END SEMESTER EXAMINATION, NOVEMBER-2018

Semester - 5th

Subject Code: CT-502

CONCRETE TECHNOLOGY

Full Marks-70

Time - Three hours

The figures in the margin indicate for the questions full marks

PART - A

Marks - 25

All questions are compulsory.

- 1. Multiple choice questions
- Mortar? What is the composition of making the
- (a) Cement + Water
- (b) Cement + Water + Sand
- 0 Cement + Water + Sand + Gravel
- (d) Water + Sand + Gravel.

0/CT-502/CT (2)	(vii) In concrete cube test, the standard size of cube is	(vi) Device which is used to find out normal consistency of cement is 2	Fill in the blanks:	(c) Hardness, (d) None of these	(a) Workability (b) Consistency	(v) The easiness of handling concrete is known as	(c) 4.75 mm (d) None of these	(iv) The size of the coarse aggregate is more than 2 (a) 1.16 mm (b) 2.36 mm	(c) Mix proportion (d) None of these	(a) Minimum (b) Maximum	(iii) In M20 concrete M refers to 2	(c) C3A (d) C4AF	(a) C3S (b) C2S .2	(ii) Which compound is liberated higher heat?
70/CT-502/CT (3) [Turn over	(b) Polymer concrete (c) Lightweight concrete		3. Write short notes on:	Answer any five questions.	Marks - 45		(xiii) Concrete is strong in	(xii) Chemical composition has highest content in OPC is	(xi). The total percentage of aggregates in concrete by volume ——.	cement is ———.	(x) The compound which gives the colour to the	(ix) The resistance of an aggregate to compressive forces is known as ——.	size less than ——.	(viii) Fine aggregates are the aggregates having the

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- uses. Write about different types of cement and their
- Discuss the properties of the hardened concrete.
- 6 how they are determined? Discuss the properties of the fresh concrete and
- and how they are determined? What are the different properties of the aggregates
- and uses of admixtures? What are admixtures? What are the different types