Program: Civil Engineering Curriculum Scheme: Rev2016 Examination: Second Year Semester IV Course Code: CE-C405 and Course Name: BMCT

Time: 1 hour Max. Marks: 50

For the students:- All the Questions are compulsory and carry equal marks .

Q1.	Asbestos
Option A:	Is an excellent conductor for heat and electricity
Option B:	Is a natural fibrous mineral substance
Option C:	Is composed of hydrous silicates of Potassium and Sodium(KSiO3, 3NaSiO3)
Option D:	Contains iron oxide and silica
Q2.	The standard size of masonry bricks is
Option A:	18 cm x 8 cm x 8 cm
Option B:	19 cm x 9 cm x 9 cm
Option C:	20 cm x 10 cm x 10 cm
Option D:	21 cm x 11 cm x 11 cm
Q3.	Gypsum consists of
Option A:	H ₂ S and CO ₂
Option B:	Lime and H ₂ O
Option C:	CO ₂ and calcium
Option D:	CaSO4 and H ₂ O
Q4.	Due to attack of dry rot, the timber
Option A:	Cracks
Option B:	Shrinks
Option C:	Reduces to powder
Option D:	Bulges
Q5.	Excess of alumina in brick earth makes the brick
Option A:	Impermeable
Option B:	To crack and warp on drying
Option C:	Brittle and weak
Option D:	Lime
Q6.	The constituent of cement which is responsible for all the undesirable properties
	of cement is
Option A:	Di-calcium silicate
Option B:	Tri-calcium silicate
Option C:	Tri-calcium aluminate
Option D:	Tetra calcium alumino ferrite
07	Towns and of a timber to a summer time the six to the s
Q7.	Inner part of a timber log surrounding the pitch, is called
Option A:	Sapwood
Option B:	Cambium layer

Option C:	Hardwood
Option D:	Heart wood
option B.	Treat wood
Q8.	For testing compressive and tensile strength of cement, the cement mortar is made
Q0.	by mixing cement and standard sand in the proportions of
Option A:	1:2
Option B:	1:3
Option C:	1:4
Option C:	1:6
Option D.	1.0
Q9.	The basic purpose of a retarder in concrete is
Option A:	To increase the initial setting time of cement paste in concrete
Option B:	To decrease the initial setting time of cement paste in concrete
Option C:	To render the concrete more water tight
Option C:	To improve the workability of concrete mix
Option D.	10 improve the workability of concrete finx
Q10.	The stretcher bond in brick masonry can be used only when the thickness of wall
Q10.	is
Option A:	90mm
Option B:	180mm
Option C:	200mm
Option D:	230mm
орион В.	25011111
Q11.	Strength of cement concrete primarily depends upon
Option A:	Quality of water
Option B:	Quantity of aggregate
Option C:	Quantity of cement
Option D:	Water-cement ratio
option 2.	THE COMMENT AND
Q12.	Hydraulic lime is obtained by
Option A:	Burning of lime stone
Option B:	Burning of kankar
Option C:	Adding water to quick lime
Option D:	Calcination of pure clay
орион Б.	Culonitation of pare out
Q13.	For testing compressive strength of cement, the size of cube used is
Option A:	50mm
Option B:	70.6mm
Option C:	100mm
Option D:	150mm
option D.	
Q14.	Air entrainment in concrete increases
Option A:	Strength
Option B:	The effect of temp variations
Option C:	Workability
Option D:	The unit weight
option D.	The same weight
Q15.	What is water proofing admixtures?
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	Examination 2020
Option A:	Water repellent materials
Option B:	Water fair material
Option C:	Water absorption material
Option D:	Water adsorption material
Q16.	The pH of Concrete is approximately between
Option A:	2-3
Option B:	5-7
Option C:	8-11
Option D:	12-13
Q17.	Which of the following ingredients of the brick earth enables the brick to retain
	its shape?
Option A:	Alumina
Option B:	Silica
Option C:	Iron
Option D:	Magnesia
Q18.	The main ingredients of Portland cement are
Option A:	Silica and alumina
Option B:	Lime and alumina
Option C:	Lime and silica
Option D:	Lime and iron
Q19.	In a mortar, the binding material is
Option A:	Cinder
Option B:	Cement
Option C:	Surkhi (brick-dust)
Option D:	Sand
Q20.	A good building stone should not absorb water more than
Option A:	5%
Option B:	10%
Option C:	15%
Option D:	20%
Q21.	Le-Chatelier's device is used for determining the
Option A:	Setting time of cement
Option B:	Soundness of cement
Option C:	Tensile strength of cement
Option D:	Compressive strength of cement
Q22.	To retard the initial setting time of cement, the compound responsible, is
Option A:	Tri-calcium silicate
Option B:	Gypsum
Option C:	Di-calcium silicate
Option D:	Tri-calcium aluminate

Q23.	Seasoning of timber is done for
Option A:	Increasing strength of timber
Option B:	Increasing moisture content
Option C:	Decreasing moisture content
Option D:	Smoothening the surface
Q24.	The frog of the brick in a brick masonry is generally kept on
Option A:	Top Face
Option B:	Bottom Face
Option C:	Short Face
Option D:	Long Face
Q25.	The portion of the brick cut across its width and having its length equal to that of
	a full brick, is known as
Option A:	Closer
Option B:	King closer
Option C:	Queen closer
Option D:	Prince closer