

Master of Design (M.Des.) Examination 2017

Semester – II

Paper MCG – II/03

Master of Design Ceramic & Glass

Time: 3 Hrs

Full Marks: 80

Questions are of value as indicated in the margin

Answer any four questions Question No. 1 is compulsory

1. What is glass? Type of glass (according to Composition) use by studio glass user (with comparing chart). Write a brief note on Glass Viscosity and Thermal Expansion.
4+10+6
 2. Write a briefly on Kiln form glass. Describe the kiln form glass mould and mould material. Describe glass capability and why is the important for kiln form glass fusing? **6+8 +8**
 3. Write the Approximate firing and cooling cycle of Glass Fusing with 3 (Three) difference thickness of Glass. What is Annealing and Devitrification of glass?
12+8
 4. Write about glass blowing and require tools and equipment. Describe the different shape annealing with the proper drawing.
10+10
 5. Write about colour the glass. Describe details about the glass colouring oxide and their colour outcome.
8+12
 6. Write briefly on safety of studio glass making. Describe toxic elements use in studio glass making
10+10
 7. Write short note on any of the four. **4X5**
 - I. Any two type of Glass Melting Furnace
 - II. Pete-de-Vera and its mould preparation
 - III. Lamp work
 - IV. Glass Decoration
 - V. Diffraction in Glass
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