

Department of Industrial & Production Engineering

IPE-205: Manufacturing Processes-I

Class Test-V: Ceramics and Glass

Time: 40 minutes

Marks: 20

Name:

Student No.:

Date:

- | | | |
|------|---|------|
| Q.1. | Compare the major differences between glass, ceramics and metals. Explain why ceramics are weaker in tension than in compression. | [06] |
| Q.2. | What are the general properties of Ceramics? List the properties and applications of <u>cermets</u> ? | [06] |
| Q.3. | With the help of diagrams, discuss the following shaping methods for glass:
(i) Pressing
(ii) Blow forming | [08] |