

Question Bank
Concrete Technology 4th Sem
Section A

- Q.1 what do you understand by admixture ? Explain In detail.**
- Q.2 Define aggregates and its types.**
- Q.3 Define concrete and its types. Describe the components of concrete.**
- Q.4 Explain the properties of concrete.**
- Q.5 Explain the factors affecting workability.**
- Q.6 what do you understand by slump test? Explain in detail.**
- Q.7 Explain the properties of concrete in fresh state.**
- Q.8 Explain the properties of concrete in Hard state.**
- Q.9 Define concrete cracks and its types.**
- Q.10 What do you understand by compaction of concrete.**
- Q.11 Explain handling of concrete.**
- Q.12 Explain hot weather concreting.**
- Q.13 Explain cold weather concreting.**
- Q.14 Explain mixing of concrete.**
- Q.15 Explain Storing of cement and batching of material.**
- Q.16 Explain under water concreting.**
- Q.17 What do you understand by strength test of concrete? Explain all test.**
- Q.18 Explain rebound hammer test of concrete.**
- Q.19 what do you understand by prestressed concrete?**
- Q.20 Explain light weight concrete.**

Section B

- Q.1 Write down the IS 456:2000 provision for concrete mix design.**
- Q.2 What do you understand by water cement ratio. What are the factor responsible to disturb the water cement ratio in concrete mix.**
- Q.3 Explain permeability and durability characteristics of concrete.**
- Q.4 Explain concrete resistance to sulphate and acid attack, alkali aggregate reactions.**
- Q.5 Write down the design procedure of mix design according to IS 10262.**
- Q.6 Define prestressed concrete and its types. Write its advantages and disadvantages also.**
- Q.7 Define light weight concrete and its types. Write its advantages and disadvantages also.**
- Q.8 Define Self compacting concrete and its types. Write its advantages and disadvantages also.**
- Q.9 Define pervious concrete and its types. Write its advantages and disadvantages also.**
- Q.10 Define high strength concrete and its types. Write its advantages and disadvantages also.**

SECTION C

- Q.1 Explain shear and bond with respect to concrete.**
- Q.2 Explain concreting under special conditions.**
- Q.3 Explain in detail different types of cement.**
- Q.4 What do you understand by fibre reinforcement and steel reinforced concrete.**
- Q.5 Explain impulse velocity test in detail.**

Q.6 What do you understand by destructive test? explain it.

Q.7 Explain self healing Concrete.

Q.8 what do you understand by curing of concrete.

Q.9 Explain compaction factor test and vee be slump test.

Q.10 Explain properties of cement in detail.