Seat No.: Enrolment No

Subject Code: 3110004

BE -SEMESTER 1&2(NEW SYLLABUS) EXAMINATION- WINTER 2018

Date: 10-01-2019

•		Norman Basis of		EDDIG	Date: 10-01-2	1017
	-	Name: BASIC C 0:30 am to 01:0		ERING	Total Marks	• 70
Instr			oo pin		1 Otal Walks	. 70
111501		Attempt all quest	tions.			
	2.	Make suitable as	-	-		
	3.	Figures to the rig	ght indicate full	marks.		
						Marks
Q.1	(a)	Discuss Branch				03
	(b)	Enlist principle	es of planning a	nd describe any or	ne in detail	04
	(c)	Enlist different	types of found	ation and explain	Open footing	07
Q.2	(a)	Explain Applic	ation of Total s	station		03
C	(b)	Explain feature				04
	(c)				n a sloping ground . The first	07
		_		50.000 m . Find or	ut RL of each point and apply	
		arithmetical che				
		0.450,0.560, 0.	785,1.200,2.50	0,3.480,0.320,0.65	55,0.985,1.300	
				OR		
	(c)	The following	bearings were	taken on a clos	ed traverse ABCD find out	07
		internal angles			_	
		Line	FB	BB		
		AB	55°30'	235°00'		
		BC	113°00'	293°30'		
		CD	190°00'	10°00'		
		DA	279°00'	99°00'	_	0.2
Q.3	(a)	Enlist Instrume				03
	(b) (c)			and show all parts	why its segregation in wet and	04 07
	(C)	dry is necessary		ste and describe w	my its segregation in wet and	U/
		ary is necessar.	, .	OR		
Q.3	(a)	Describe prima	ry division of s			03
	(b)	Draw traffic signals for (i) speed limit (ii) No parking 04				
	(c)				lues of water quality standard	07
				lids as per IS 1050	00:2012	
Q.4	(a)	Describe house				03
	(b)			eyors and prismati	*	04
	(c)	Enlist different	bonds of Bric	k and Describe En	nglish bond in detail	07
				OR		
Q.4	(a)	Draw sketch of				03
	(b)	•	•	ey features of BR	18	04
	(c)	Explain Energy	etticient Build	ung		07
0.5		A 01 11 F	11	1		0.2
Q.5	(a)	As a Civil Engi	ineer discuss yo	our role in society		03

	(b)	Explain physical and chemical properties of cement	04
	(c)	Describes characteristics of contour in brief	07
		OR	
Q.5	(a)	Give application of Remote sensing	03
	(b)	Give Dimension of Modular Brick and discuss characteristics of first class	04
		brick	
	(c)	Explain concept and functions of smart cities.	07

Seat No.:	Enrolment No.

BE - SEMESTER- I & II (NEW) EXAMINATION - WINTER 2019

Subject Code: 3110004 Date: 08/01/2020

Subject Name: Basic Civil Engineering

Time: 10:30 AM TO 01:00 PM Total Marks: 70

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

			Marks
Q.1	(a) (b)	Discuss the impact of infrastructural development on economy of country. Enlist various types of cement and discuss the properties of any two.	03 04
	(c)	Define Remote Sensing. Give the applications of remote sensing.	07
Q.2	(a)	Define the following terms: a) Datum b) Change Point c) Contour Interval	03
	(b)	Explain site plan and key plan.	04
	(c)	Enlist various building services and objectives of building services. OR	07
	(c)	Draw a detailed sketch of a cross section of a wall showing the components of the building.	07
Q.3	(a)	Give necessity of town planning.	03
	(b)	Differentiate between plane survey and geodetic survey.	04
	(c)	Enumerate various principles of planning and explain any two in detail.	07
0.0		OR	0.2
Q.3	(a)	Draw traffic signals for (i) speed limit (ii) No parking	03
	(b)	What are the benefits of Green building	04
Ω 4	(c)	Briefly outline causes characteristics and effects of slum.	07 03
Q.4	(a) (b)	Enlist Instruments used in chain surveying Write short note on FSI	03 04
	(c)	Describe water borne diseases with control measures.	07
	(C)	OR	07
Q.4	(a)	Give difference between Surveyors and prismatic compass.	03
	(b)	Give full form of: a) DPC b) MH c) FSL d) BBCC	04
	(c)	Explain various aids and devices used to control and regulate traffic.	07
Q.5	(a)	Differentiate between W.C.B and Q.B system.	03
•	(b)	Explain with sketch the use of Line ranger.	04
	(c)	Write short note on BRTS	07
		OR	
Q.5	(a)	Describe with sketches characteristics of contours.	03
	(b)	Write short note on origin of towns.	04
	(c)	Given below are the bearings of lines of a closed traverse ABCD. Calculate	07
		the interior angles.	

Line	F.B
AB	N45°E
BC	N75°E
CD	S35°W
DA	N65°W

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BE - SEMESTER-1/2 EXAMINATION - WINTER 2021

Subject Code:3110004 Date:25/03/2022

Subject Name:Basic Civil Engineering

Time:10:30 AM TO 01:00 PM **Total Marks:70**

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 4. Simple and non-programmable scientific calculators are allowed.

4. Simple and non-programmable scientific calculators are allowed.			
			Marks
Q.1	(a)	Write basic unit of measurements of length, area and volume in British and Metric system.	03
	(b)	What are the properties of good stone.	04
	(c)	What is intersection? Explain two broad groups of intersections with neat sketches.	07
Q.2	(a)	Describe various principles of zoning.	03
	(b)	Draw and explain with neat sketch of an exogenous tree and show its component parts.	04
	(c)	Explain chemical characteristics of waste water. OR	07
	(c)	What are the elementary principles of building planning? Describe any two.	07
Q.3	(a)	Discuss importance of land use planning.	03
	(b)	Write the general features of earthquake resistant building. Explain any one.	04
	(c)	The following consecutive readings were taken with a dumpy level along a chain line at a common interval of 5m. The position of the instrument was changed after 3 rd , 7th and 10 th readings. Draw out the form of a level book and enter the readings properly. Assume RL of 1 st point as 50.0 meter. Calculate RL of all the points and apply usual checks. Use HI method. The readings are 0.350, 0.580,0.645,1.850,1.935,2.450,1.750,0.360,0.720,1.200,0.920,0.630.	07
		OR	
Q.3	(a)	Discuss functional requirements of residential building.	03
	(b)	Draw any four symbols used in electrical layout.	04
0.4	(c)	Discuss characteristics of contours with suitable sketches.	07
Q.4	(a)	Write types of offsets.	03
	(b)	What are different types of brick bonds? Explain any one.	04
	(c)	Explain various principles of river front development. OR	07
ΩA	(a)	Functions and application of GIS.	03
Q.4	(a) (b)	What do you mean by green building? Write its objectives.	03 04
	(b) (c)	The following are the F.B & B.B of lines of a closed traverse.	07
	(0)	Calculate the interior angles of the traverse.	U/

Calculate the interior angles of the traverse.					
LINE	FB	BB			
AB	150°15'	330°15'			
BC	20°30′	200°30′			
CD	295°45'	115°45'			
DE	218°	38°			
EA	120°30'	300°30′			

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Q.5	(a)	Write importance and objectives of providing house drainage.	03
	(b)	What are the main reasons for the formation of slums?	04
	(c)	Explain classification of buildings based on structure.	07
		OR	
Q.5	(a)	Define smart city. Which are the factors required to become a smart city?	03
	(b)	Write various methods of disposal of solid waste. Explain land filling.	04
	(c)	Write short note on BRTS.	07

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		BE - SEMESTER-I &II (NEW) EXAMINATION - SUMMER-2019	
Subi	iect	Code: 3110004 Date: 11/06/	/2019
		Name: Basic Civil Engineering	
•		2:30 AM TO 01:00 PM Total Mark	s: 70
Instru			100 70
	1.	Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	Marks
Q.1	(a)		03
	(b)		04
	(c)	Enlist various types of civil engineering materials. Discuss types, properties and uses of cement.	07
		properties and uses of cement.	
Q.2	(a)	What is FSI? Discuss in brief.	03
Q.2	(a) (b)		03
	(c)		07
	(-)	OR	
	(c)	Discuss objects and advantages of zoning.	07
Q.3	(a)	What is building services? Explain in brief.	03
	(b)	· · · · · · · · · · · · · · · · · · ·	04
	(c)	Enlist and explain various types of loads acting on building. OR	07
Q.3	(a)		03
	(b)	• • • • • • • • • • • • • • • • • • • •	04
	(c)	Explain with neat sketch various components of building & its functions.	07
Q.4	(a)		03
	(b)		04
	(c)	Explain methods of levelling. OR	07
Q.4	(a)		03
~··	(b)		04
	(c)	Explain chaining on plane ground.	07
Q.5	(a)	Explain smart city and its features.	03
	(b)	Compare BRTS and Metro.	04
	(c)	Discuss Heritage structures & its conservations. OR	07
Q.5	(a)		03
•	(b)	- · · · · · · · · · · · · · · · · · · ·	04
	(c)	Describe mass transportation systems.	07

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BE- SEMESTER-I & II(NEW)EXAMINATION - SUMMER 2022

Subject Code:3110004 Date:08-08-2022

Subject Name:Basic Civil Engineering

Time:10:30 AM TO 01:00 PM

Total Marks:70

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 4. Simple and non-programmable scientific calculators are allowed.

					MARKS		
Q.1	(a)	What is a role of civil engineer in the society?					
	(b)	- · · · · · · · · · · · · · · · · · · ·					
	(c)	•					
		internal angles and correct them if necessary					
		Line	FB	BB			
		PQ	40°00'	220°00'			
		QR	80°25'	260°25'			
		RS	145°50'	325°50'			
		SP	270°50'	90°50'			
				-			
Q.2	(a)	Why the town planning is essential and necessary?					
	(b)	Explain the primary divisions of surveying.					
	(c)	Explain the classification	ation of buildings in	detail.	07		
			OR				
	(c)	Explain the classification	ation of surveying in	detail.	07		
Q.3	(a)) Explain the types of meridians.					
	(b) What points are to be kept in mind while selecting the site for						
		residential building?					
	(c)	Explain in detail feat			07		
			OR		03		
Q.3							
	(b)	• • • • • • • • • • • • • • • • • • • •					
		no-parking and cross road.					
	(c)	Explain the principle	es of building plannir	ng.	07		
Q.4	(a)	Write the adventages	and dis adventages	of riverfront development	03		
Ų.Ŧ	(a) (b)	Write a short note on growth of towns.					
	(c)						
	(C)	country.	or maustral acvero	one the economy of the	07		
		country.	OR				
Q.4	(a)	What is solid waste		ss in brief the classification of	03		
•	()	solid waste.					
	(b)	Discuss the concept	of smart city.		04		
	(c)	-	•	a neat sketch of english bond	07		
	\ - <i>)</i>	and explain it	J	. 6			
Q.5	(a)	Discuss the main rea	sons for the slum for	rmation.	03		

	(b) (c)	Discuss in brief the scope of civil engineering according to field of work. Explain with neat sketch key plan, site plan, and layout plan.				
		OR				
Q.5	(a)	What is the concept of BRTS? Discuss its advantages and dis advantages.	03			
	(b)	Define zoning. Write objectives and principles of zoning.	04			
	(c)	What are the properties of good bricks? Discuss the classification of bricks.	07			
