

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – CIVIL ENGINEERING : FIRST SEMESTER (2019 - 2020)

B.E (Civil) I Semester								
Course Codee	Name of the Course	Scheme of Instruction			Scheme of Examination			Credits
		Hours per Week			Duration in Hrs	Maximum Marks		
		L	T	P/D		SEE	CIE	
THEORY								
U19HS110EH	English Language and Communication – I	2	-	-	3	60	40	2
U19BS110MA	Engineering Mathematics – I	3	-	-	3	60	40	3
U19BS020PH	Applied Physics	3	1	-	3	60	40	4
U19ES110CS	Introduction to Programming	1	-	-	2	40	30	1
U19ES010CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
U19ES120CE	Engineering Graphics – I	1	-	2	3	60	40	2
PRACTICALS								
U19HS111EH	English Language and Communication Skills Lab-I	-	-	2	3	50	30	1
U19BS021PH	Applied Physics Lab	-	-	2	3	50	30	1
U19ES111ME	Engineering Workshop-I	-	-	2	3	50	30	1
Total		13	1	8	-	490	320	18
Grand Total		22				810		
<i>Note: The left over hours are to be allotted to CC / RC / TC / PDC based on the requirement .</i>								

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – CIVIL ENGINEERING : SECOND SEMESTER (2019 - 2020)

B.E (Civil) II Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS210EH	English Language and Communication – II	2	-	-	3	60	40	2
U19BS210MA	Engineering Mathematics – II	3	-	-	3	60	40	3
U19BS020CH	Applied Chemistry	3	1	-	3	60	40	4
U19ES210CS	Programming for Engineers	3	-	-	3	60	40	3
U19ES220CE	Engineering Graphics – II	1	-	2	3	60	40	2
U19ES210CE	Engineering Mechanics	3	-	-	3	60	40	3
PRACTICALS								
U19HS211EH	English Language and Communication Skills Lab–II	-	-	2	3	50	30	1
U19BS011CH	Chemistry Lab	-	-	2	3	50	30	1
U19ES211CS	Programming Lab	-	-	2	3	50	30	1
U19ES271ME	Engineering Workshop-II	-	-	2	3	50	30	1
TOTAL		15	1	10		560	360	21
GRAND TOTAL					26			920

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – CSE : FIRST SEMESTER (2019 - 2020)

B.E (CSE) I Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS110EH	English Language and Communication – I	2	-	-	3	60	40	2
U19BS110MA	Engineering Mathematics – I	3	-	-	3	60	40	3
U19BS010PH	Semiconductor Physics and Optoelectronic devices	3	1	-	3	60	40	4
U19ES120CS	Programming for Problem Solving	3	-	-	3	60	40	3
U19ES110EC	Introduction to Electronics Engineering	3	-	-	3	60	40	3
U19ES030CE	Engineering Drawing	1	-	2	3	60	40	2
PRACTICALS								
U19HS111EH	English Language and Communication Skills Lab – I	-	-	2	3	50	30	1
U19BS011PH	Applied Physics Lab	-	-	2	3	50	30	1
U19ES121CS	Programming for Problem Solving Lab	-	-	2	3	50	30	1
U19ES111EC	Introduction to Electronics Engineering Lab	-	-	2	3	50	30	1
TOTAL		15	1	10		560	360	21
GRAND TOTAL		26				920		
Left over hours are allocated for Sports / Library / PDC / Proctorial Interaction / CC / RC / TC								

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – CSE : SECOND SEMESTER (2019 - 2020)

B.E (CSE) II Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS210EH	English Language and Communication – II	2	-	-	3	60	40	2
U19BS210MA	Engineering Mathematics – II	3	-	-	3	60	40	3
U19BS010CH	Engineering Chemistry	3	1	-	3	60	40	4
U19ES010EE	Basic Electrical Engineering	2	-	-	3	60	40	3
U19ES010CE	Basic Engineering Mechanics	3	-	-	3	60	40	2
U19ES230CS	Discrete Structures	3	-	-	3	60	40	3
PRACTICALS								
U19HS211EH	English Language and Communication Skills Lab – II	-	-	2	3	50	30	1
U19BS011CH	Chemistry Lab	-	-	2	3	50	30	1
U19ES011EE	Basic Electrical Engineering Lab	-	-	2	3	50	30	1
U19ES021ME	Engineering Workshop	-	-	2	3	50	30	1

TOTAL	16	1	8		560	360	21
GRAND TOTAL	25				920		
Left over hours are allocated for Sports / Library / PDC / Proctorial Interaction / CC / RC / TC							

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – ECE : FIRST SEMESTER (2019 - 2020)

B.E (ECE) I Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS110EH	English Language and Communication – I	2	-	-	3	60	40	2
U19BS110MA	Engineering Mathematics – I	3	-	-	3	60	40	3
U19BS010CH	Engineering Chemistry	3	1	-	3	60	40	4
U19ES140CS	Programming for Problem Solving	3	-	-	3	60	40	3
U19ES010CE	Basic Engineering Mechanics	3	-	-	3	60	40	3

PRACTICALS								
U19HS111EH	English Language and Communication Skills Lab – I	-	-	2	3	50	30	1
U19BS011CH	Chemistry Lab	-	-	2	3	50	30	1
U19ES131CS	Programming for Problem Solving Lab	-	-	2	3	50	30	1
U19ES021ME	Engineering Workshop	-	-	2	3	50	30	1
TOTAL		14	1	8		500	320	19
GRAND TOTAL		23				820		
<u>COURSES OFFERED TO CSE</u>								
THEORY								
U19ES110EC	Introduction to Electronics Engineering	3	-	-	3	60	40	3
PRACTICALS								
U19ES111EC	Introduction to Electronics Engineering Lab	-	-	2	3	50	30	1
Left over hours will be allocated for : Sports / Library / PDC / Proctorial Interaction / CC / RC / TC / ECA / CCA								

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – ECE : SECOND SEMESTER (2019 - 2020)

B.E (ECE) II Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS210EH	English Language and Communication – II	2	-	-	3	60	40	2
U19BS210MA	Engineering Mathematics – II	3	-	-	3	60	40	3
U19BS210PH	Quantum Mechanics and Materials Science	3	1	-	3	60	40	4
U19ES240CS	Object Oriented Programming	3	-	-	3	60	40	3
U19ES250CE	Engineering Drawing	1	-	2	3	60	40	2
U19ES260EE	Basic Electrical Engineering	2	-	-	3	60	40	2
PRACTICALS								
U19HS211EH	English Language and Communication Skills Lab – II	-	-	2	3	50	30	1
U19BS211PH	Engineering Physics Lab	-	-	2	3	50	30	1
U19ES231CS	Object Oriented Programming Lab	-	-	2	3	50	30	1
U19ES261EE	Basic Electrical Engineering Lab	-	-	2	3	50	30	1
TOTAL		14	1	10		560	360	20
GRAND TOTAL		25				920		

Left over hours will be allocated for : Sports / Library / PDC / Proctorial Interaction / CC / RC / TC / ECA / CCA

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – EEE : FIRST SEMESTER (2019 – 2020)

B.E (EEE) I Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS110EH	English Language and Communication -I	2	-	-	3	60	40	2
U19BS110MA	Engineering Mathematics-I	3	-	-	3	60	40	3
U19BS010CH	Engineering Chemistry	3	1	-	3	60	40	4
U19ES120CS	Programming for Problem Solving	3	-	-	3	60	40	3
U19ES010CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
PRACTICALS								
U19HS111EH	English Language and Communication Skills Lab-I	-	-	2	3	50	30	1
U19BS011CH	Chemistry Lab	-	-	2	3	50	30	1
U19ES121CS	Programming for Problem Solving Lab	-	-	2	3	50	30	1
U19ES111ME	Engineering Workshop-I	-	-	2	3	50	30	1
TOTAL		14	1	8	-	500	320	19

GRAND TOTAL	23		820	19
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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – EEE : SECOND SEMESTER (2019 – 2020)

B.E (EEE) II Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS210EH	English Language and Communication-II	2	-	-	3	60	40	2
U19BS210MA	Engineering Mathematics-II	3	-	-	3	60	40	3
U19BS210PH	Quantum Mechanics and Material Science	3	1	-	3	60	40	4
U19ES210EE	Circuit Theory	2	-	-	3	60	40	2
U19ES030CE	Engineering Drawing	1	-	2	3	60	40	2
U19ES210CE	Engineering Mechanics	3	-	-	3	60	40	3
PRACTICALS								
U19HS211EH	English Language and Communication Skills Lab-II	-	-	2	3	50	30	1
U19BS211PH	Engineering Physics Lab	-	-	2	3	50	30	1
U19ES211EE	Electrical Circuits Lab	-	-	2	3	50	30	1

U19ES221ME	Engineering Workshop - II	-	-	2	3	50	30	1
TOTAL		14	1	10	-	560	360	20
GRAND TOTAL		25				920		20

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R19)
B.E. – IT : FIRST SEMESTER (2019 - 2020)

SEMESTER – I								
Course Code	Course Name	Scheme of Instruction			Scheme of Examination			
		Hours per week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS110EH	English Language and Communication – I	2	-	-	3	60	40	2
U19BS110MA	Engineering Mathematics – I	3	-	-	3	60	40	3
U19BS110PH	Semiconductor Physics and Optoelectronic Devices	3	1	-	3	60	40	4
U19ES120CS	Programming for Problem Solving	3	-	-	3	60	40	3
U19ES010EE	Basic Electrical Engineering	2	-	-	3	60	40	2
U19ES030CE	Engineering Drawing	1	-	2	3	60	40	2
PRACTICALS								
U19HS111EH	English Language and Communication Skills Lab-I	-	-	2	3	50	30	1
U19BS111PH	Semiconductor and Optoelectronics lab	-	-	2	3	50	30	1
U19ES121CS	Programming for Problem Solving Lab	-	-	2	3	50	30	1

U19ES011EE	Basic Electrical Engineering Lab	-	-	2	3	50	30	1
Total		14	1	10	--	560	360	20
Grand Total		25			--	920		
<i>The left over hours are to be allotted to Library / Sports / PDC / Proctorial Interaction CC / RC / TC based on the requirement.</i>								

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R19)
B.E. – IT : SECOND SEMESTER (2019 - 2020)

SEMESTER - II								
Course Code	Course Name	Scheme of Instruction			Scheme of Examination			
		Hours per week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS210EH	English Language and Communication – II	2	-	-	3	60	40	2
U19BS210MA	Engineering Mathematics – II	3	-	-	3	60	40	3
U19BS010CH	Engineering Chemistry	3	1	-	3	60	40	4
U19ES010CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
U19ES210IT	Basic Electronics	3	-	-	3	60	40	3
U19PC210IT	Introduction to Python Programming	1	-	2	3	60	40	2
PRACTICALS								
U19HS211EH	English Language and Communication Skills Lab – II	-	-	2	3	50	30	1
U19BS011CH	Chemistry Lab	-	-	2	3	50	30	1

U19ES021ME	Engineering Workshop	-	-	2	3	50	30	1
U19ES211IT	Basic Electronics Lab	-	-	2	3	50	30	1
Total		15	1	10	--	560	360	21
Grand Total		26			--	920		
<i>The left over hours are to be allotted to Library / Sports / PDC / Proctorial Interaction CC / RC / TC based on the requirement.</i>								

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – MECH : FIRST SEMESTER (2019-2020)

B.E (MECH) I Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS110EH	English Language and Communication-I	2	-	-	3	60	40	2
U19BS110MA	Engineering Mathematics-I	3		-	3	60	40	3
U19BS020CH	Applied Chemistry	3	1	-	3	60	40	4
U19ES010CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
U19ES120CE	Engineering Graphics-I	1	-	2	3	60	40	2
U19ES110CS	Introduction to programming	1	-	-	2	40	30	1
PRACTICALS								
U19HS111EH	English Language and Communication Skills Lab-I	-	-	2	3	50	30	1
U19BS011CH	Chemistry Lab	-	-	2	3	50	30	1
U19ES111ME	Engineering Workshop-I	-	-	2	3	50	30	1
TOTAL		13	1	8		490	320	18
GRAND TOTAL		22				810		18
Left over hours allotted to Sports / Library / PDC / Proctorial Interaction / CC / RC / TC / CCA / ECA								

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-19)
B.E. – MECH : SECOND SEMESTER (2019-2020)

B.E (MECH) II Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U19HS210EH	English Language and Communication-II	2	-	-	3	60	40	2
U19BS210MA	Engineering Mathematics-II	3		-	3	60	40	3
U19BS020PH	Applied Physics	3	1	-	3	60	40	4
U19ES220CE	Engineering Graphics-II	1	-	2	3	60	40	2
U19ES210CS	Programming for Engineers	3	-	-	3	60	40	3
U19ES210CE	Engineering Mechanics	3		-	3	60	40	3
PRACTICALS								
U19HS211EH	English language and communication skills Lab-II	-	-	2	3	50	30	1
U19BS021PH	Applied Physics Lab	-	-	2	3	50	30	1
U19ES211CS	Programming Lab	-	-	2	3	50	30	1
U19ES221ME	Engineering Workshop –II	-	-	2	3	50	30	1

TOTAL	15	1	10		560	360	21
GRAND TOTAL	26				920		21
Left over hours allotted to Sports / Library / PDC / Proctorial Interaction / CC / RC / TC / CCA / ECA							