# Scheme of Teaching and Examination 2018-19 Outcome Based Education(OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2019-20)

#### III SEMESTER B.Tech ( Department of Civil Engineering )

Sl. No.	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/week			Examination				Credits
				Teaching Sett	L	Т	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	BSC	18MAT31	Engineering Mathematics-III	Mathematics	3	1		3	50	50	100	04
2	PCC	18CV32	Mechanics of Materials		3	1		3	50	50	100	04
3	PCC	18CV33	Fluid Mechanics		3	1		3	50	50	100	04
4	PCC	18CV34	Basics Surveying		4	0		3	50	50	100	04
5	PCC	18CVL35	Applied Engineering Geology lab				2	3	50	50	100	01
6	PCC	18CVL36	Surveying Practice-I Lab				2	3	50	50	100	01
7	PCC	18CVL37	Fluid Mechanics-I Lab				2	3	50	50	100	01
8	MP	18PR38	Project-III				2	3	50	50	100	01
9	HCMC	20KANAK310	AaidaKategalu	daKategalu			2	3	50	50	100	01
10	HSMC	18KANKK310	Kannada Kali-3	- Humanities	1		2	3	50	50	100	01
	1		Total	L	14	3	10	27	450	450	900	21

#### **Scheme of Teaching and Examination 2018-19**

#### Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

( Effective from the academic year 2019-20 )

#### IV SEMESTER B.Tech (Department of Civil Engineering)

Sl. No.	Cour	rse Code	Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/wee k				Credits			
No.				Teachir Paper Se	L	Т	P	Duratio n in hours	CIE	SEE Marks	Total Marks	Č
1	BSC	18MAT41	Engineering Mathematics-IV	Mathematics	3	1		3	50	50	100	04
2	PCC	18CV42	Structural Analysis-I		3	1		3	50	50	100	04
3	PCC	18CV43	Hydraulics and Hydraulic Machines		3	1		3	50	50	100	04
4	PCC	18CV44	Building Materials & Construction Technology		4	0		3	50	50	100	04
5	PCC	18CVL45	Building Material Testing Lab				2	3	50	50	100	01
6	PCC	18CVL46	Surveying Practice-II Lab				2	3	50	50	100	01
7	PCC	18CVL47	Fluid Mechanics-II Lab				2	3	50	50	100	01
8	MP	18PR48	Project-IV				2	3	50	50	100	01
9	HSMC	20KANM D410	Mahadasohigalu	- Humanities 1	1		2	3	50	50	100	01
<i>)</i>	помс	18KANKK 410	Kannada Kali-4		1			3			100	01
	•		Total		14	3	10	27	450	450	900	21
	BSC-Basic Science, PCC-Professional Core, HSMC-Humanity and Social Science, MP-Mini Project											

BSC-Basic Science, PCC-Professional Core, HSMC-Humanity and Social Science, MP-Mini Project

# **Scheme of Teaching and Examination 2018-19**

# Outcome Based Education(OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2020-21)

# V SEMESTER B.Tech (Department of Civil Engineering)

Sl.No	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/wee k				Credits			
31.110			Course Title	Teaching Dept. Paper Setting Bo	L	Т	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	Cre
1	PCC	18CV51	Design Of RCC Structural Elements		3	2		3	50	50	100	04
2	PCC	18CV52	Structural Analysis-II		3	2		3	50	50	100	04
3	PCC	18CV53	Basic Geotechnical Engineering		3			3	50	50	100	04
4	PCC	18CV54	Concrete Technology		3			3	50	50	100	04
5	PCC	18CVL55	Computer Aided Building Planning and Drawing-lab				2	3	50	50	100	01
6	PCC	18CVL56	Geotechnical Engineering Lab				2	3	50	50	100	01
7	PCC	18CVL57	Concrete & Highway Material Testing lab				2	3	50	50	100	01
8	MP	18PR58	Project-V				2	3	50	50	100	01
9	HSMC 18HSM59A		Professional Ethics	Humaniti es	1			3	50	50	100	01
<u> </u>	l		Total	1	13	4	8	27	450	450	900	21

PCC-Professional Core, HSMC-Humanity and Social Science, MP-Mini Project

### **Scheme of Teaching and Examination 2018-19**

### Outcome Based Education(OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2020-21)

### VI SEMESTER (Department of Civil Engineering)

Sl.No	Course Code		hing Dept. & Setting Board		Teaching Hours/we ek			Credits				
51.110			Course Title	Teaching Dept. Paper Setting Bo	L	Т	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	Cre
1	PCC	18CV61	Design of Steel Structures		3	2		3	50	50	100	04
2	PCC	18CV62 Advanced Geotechnical Engineering 3			3	50	50	100	04			
3	PEC	18CV631	Highway Engineering		3			3	50	50	100	03
	120	18CV632	Traffic Engineering					ð				0.5
4	OEC	18CV641	Air Pollution & Control		3			3	50	50	100	03
4	OLC	18CV642	Environmental Engineering		3			3	30	30	100	03
5	PCC	18CVL65	Extensive Survey Lab				2	3	50	50	100	01
6	PCC	18CVL66	Software Application Lab				2	3	50	50	100	01
7	PCC	18CVL67	Field Training Lab				2	3	50	50	100	01
8	MP	18PR68	Project-VI				2	3	50	50	100	01
9	HSMC	18HSM69A	Soft skills	Humanities	1		2	3	50	50	100	01
	•		13	2	10	27	450	450	900	19		
	PCC-Professional Core PEC- Professional Elective OEC- Open Elective HSMC-Humanity and Social Science MP-Mini Project											

PCC-Professional Core, PEC- Professional Elective, OEC- Open Elective, HSMC-Humanity and Social Science, MP-Mini Project

#### Scheme of Teaching and Examination 2018-19

#### Outcome Based Education(OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2021-22)

#### VII SEMESTER (Department of Civil Engineering)

Sl.No				ning Dept. & Paper Setting Board	Teaching	Teaching Hours/wee k			Examination			
	Cour	se Code	Course Title	Teaching Dept. & Paper Setting Board	L	Т	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	18CV71	Estimation Costing & Contract Management		3	2		3	50	50	100	04
2	PCC	18CV72	Design of RCC and Steel Structures		3	2		3	50	50	100	04
3	PEC	18CV731 18CV732	Railways, Harbour, Tunnel & Airports Pavement Design		- 3			3	50	50	100	03
4	OEC 18CV741		Municipal and Industrial Waste Water Engineering		3			3	50	50	100	03
5	PCC	18CV742 18CVL75	Hydrology & Irrigation Engineering Environmental Engineering Lab				2	3	50	50	100	01
6	PCC	18CVL76	Computer Aided Detailing of Structure  Lab				2	3	50	50	100	01
7	PEC	18CVL77	Civil Engineering Workshop practice lab				2	3	50	50	100	01
8	MP	18PRJ78	Research Project-VII / field project				2	2	50	50	100	01
9	HSMC	18HSM79	Industrial Psychology & Organizational Behaviour				2	2	50	50	100	01
			Total		12	4	10	25	450	450	900	19

PCC-Professional Core, PEC- Professional Elective, OEC- Open Elective, HSMC-Humanity and Social Science

### **Scheme of Teaching and Examination 2018-19**

# Outcome Based Education(OBE) and Choice Based Credit System (CBCS)

(Effective from the academic year 2021-22)

### VIII SEMESTER B.Tech (Department of Civil Engineering)

Sl.N	Cours	Course Code  Teaching Dept. & Paper Setting Board Hours/we ek		Teaching Hours/we ek		Credits				
0	Cours			Teaching Paper Sett	L/T/P	Duration in hours	CIE Marks	SEE Marks	Total Marks	Cre
1	PROJECT	18PRJ81	Research project/ Field project-VIII		4	3	50	50	100	10
2	INTERNS HIP	TERNS 18CVI82 Internship			08	3	50	50	100	08
		Research projec	Total		12	6	100	100	200	18