

Instructions to the Students:

1. Figure to the right indicate full marks
2. All questions are compulsory
3. Assume suitable data if necessary

Q.1 Multiple Choice Questions

1. Percentage of silica in a good brick lies between
a) 5-10% b) 20-30% c) 50-60% d) 70-80%
2. Due to rise in temperature the reduction in compressive strength of timber is
a) 1-15% b) 20-40% c) 55-65% d) 70-85%
3. Glass melt at temperature
a) 1500-1600 °C b) 2000-2200 °C c) 300-1400 °C d) 1000 °C
4. Percentage of carbon content in mild steel is
a) < 0.25% b) 0.25-0.7% c) 0.7-1.5% d) > 1.5%
5. Ductility is compressive quality, malleability is tensile quality
a) True b) False
6. Main ingredient of Portland cement
a) lime & silica b) lime & alumina c) silica & alumina d) lime & iron

Q.2 Solve Any Two of the following.

- (A) Mention type of stone masonry and explain any one in detail
- (B) Discuss various test on tile and explain any one
- (C) List out grade of steel? Give advantages and disadvantages of steel

Q.3 Solve Any One of the following.

- (A) Describe in detail with sketch component of RCC structure?
(B) Explain, fine and coarse aggregate? Differentiate advantages and disadvantages of R.C.C