

Master of Design (M.Des.) Examination, 2019
Semester - II
Specialization in Ceramic & Glass
Paper – MCG-II/03
(Method & Material-II)

Time: Three Hours

Full Marks: 80

Questions are of value as indicated in the margin.

Question No. 1 is compulsory and Answer any four questions from the rest.

1. Why glass is called supper cool liquid? Type of glass (according to Chemical Composition) use by glass designer / studio artist (with comparing chart). Write a brief note on Glass Viscosity and Thermal Expansion. **(3+10+7)**
 2. Write briefly on Kiln form glass. Describe the Pate de Verre. Describe Annealing (glass), and why is the important for kiln form glass? **(5+10+5)**
 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+4+4)**
 4. Write about glass blowing process and details about require tools and equipment. **(10+10)**
 5. Write about colour the glass. Describe details about the glass colouring oxide and their colour outcome. **(8+12)**
 6. Describe in details about the glass melting furnace (Detail Drawing) and the advantage and disadvantage of different furnace. **(18+2)**
 7. Write short note on ***any four*** of the following: **(4×5)**
 - a) Glass Compatibility (COE)
 - b) Pete-de-Vera and its mould preparation
 - c) Lamp work
 - d) Glass Decoration
 - e) Diffracts in Kiln form Glass and its remedies
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