

## Syllabus for Diploma in Jewellery Design

**Course Title: Diploma in Jewellery Design**

**Duration: 1 year**

**Total Marks: 800**

**Subject Code: DJD**

### Diploma Jewellery Design – Syllabus

Sl. No.	Paper Code	Paper Name	Marks		
			External	Internal	Total Marks
1	DJD - 101	Communication Skills	60	40	100
2	DJD - 102	Introduction to Computers & Elementary Mathematics	60	40	100
3	DJD - 103	Jewellery Design	60	40	100
4	DJD - 104	Gemology	60	40	100
5	DJD - 105	Gold and other Precious Metals	60	40	100
6	DJD - 106	Computer Graphics for Jewellery Designing	60	40	100
7	DJD - 107	<b>Practical – I – Gems and Jewellery Design and Computer Graphics for Jewellery Design</b>	60	40	100
8	DJD - 108	<b>Practical – II - Portfolio Development – Project Work and Viva Voce</b>	60	40	100
				<b>Total</b>	<b>800</b>

## **Detail Syllabus for Diploma (DJD) – Jewellery Design – 1<sup>st</sup> Year**

### **1. Communication Skills**

(Marks 100) Paper Code – DJD - 101

One way and two way communication, essentials of good communication, methods of communication - oral, written and non-verbal, barriers of communication, techniques of overcoming barriers, concept of effective communication, all forms of written communication including – drafting reports, notices, agenda notes, business correspondence, preparation of summaries and précis, telegrams, circulars, representations, press release and advertisements, telephonic communications, essentials of technical report writing, defect reporting, analysis and how to make suggestions, writing personal resume and application for a job, techniques of conducting group discussions, international phonetics of alphabets and numeric.

### **2. Introduction to Computers & Elementary Mathematics**

(Marks 100) Paper Code – DJD - 102

Introduction to Algebra, Trigonometry, Co-ordinate Geometry, Differential and Integral Calculus, Types and Generations of Computers, Number System and Date Representation Scheme, Flow Chart and Computer Application to Business.

### **3. Jewellery Design**

(Marks 100) Paper Code – DJD - 103

Unit No. 1: Introduction to Jewellery Design:

Unit No. 2: Elements of Design:

Unit No. 3: Technical Drawing:

Unit No. 4: Design and Costing

Unit No. 5: Designing for Export and Style Presentations

#### **4. Gemology**

(Marks 100) Paper Code – DJD - 104

Unit No. 1: Introduction to Gemology

Unit No. 2: Properties of Gemstones

Unit No. 3: Varieties of Gemstones

Unit No. 4: Diamond and Other Rare Stones

Unit No. 5: Other Stone Varieties

#### **5. Gold and Other Precious Metals**

(Marks 100) Paper Code – DJD - 105

Unit No. 1: Introduction to Metallurgy

Unit No. 1: Process Methods

Unit No. 1: Recovery and Treatment

Unit No. 1: Assaying and Hallmarking

Unit No. 1: Quality Control

#### **6. Computer Graphics for Jewellery Design**

(Marks 100) Paper Code – DJD – 106

Unit No. 1: Introduction to Graphics

Unit No. 2: Introduction to CorelDraw

Unit No. 3: Advanced Features of CorelDraw

Unit No. 4: Creating Special Effects

Unit No. 5: Introduction to Photoshop

#### **7. Jewellery Design and Computer Graphics - Practical – I**

(Marks 100) Paper Code – DJD – 107

Unit No. 1: Line Drawing

Unit No. 2: Analytical Drawing

Unit No. 3: Measured Drawing

Unit No. 4: Shading Exercise

Unit No. 5: Perspective Drawing

Unit No. 6: Basic Rendering

Unit No. 7: Designing

Unit No. 8: Coordinate Frames

Unit No. 9: Basic Sketching

Unit No. 10: Perspective Drawing

Unit No. 11: Basic Designs

## **8. Portfolio Development -- Practical – II (Project Work and Viva Voce)**

(Marks 100) Paper Code – DJD – 108

Implement the theoretical and practical knowledge gained through the curriculum into an application suitable for a real practical working environment, preferably in an industrial environment.