## MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUN-SEMESTER END EXAMINATION B.Tech (A. 11.7.10)

	B. Tech. (Agril. Engg.)
Semeste	Academic Year : 2010-17
Course	15 242 crm : 1
Credits	- ( · · · · · · · · · · · · · · · · · ·
Day &	Total Marks : 40
N	Total I. Solve ANY EIGHT and I
	<ol> <li>All questions from SECTION "A".</li> <li>All questions carry equal ment</li> </ol>
	<ol> <li>All questions carry equal marks.</li> <li>Draw neat diagrams and</li> </ol>
	4. Draw neat diagrams wherever necessary.
	SECTION 442
Q.1	a) Explain chemical classification of rooks
	b) What are the various uses of stones?
Q.2	a) What are the constituents of good brick earth?
	b) Enlist and explain in short the operations involved in manufacturing of bricks.
Q.3	a) What are the cement ingredients and their functions?
	b) Explain in brief the setting action of cement.
Q.4	a) What are the functions of sand in mortar?
	b) What are the uses of mortar?
Q.5	a) What are the important properties of cement concrete?
	b) Write in detail about the effect of water - cement ratio in cement concrete.
Q.6	a) Describe the various types of tiles.
	b) Explain in brief the process of manufacturing of tiles.
Q.7	a) What are the qualities of a good timber for various engineering purposes?
	b) What are the different market forms of timber?
Q.8	a) Discuss the classification of plastics in brief.
Q.o	b) What are the different uses of plastic?
0.0	a) Enlist the properties of rubber.
Q.9	b) Explain in short the process of obtaining natural rubber.
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Q.10	b) Define curing. What are the objectives of curing of concrete?
	b) Define curing. What are the objectives of earling of concrete:  SECTION "B"
Q.11	Fill in the blanks.
	1) Gypsum is an example ofrocks.
	2) The in excess makes the cement unsound.
	3) The innermost central portion or core of the tree is called the
	4) A good brick earth should contain 20 to 30% of
0.10	Gran True or False.
Q.12	than ger than Stonework.
	1) Brickwork is stronger than over 1) Brickwork is stronger than over 1) The molten or pasty rock material is known as magma.  2) The molten or pasty rock material is known as magma.
	2) The molten or pasty rock material is a viscous milky juice tapped from 3) Natural rubber is obtained from latex or a viscous milky juice tapped from
	rubber trees.  4) The ordinary cement achieves 90% strength in 28 days.
	4) The ordinary cement actions to the contract of the contract