# SRINIX COLLEGE OF ENGINEERING

2nd INTERNAL EXAMINATION-2020

Subject-**Concrete Technology** Semester-4TH

Branch-**CIVIL** Full Mark-**100**

**ANSWER ANY TWENTY QUESTIONS (PART-A)** **[2X20]**

1. (a) Define concrete mix.
   (b) What are the example of artificial light weight aggregate?
   (c) Write down the concrete mix ratio for M20 concrete.
   (d) Which equipment is used for finding the initial time of concrete?
   (e) What is the maximum water cement ratio for plain concrete under moderate condition?
   (f) Full form of NDT is…….
   (g) Write down any two advantages of No-fines concrete.
   (h) Sound ness method can be measured by----------instrument.
   (i) Impact test is done for to know which property of aggregate?
   (j) Thermal conductivity of no fines concrete is……. (Low/high).
   (k) Define bulk density.
   (l) Define polymer concrete.
   (m) Write down some aggregate name used in high density concrete.
   (n) Write down the fineness modulus of fine aggregate.
   (o) What do you mean by batching?
   (p) Mainly in which cases high density concrete is used.
   (q) What are the effects of fibre reinforced concrete?
   (r) Write down any two type of special concrete.
   (s) Full form of LWC is……
   (t) Define self-compacting concrete.
   (u) Define water cement ratio law.
   (v) Initial setting time of OPC is ……

**ANSWER ANY TEN QUESTIONS (PART-B)** **[6×10]**

2. a) Write down a short note on LWC.
   b) Explain BIS method of mix design
   c) Differentiate between segregation and bleeding.

d) Explain any two test of cement.

e) What are the factors affecting in the choice of mix proportion?

f) Write down a short note on bulking of sand and soundness of aggregate.

g) Define workability and explain any one test.

h) Write down the advantages of cellular concrete.

i) Write a short note on self-compacting concrete.

j) Explain natural light weight aggregate.

k) Define creep and what are the factors influencing creep?

l) Explain high performance concrete.

**N.B.- Send your answer sheet in the given E-mail id**

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