



MAY-9115

Seat No. _____

B. Arch. (Sem. IX) Examination

November / December – 2016

Structure – V

Time : 3 Hours]

[Total Marks : 120

- Instructions :** (1) Do not write anything other than your seat number on question paper.
(2) Assume suitable data wherever essential and mention it clearly on answer sheet.
(3) Write appropriate units, nomenclature and drawing neat sketches necessary.
(4) Attempt any FIVE.

- 1 Explain in brief advantages and disadvantages of shell structures with necessary illustrations and also brief the work of your favorite architect or building.
- 2 Enlist different types of shell structure depending on the curvature of the surface and also illustrate load carrying mechanism of the same.
- 3 Sketch and name different parts of an Arch and show load transfer mechanism in an arch structure.
- 4 Illustration evolution of different types of vaults and different types of domes from arch.
- 5 Explain different parts and types of folded plates. Also describe factors affecting its construction with technical and economic point of views.
- 6 Sketch and describe flat arch's load transfer mechanism and explain why it is called an arch.