate- RAS/Q0104)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 11		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-III	
	Unit 2: Self-management Skills-III	
	Unit 3: Information and Communication Technology (ICT) Skills-III	
	Unit 4: Entrepreneurial Skills-III	
	Unit 5: Green Skills-III	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Fundamentals of Retailing	
	Unit 2: Process of Credit Application	
	Unit 3: Mechanism for Customers to Choose Right Products	
	Unit 4: Specialist Support to Customers	
	Unit 5: Health and Safety Management	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**
Class- 12		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-IV	
	Unit 2: Self-management Skills-IV	
	Unit 3: Information and Communication Technology (ICT) Skills-IV	
	Unit 4: Entrepreneurial Skills-IV	
	Unit 5: Green Skills-IV	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Resolve Customer Concerns	
	Unit 2: Delivery of Reliable Service	
	Unit 3: Customer Relationship Management	
	Unit 4: Continuous Improvement in Service	
	Unit 5: Work in Team & Organization	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**

2026-2027

TOURISM & HOSPITALITY (150)

(Customer Service Executive (Meet and Greet)- THC/Q4205)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 11		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-III	
	Unit 2: Self-management Skills-III	
	Unit 3: Information and Communication Technology (ICT) Skills-III	
	Unit 4: Entrepreneurial Skills-III	
	Unit 5: Green Skills-III	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Introduction to Tourism Industry	
	Unit 2: Introduction to Hospitality Industry	
	Unit 3: Customer Service	
	Unit 4: Prepare for providing Customer Services	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**
Class- 12 **THEORY: 2 Hrs.**		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-IV	
	Unit 2: Self-management Skills-IV	
	Unit 3: Information and Communication Technology (ICT) Skills-IV	
	Unit 4: Entrepreneurial Skills-IV	
	Unit 5: Green Skills-IV	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Etiquette and Hospitable Conduct	
	Unit 2: Gender and Age Sensitive Service Practices	
	Unit 3: Health and Hygiene	
	Unit 4: Safety at Workplace	
	Unit 5: Learn a foreign or local language(s) including English	
	Unit 6: Customer-centric Services	
	PRACTICAL	**50 Marks**
	INTERNAL ASSESSMENT	**20 Marks**
	TOTAL	**100 Marks**

2026-2027

BEAUTY & WELLNESS (151)

(Beauty Therapist- BWS/Q0102)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 11		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-III	
	Unit 2: Self-management Skills-III	
	Unit 3: Information and Communication Technology (ICT) Skills-III	
	Unit 4: Entrepreneurial Skills-III	
	Unit 5: Green Skills-III	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Beauty & Wellness Industry and Beauty Therapy	
	Unit 2: Skincare Services	
	Unit 3: Manicure & Pedicure Services	
	Unit 4: Depilation Services	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**
Class- 12		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-IV	
	Unit 2: Self-management Skills-IV	
	Unit 3: Information and Communication Technology (ICT) Skills-IV	
	Unit 4: Entrepreneurial Skills-IV	
	Unit 5: Green Skills-IV	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Make Up Services	
	Unit 2: Facial Beauty Services	
	Unit 3: Salon Reception Duties	
	Unit 4: Creating Positive Impression at Workplace	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**

2026-2027

AGRICULTURE (153)

(Floriculturist (Open Cultivation)- AGR/Q0701)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 11		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-III	
	Unit 2: Self-management Skills-III	
	Unit 3: Information and Communication Technology (ICT) Skills-III	
	Unit 4: Entrepreneurial Skills-III	
	Unit 5: Green Skills-III	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Introduction to Floriculture	
	Unit 2: Nursery Management	
	Unit 3; Tools and Equipment	
	Unit 4: Field preparation and Cultural Operation	
	Unit 5: Plant Nutrition and Irrigation	
	Unit 6: Insect Pest, Diseases and Weed Management	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**
Class- 12		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-IV	
	Unit 2: Self-management Skills-IV	
	Unit 3: Information and Communication Technology (ICT) Skills-IV	
	Unit 4: Entrepreneurial Skills-IV	
	Unit 5: Green Skills-IV	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Cultivation of Commercial Crop-I	
	Unit 2: Cultivation of Commercial Crop-II	
	Unit 3: Growing of Annuals	
	Unit 4: Growing of Perennials	
	Unit 5: Post Harvest Management and Value Addition	
	Unit 6: Maintain Health and Safety at the workplace	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**

2026-2027

ELECTRONIC & HARDWARE (154)

(Field Technician-Wireman Control Panel- ELE/Q7302)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 11

THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-III	
	Unit 2: Self-management Skills-III	
	Unit 3: Information and Communication Technology (ICT) Skills-III	
	Unit 4: Entrepreneurial Skills-III	
	Unit 5: Green Skills-III	
Part B	**Vocational Skills**	22 Marks
	Unit 1 Basics of Electricity and Electronics	
	Unit 2 Electrical and Electronic Components	
	Unit 3 Components Value Identification	
	Unit 4 Electrical Earthing System	
	Unit 5 Cabling	
	Unit 6 Electrical Safety	
	Unit 7 Tools and Equipment	
	Unit 8 Electromechanical Assembly	
	Unit 9 Wire Preparation Methods	
	Unit 10 Hazards with Panel Assembly and Wiring	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**

2026-2027

ELECTRONIC & HARDWARE (154)

(Field Technician-Wireman Control Panel- ELE/Q7302)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 12

THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-IV	
	Unit 2: Self-management Skills-IV	
	Unit 3: Information and Communication Technology (ICT) Skills-IV	
	Unit 4: Entrepreneurial Skills-IV	
	Unit 5: Green Skills-IV	
Part B	**Vocational Skills**	22 Marks
	Chapter 1 Electrical Power	
	Chapter 2 Busway in Control Panel Design	
	Chapter 3 Circuit Breaker	
	Chapter 4 Installation of Residential Control Panel	
	Chapter 5 Installation of Industrial Control Panel	
	Chapter 6 Installation of a Switchboard	
	Chapter 7 AC Drives and Soft Starters	
	Chapter 8 Electrical Machines	
	Chapter 9 Programmable Logic Controller	
	Chapter 10 Testing and Measurement in an Electrical Panel	
	Chapter 11 Occupational Health and Safety Measures	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**

2026-2027

PLUMBING (156)

(Plumber (General)- PSC/Q0104)

TOTAL MARKS- 100 {30 (Theory) + 50 (Practical) + 20 (Internal Assessment)}

Class- 11		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-III	
	Unit 2: Self-management Skills-III	
	Unit 3: Information and Communication Technology (ICT) Skills-III	
	Unit 4: Entrepreneurial Skills-III	
	Unit 5: Green Skills-III	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Introduction to the sector and the job role	
	Unit 2: Basics of plumbing	
	Unit 3: Preparation for plumbing installation and maintenance	
	Unit 4: Installation of water supply system	
	Unit 5: Installation of drainage system	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**
Class- 12		
THEORY: 2 Hrs.		**30 Marks**
Part A	**Employability Skills**	08 Marks
	Unit 1: Communication Skills-IV	
	Unit 2: Self-management Skills-IV	
	Unit 3: Information and Communication Technology (ICT) Skills-IV	
	Unit 4: Entrepreneurial Skills-IV	
	Unit 5: Green Skills-IV	
Part B	**Vocational Skills**	22 Marks
	Unit 1: Installation of plumbing fixtures	
	Unit 2: Troubleshooting and maintenance for plumbing	
	Unit 3: Health and safety	
	Unit 4: Working effectively with others	
	Unit 5: Optimum utilization of resources	
PRACTICAL		**50 Marks**
INTERNAL ASSESSMENT		**20 Marks**
	TOTAL	**100 Marks**