

Textbooks for III Year VI Sem (Civil Engineering) 2019-2020

SN	Course	Title	Author	Call no
1	Water Infrastructure Systems	Water Supply Engineering	S.K. Garg	628.1 GAR
		Water Supply Engineering, Vol. 1	B.C.Punmia, Ashok Jain & Arun Jain	628.1 PUN
2	Digital Entrepreneurship	Digital Transformation Playbook – Rethink Your Business for the Digital Age	Rogers. D	658.4062 ROG
3	Engineering Economics	Engineering Economics	Niall M Fraser	
4	Computer Aided Structural Analysis Lab	Limit State Design of Reinforced Concrete- Vol - II	P C Varghese	624.18341 VAR
5	Concrete and Highway Materials Testing Lab	Concrete and Highway Materials Testing Lab Manual	Presidency University	
6	Extensive Survey Project	Extensive Survey Project Manual	Presidency University	

OPEN ELECTIVES

SN	Course	Title	Author	Call no
1	Computer Aided Building Drawing Lab	Limit State Design of Reinforced Concrete Vol-II	P C Varghese	624.18341 VER
2	Design of Structural Steel Elements	Limit state Design of steel Structures	S.K.Duggal	624.1821 DUG
		Design of Steel Structures	Subramanian .N	624.1821 SUB
3	Urban Transport Planning and Traffic Engineering	Traffic Engineering and Transport Planning	Kadiyali, L R	629.04 KAD
		A Course in Traffic Planning and Designing	Subash C Saxena	

DISCIPLINE ELECTIVES

SN	Course	Title	Author	Call no
1	Design of industrial structures	Advanced Reinforced Concrete Design	N. Krishna Raju	624.18341 KRI
		Design of Steel Structures	Ram Chandra	
		Design of Steel Structures	S K Duggal	624.1821 DUG
		Tall Chimneys - Design and Construction	Manohar S.N	
		Planning of Industrial Structures	Dunham, C.W	
		Transmission Line Structures	Santhakumar A.R. and Murthy S.S.,	
2	Advanced concrete technology	Properties of Concrete (5th Ed.)	Neville A.M	624.1834 NEV
		Concrete Technology: Theory and Practice	Shetty, M.S	624.1834 SHE
		Concrete Technology	Santhakumar A.R	620.136 SAN
3	Industrial wastewater treatment	Industrial Water Pollution Control	Eckenfelder, W.W.,	628.3 ECK
		Theories and practices of Industrial Waste Engineering	N.L. Nemerrow	
		Wastewater engineering Treatment disposal reuse	Metcalf & Eddy	628.3 MET

		Industrial Waste Treatment: Contemporary Practice and Vision for the Future	Nelson Leonard Nemerow	628.4 NEM
		Theories and practices of industrial waste treatment	Nelson Leonard Nemerow	
4	Advanced RCC structures	Reinforced concrete Design	Unnikrishnan Pillai and Devdas Menon	624.18341 PIL
		Advanced Reinforced Concrete Design	P. C. Varghese	624.18341 VAR
		Design of Reinforced Concrete Foundations	P. C. Varghese	624.18341 VAR
		Advanced Reinforced Concrete Design	Krishna Raju. N	624.18341 KRI
5	Repair and Rehabilitation of Structures	CPWD Handbook on Repair and Rehabilitation of RCC buildings	Govt of India Press	
		Learning from failures - Deficiencies in Design, Construction and Service	R.N. Raika	
6	Masonry structures	Structural Masonry	Henry, A.W	624.183 HEN
		Brick and Reinforced Brick Structures	Dayaratnam P	693.2 DAY
7	Reinforced Earth Structures	Designing with Geosynthetics	Robert M. Koerner	624.15 KOE
8	Advanced Design of Steel Structures	Limit State Design of Steel Structures	Duggal S.K	624.1821 DUG
		Design of Steel Structures	N. Subramanian	624.1821 SUB
		Design of Reinforced Concrete Foundations	P. C. Varghese	624.18341 VAR
		Advanced Reinforced Concrete Design	Krishna Raju. N	624.18341 KRI
9	Design of Retaining Structures	Reinforced concrete Design	Unnikrishnan Pillai and Devdas Menon	624.18341 PIL
		Advanced Reinforced Concrete Design	P. C. Varghese	624.18341 VAR
		Reinforced Concrete Structures	B.C. Punmia	624.18341 PUN
		Advanced Reinforced Concrete Design	Krishna Raju. N	624.18341 KRI
10	Structural Dynamics	Structural Dynamics	Mario Paz	624.171 PAZ
		Structural Dynamics: Vibrations & Systems	M. Mukhopadhaya	624.176 MUK
11	Stability of Structures	Theory of Elastic Stability	Timoshenko. S. P and Gere. J. M	531.382 TIM
12	Theory of Elasticity	Theory of Elasticity and Plasticity	Timoshenko and Goodier	531.382 TIM
13	Urban Transportation Planning and traffic engineering	Traffic Engineering and Transportation Planning'	Kadiyali.L.R.	629.04 KAD
14	Climate Change and Sustainable Development	Climate Change and Sustainable Development	R.K. Pachauri	363.73874 PAC
15	Urban flooding: Analysis and Control	Urban Drainage (2nd Ed.)	Butler, D. and Davies, J.W	628.21 BUT
16	Urban air pollution and control	Air pollution and control	M N Rao	
17	Open Channel Flow	Hydraulics And Fluid Mechanics Including Hydraulics Machines	P.N.Modi and S.M.Seth	620.106 MOD

OPEN ELECTIVES				
SN	Course	Title	Author	Call no
1	Robotic Process Automation	Learning Robotic Process Automation	Alok Mani Tripathi	005.1 TRI
		Robotic Process Automation: Guide To Building Software Robots, Automate Repetitive Tasks & Become An RPA Consultant	Richard Murdoch	629.892 MUR
2	Image Processing	Image Processing Principles and Applications	TinkuAcharya and Ajoy K. Ray	621.367 ACH
3	Data Structures	Data Structures: A Pseudocode Approach with C	Richard F Gilberg and Behrouz A Forouzan	005.73 GIL
4	Software Testing and Quality Assurance	Software Testing – Principles and Practices	SrinivasanDesikan and Gopalaswamy Ramesh	005.14 DES
5	Social Network Analytics	Social Network Analysis. Methods and Applications	StanleyWasserman and Katherine Faust	302.011 WAS
6	Digital and Mobile Forensics	Wireless Crime and Forensic Investigation	Gregory Kipper	363.25968 KIP
7	Database Management Systems	Database System Concepts	Silberschatz A, Korth H F and Sudarshan S	005.74 SIL
8	Multimedia and Animations	Multimedia Fundamentals: Vol 1- Media Coding and Content processing	RalfSteinmentz , klaraNaestedt	006.7 STE
9	Programming in Java	Introduction to Java Programming (10 Ed.)	Y. Daniel Liang	006.76 LIA
LINE ELECTIVES				
SN	Course	Title	Author	Call no
1	Programming in Advanced Java	CORE JAVA volume II-Advanced Features	Cay S Horstmann and Cary Gornell	006.76 HOR
2	Programming in C# and .NET Framework	Programming C#	J. Liberty	
		Pro C# 10 and .NET 4 Platform	AndrewTroelsen	005.133 TRO
		The Complete Reference: C#	. Herbert Schildt	005.133 SCH
3	LAMP	Online manuals for Linux, Apache, MySQL, PHP/ Python		
4	Mobile Communications	Mobile Communications	JochenSchiller	621.3845 SCH
5	Parallel Computing	Introduction to Parallel Computing	AnanthGrama, Anshul Gupta, George KarypisandVipin Kumar	005.2 ANA
6	Cloud Computing	Cloud Computing, Implementation, Management and Strategy	John Rittinghouseand James Ransome	004.6782 RIT
7	Data Mining	Introduction to Data Mining	Tan P. N., Steinbach M & Kumar V	006.312 TAN
8	Artificial Intelligence	Artificial Intelligence: A Modern Approach	S. Russell and P. Norvig	006.3 RUS
9	Virtualization	Virtualization: A Beginners Guide	D Ruest and N Ruest	005.43 RUE

10	Mobile Applications Development	Online manuals for Mobile Applications development		
11	Web Services	Service-Oriented Architecture: Concepts, Technology, and Design	Thomas Erl	004.36 ERL
12	Game Theory	Introduction to Game Development	Steve Rabin	
13	Storage Area Networks	Information Storage and Management	G. Somasundaram, AlokShrivastava	025.04 SOM
14	Embedded Systems	Embedded Systems Architecture, Programming and Design	Rajkamal	004.16 RAJ
15	Software Architectures	Evaluating software architectures: Methods and case studies	Paul Clements, Rick Kazman, and Mark Klein	005.1 CLE
16	Advanced Computer Architecture	Computer Architecture: A Quantitative approach		004.22 HEN
17	Programming in Python	Introduction to computer Science using python	. Charles Dierbach	005.133 DIE
		Learning Python (5th Ed.)	Mark Lutz	005.133 LUT
		Invent Your Own Computer Games with Python (4th Ed.)	Al Sweigart	005.133 SWE
18	Information Retrieval	Introduction to Information Retrieval	C. D. Manning, P. Raghavan and H. Schutze	025.04 MAN
		Recommender Systems Handbook	Ricci, F.; Rokach, L.; Shapira, B.; Kantor, P.B. (Eds.),	006.33 RIC
19	Machine Learning	Introduction to Machine Learning (2nd Ed.)	Ethem Alpaydin	006.31 AIP
		Machine Learning: An Algorithmic Perspective	Stephen Marsland	006.31 AIP
20	Graphics Programming	Computer Graphics with OpenGL	3/E Donald D Hearn & M. Pauline Baker	006.6 HEA
21	Robotic Process Automation	Learning Robotic Process Automation	Alok Mani Tripathi	005.1 TRI
		Robotic Process Automation: Guide To Building Software Robots, Automate Repetitive Tasks & Become An RPA Consultant	Richard Murdoch	629.892 MUR
22	Agile Technology	The Art of Agile Development	James Shore and Shane Warden	005.74 SHO
		Essential SCRUM – A Practical Guide to the most popular Agile Process	Kenneth S. Rubin	005.1 RUB
Textbooks for III Year VI Sem (Electrical Electronics Engineering) 2019-2020				
SN	Course	Title	Author	Call no
1	Transmission and Distribution	Course in Electrical Power	Soni Gupta and Bhatnaagar	
2	Digital Signal Processing	Discrete-Time Signal Processing	A. V. Oppenheim and R. W. Shafer	621.3822 OPP
3	Power Electronics	Power Electronics	M.H.Rashid	621.317 RAS

4	Digital Entrepreneurship	Digital Transformation Playbook – Rethink Your Business for the Digital Age	Rogers. D	658.4062 ROG
5	Engineering Economics	Engineering Economics	Niall M Fraser	
6	Control System Lab	Control System Simulation Lab Manual	Presidency University	
7	Digital Signal Processing Lab	Digital Signal Processing Lab Manual	Presidency University	
OPEN ELECTIVES				
SN	Course	Title	Author	Call no
1	Energy Audit	Energy Management, Audit and Conservation (2nd Ed.)	Barun Kumar De	333.79 DEB
2	Research Methodology	Research Methodology: Methods and Techniques	C. R. Kothari	001.42 KOT
3	Smart Grid Technology	Smart Grid - Technology and Applications	Janaka Ekanayake, Kithsiri Liyanage	621.31 EKA
4	Professional Ethics in Engineering	Fundamental of Ethics for Scientists and Engineers	Seebauer, E.G. and Barry, R.L	174.95 SEE
5	Control Systems	Modern Control Engineering	K. Ogata	629.8 OGA
6	Electrical Engineering Lab	Laboratory Courses in Electrical Engineering	Tarnekar S.G.	
7	Nanotechnology Fundamentals and its Applications	Nanostructures and Nanomaterials: Synthesis, Properties and Applications	Guozhong Cao	
DISCIPLINE ELECTIVES				
SN	Course	Title	Author	Call no
1	Microcontroller Applications	8051 Microcontroller and Embedded Systems	Muhammad Ali Mazidi, Janice GillispieMazidi and Rolin D. McKinlay	004.165 MAZ
2	Electrical Machine Design	A Course In Electrical Machine Design	A.K.Sawhney	621.3 SAW
3	Testing and Commissioning of Electrical Equipment	Testing and Commissioning Of Electrical Equipment	S. Rao	621.3 RAO
4	Electrical Drives	Fundamentals of Electrical Drives	G.K Dubey	621.31042 DUB
5	Flexible AC Transmission Systems (FACTS)	Understanding Facts - Concepts and technology of flexible AC Transmission system	N.G.Hungorianand Laszlo gyugyi	621.31913 HIN
6	Electrical Power Quality	Electric Power Quality	Dugan, Roger C, Santoso, Surya, McGranaghan, Mark F/ Beaty, H. Wayne	621.3191 DUG
7	Embedded System Design Using ARM	ARM System Developer's Guide, Designing and Optimizing System Software	Andrew N. Sloss, Dominic Symes, Chris Wright	005.1 SLO
8	Embedded Real Time Systems	Real-time Systems	Jane W. S. Liu	004.33 LIU

9	Electric Power Generation	Electric Power Generation, Transmission and Distribution	S. N. Singh	621.31 SIN
10	Electric Power Utilization	Utilization of Electric Energy	E Openshaw Taylor	621.3 TAY
11	Power system operation and control	Power System Operation and Control (1st Ed.)	K. Uma Rao	621.3191 UMA
		Power Generation Operation and Control (2nd Ed.)	Allen J Wood	621.31 WOO
12	High voltage engineering	High Voltage Engineering (5th Ed.)	S.Naidu and V. Kamaraju	621.31 NAI
		High voltage Engineering fundamentals (2nd Ed.)	E. Kuffel and W.S. Zaengl, J.Kuffel	621.31 KUF
13	Energy management systems and SCADA	Power Generation Operation and Control (2nd Ed.)	Wood, A. J and Wollenberg, B. F	621.31 WOO
14	Advanced control systems	Modern Control Engineering (4th Ed.)	Katsuhiko Ogata	629.8 OGA
		Discrete Time Control Systems (2nd Ed.)	Katsuhiko Ogata	629.8312 OGA
15	Power semiconductor devices	Power Electronics Circuits, Devices and Applications (3rd Ed.)	Rashid M.H	621.317 RAS
16	PWM Converters	High Power Converters and AC drives	T Bin Wu	621.313 WUB
		Operation and Design of Multilevel Inverters	Keith Corzine	
17	Distributed Generation and Microgrid	Renewable Energy- Power for a sustainable future (3rd Ed.)	Godfrey Boyle	621.042 BOY
		Microgrids and Active Distribution Networks	S. Chowdhury, S.P. Chowdhury and P. Crossley	621.3121 CHO
18	Electric Vehicles	Electric Vehicle Technology Explained (2nd Ed.)	James Larminie, John Lowry	
		Electric and Hybrid Vehicles: Design Fundamentals (2nd Ed.)	Iqbal Hussein	629.2293 EHS
19	Finite Element Analysis for Electrical Machines	Finite Elements for Electrical Engineers	Silvester and Ferrari	
		Finite Element Analysis of Electrical Machines	SJ.Salon, Kluwer	
		Computer - Aided, Analysis and Design of Electromagnetic Devices	S.R.H. Hoole	
20	Micro Electro Mechanical Systems	Foundations of MEMS	Chang Liu	
21	Sensors and Transducers	Sensor & transducers (2nd Ed.)	D. Patranabis	681.2 PAT
		Experimental Methods for Engineers (International Ed.)	Holman, J. P	621.4022 HOL

Textbooks for III Year VI Sem (Electrical and Communication Engineering) 2019-2020

SN	Course	Title	Author	Call no
1	Digital Communication	Communication Systems Engineering	J. G. Proakis and M. Salehi	621.382 PRO
2	VLSI Design	CMOS VLSI Design: A Circuits and Systems Perspective	N. Weste and D. Harris	621.39732 WES
3	Antenna and Microwave Engineering	Microwave Devices and Circuits	Samuel Y. Liao	621.3813 LIA
4		Antennas and wave propagation	John D. Kraus and Ronald J. Marhefka and Ahmad S.Khan	621.38254 KRA
5	Digital Entrepreneurship	Digital Transformation Playbook – Rethink Your Business for the Digital Age	Rogers. D	658.4062 ROG
6	Engineering Economics	Engineering Economics	Niall M Fraser	
7	Digital Communication Lab	Digital Communication Lab Manual	Presidency University	
8	VLSI Design Lab	VLSI Design Lab Manual	Presidency University	

OPEN ELECTIVES

SN	Course	Title	Author	Call no
1	Artificial Neural Networks	Neural Networks and Learning Machines	Simon Haykin	006.32 HAY
2	Biomedical Instrumentation	Handbook of Biomedical Instrumentation	R S Khandpur	610.28 KHA
3	Internet of Things	Internet of Things: A Hands-On- Approach	Arshdeep Bahga and Vijay Madiseti	004.678 BAH.
4	Industrial Automation and Control	Introduction to Programmable Logic Controllers (3rd Ed.)	Garry Dunning	004.678 BAH
		Computer based Industrial Control (2nd Ed.)	Krishna Kant	629.8 KRI
5	Computational Intelligence and Machine Learning	Pattern recognition and Machine Learning	C.M.Bishop	006.4 BIS

DISCIPLINE ELECTIVES

SN	Course	Title	Author	Call no
1	Power Electronics	Power Electronics	M.H.Rashid	621.317 RAS
2	Optical Communication	Optical Fiber Communication	Gard Kaiser	621.38275 KEI
3	Mobile Communication	Mobile Communications	Jochen Schiller	621.3845 SCH
		Wireless Communications and Networks	William Stallings	621.382 STA
4	Satellite Communication	Satellite Communications	Dennis Roddy	621.3825 ROD
5	Speech Signal Processing	Digital Speech Processing: Theory and Applications	Lawrance Rabiner and Ronald Schafer	621.3822 RAB
6	Digital Image Processing	Digital Image Processing	Rafael C. Gonzalez and Richard E. Woods	621.367 GON

7	Embedded System Design Using ARM	ARM System Developer's Guide, Designing and Optimizing System Software	Andrew N. Sloss, Dominic Symes, Chris Wright	005.1 SLO
8	Embedded Real Time Systems	Real-time Systems	Jane W. S. Liu	004.33 LIU
9	Fuzzy Logic and its Engineering Applications	Fuzzy Logic with Engineering Applications (4th Ed.)	Timothy J. Ross	511.313 ROS
10	Wireless Communication and Networks	Wireless Communication (2nd Ed.)	Rappaport Theodore S	621.384 RAP
11	Radar Engineering	Radar Engineering	G.S.N. Raju	621.384 RAJ
12	RF Engineering	RF and Microwave Engineering	Frank Gustrau	621.382 GUS
13	Linear Algebra for Communication Engineering	Linear Algebra and Its Applications (4th Ed.)	David C. Lay	512.5 LAY
14	Engineering Applications using Matlab and Labview	MATLAB® Programming for Engineers (4th Ed.)	Stephen J. Chapman	005.133 CHA
		Labview User Manual	National Instruments	
15	Measuring Instruments and Sensors	Electronic Instrumentation and Measurements	David A. Bell	681.2 BEL
16	Network Security	Cryptography and Network Security: Principles and Practice	William Stallings	681.2 BEL
		Cryptography and Network Security	Behrouz A and Forouzan	005.8 FOR
17	Wireless Adhoc Networks	Adhoc Wireless Networks: Architectures and Protocols	Siva Ram Murthy C and Manoj B S	004.65 MUR
		Algorithms and Protocols for Wireless, Mobile Adhoc Networks	Azzedine Boukerche	
18	Photonics	Fundamentals of Photonics	B.E.A. Saleh, and M.C. Teich	
19	Probabilistic Systems Analysis	Introduction to Probability (2nd Ed.)	Dimitri Bertsekas and John N. Tsitsiklis	
20	Optoelectronic Materials	Optical Electronics	A K Ghatak, K Thyagarajan	
		Optoelectronics -An Introduction (3rd Ed.)	J. Wilson, J.F.B. Hawes	

Textbooks for III Year VI Sem (Mechanical Engineering) 2019-2020

SN	Course	Title	Author	Call no
1	Mechatronics	Mechatronics	W.Bolton	670.427 BOL
2	Mechanical Vibrations	Engineering Vibration	Daniel J.Inman	620.3 INM
3	Design of Machine Elements - II	Mechanical Engineering Design	J. E. Shigley	621.815 BUN
4	Digital Entrepreneurship	Digital Transformation Playbook – Rethink Your Business for the Digital Age	Rogers. D.,	658.4062 ROG
5	Engineering Economics	Engineering Economics	Niall M Fraser	
6	Mechanisms, Machines and Design Lab	Mechanism, Machine and Design Lab Manual	Presidency University	
7	Heat and Mass Transfer Lab	Heat and Mass Transfer Lab Manual	Presidency University	
8	Modelling, Simulation and Analysis Lab	CAD/CAM/CIM	P. Radhakrishna	670.285 RAD
		Automation, Production Systems & Computer Aided manufacturing	M. P. Grover	670.2854 GRO
		Finite Elements in Engineering (3rd Ed.)	T.R.Chandrupatla, A.D Belegunde	620.00151535 CHA
		Engineering Analysis with ANSYS Software	Tadeusz Stolarski Y. Nakasone S. Yoshimoto	

OPEN ELECTIVES

SN	Course	Title	Author	Call no
1	Automotive Vehicles	The text book of Automobile Engineering	R.K.Rajput	629.2 RAJ
2	Nanotechnology	NANO: The Essentials: Understanding Nanoscience and Nanotechnology	T.Pradeep	620.5 PRA
3	Engineering Optimization	Engineering Optimization: Theory and Practice	S.S Rao	519.6 RAO
4	Operations Research for Engineers	Operations Research	P. Iyer	658.4034 IYE
5	Operations Management	Operations Management : Theory and practice	B. Mahadevan	658.5 MAH
		Operations Management	Monks, J.G	
		Operations Management	Monks, J.G	
6	Work Study	ILO -Introduction to work study		658.542 INT
		Motion and Time study (7th Ed.)	Ralph M Barnes	658.542 BAR
7	Project Management	Project Management	S.Choudhury	658.404 CHO
8	Organizational Behaviour	Organizational Behaviour	Stephen P Robbins	302.35 ROB
		Organizational Behaviour	Fred Luthans	302.35 LUT
9	Renewable Energy Systems	Non-Conventional Energy Sources	Rai G D,	621.042 RAI
10	Design of Automatic Control Systems	Control Systems	Rai G. D.	

DISCIPLINE ELECTIVES				
SN	Course	Title	Author	Call no
1	Power Plant Engineering	Power Plant Engineering	P K Nag	621.3121 NAG
2	Computer Integrated Manufacturing	Computer Integrated Manufacturing	A. Alavudeen	670.427 ALA
3	Turbomachinery	Fundamentals of Turbomachinery	B.K.Venkanna	621.406 VEN
4	Production Planning and Control	Fundamentals of Production Planning and Control	Stefan N. Chapman	658.5 CHA
5	Product Design and Development	Product Design and Development	Karl T. Ulrich, Steven D. Eppinger	658.5752 ULR
6	Refrigeration and Air Conditioning	Refrigeration and Air-conditioning	Arora C.P	621.56 ARO
7	Computational Fluid Dynamics	Computational Fluid Dynamics: The basics with Applications	John D. Anderson Jr	620.1064 AND
8	Compressible Fluid Flow	Fundamentals of Compressible Flow with Aircraft and Rocket Propulsion	S. M. Yahya	621.51 YAH
9	Flexible Manufacturing Systems	Automation, Production Systems and CIM	Mikell P Groover	670.427 GRO
		FMS Cells and Systems	William W.L	
10	Industrial Engineering Techniques	Production and Operations Management: Concepts, Models and Behavior	Adam & Ebert	658.5 ADA
11	Fundamental of Aerospace Engineering	Flight without Formulae (10 Ed.)	A.C Kermode	629.132 KER
		Mechanics of Flight (5th Ed.)	A.C Kermode	629.1323 KER
12	Robotics	Robotics for Engineers	YoramKoren	
		Industrial Robotics	Mikell P. Groveer, Mitchell Weiss, Roger N. Nagel and Nicholas G Odrey	629.892 GRO
		Robotics	K S Fu, R C Gonzalez and C S G Lee	629.892 FUK
13	Smart Manufacturing	Industry 4.0 The Industrial Internet of Things	Alasdair Gilchirst	004 GIL
		Smart Manufacturing	Shoukat Ali,	004 ALI
14	Tribology and Bearing Design	Fundamentals of Tribology	Basu S K, Sengupta A N., Ahuja B. B	621.89 BAS
		Introduction to Tribology Bearings	Mujumdar B. C.	621.822 MAJ
15	Mechanics of Composite Materials	Composite Science and Engineering	K.K. Chawla	620.118 CHA
		Introduction to composite materials	Hull and Clyne	620.118 HUL
		Fiber Reinforced Composites	P.K.Mallick	
16	Experimental Stress Analysis	Experimental stress analysis	L.S. Srinath, M.R. Raghavan, K. Lingaiah, G. Gargesh, K. Ramachandara& B. Pant	
		Experimental stress analysis	Dally & Riley	
17	Fracture Mechanics	Introduction to Fracture Mechanics	Karen Hellan	
		Fracture of Engineering Brittle Materials	Jayatilake	

18	Hydraulics and Pneumatics	Fluid Power with applications (5th Ed.)	Anthony Esposito	620.106 ESP
		Pneumatics and Hydraulics	Andrew Parr	621.51 PAR
		Hydraulics and Pneumatics	Dr.Niranjana Murthy and Dr.R.K.Hegde	621.51 HED
19	Machine Tool Design	Machine Tool Design	N.K.Mehta	621.9023 MEH
		Principles of Machine Tools	Sen and Bhattacharaya	621.902 SEN
20	Theory of Elasticity	Theory of Elasticity (3rd Ed.)	SP Timoshenko and Goodier	531.382 TIM
		Advanced Mechanics of Solids	LS Srinath	620.105 SRI
21	Theory of Plasticity	Theory of Plasticity (3rd Ed.)	Chakraborty	620.11233 CHA
		Engineering Plasticity	W.Johnson and P.B.Mellor D Van N.O	
22	Non-Destructive Testing	Non-Descriptive Testing	Dr. S. Ramachandran, Mr. T. Raja Santhosh Kumar, Dr. A. Anderson	620.112 RAM
		Practical Non-Destructive Testing	Baldev Raj	620.1127 RAJ
23	Control Engineering	Modern Control Engineering	Katsuhiko Ogata	629.8 OGA
		Control Systems Principles and Design	M. Gopal	629.8 GOP
24	Engineering Dynamics	Engineering Mechanics: Dynamics (6th Ed.)	Meriam, J. L., and L. G. Kraige	
		Classical mechanics	J. R. Taylor	620.104 MER
25	Smart Materials	Analysis and Design	A.V.Srinivasan	
		Smart Materials and Structures	M V Gandhi and B S Thompson	620.11 GAN
26	Advanced Heat Transfer	Heat and Mass Transfer: Fundamentals and Applications (4th Ed.)	Yunus A. Cengel	621.4022 CEN

Textbooks for III Year VI Sem (Petroleum Engineering) 2019-2020

SN	Course	Title	Author	Call no
1	Surface Production Operations	Surface Production Operations Vol. 1 (3rd Ed.)	Ken Arnold and Maurice Stewart	665.5 ARN
2	Natural Gas Engineering	Natural Gas Engineering Handbook	Boyan Guo Ali Ghalambor	665.7 GUO
3	Advanced Reservoir Engineering and Management	Advance Reservoir Engineering	T. Ahmed	622.3382 AHM
		Fundamentals of Reservoir Engineering (17th Ed.)	L. P. Dake,	622.338 DAK
4	Digital Entrepreneurship	Digital Transformation Playbook – Rethink Your Business for the Digital Age	Rogers. D.,	658.4062 ROG
5	Engineering Economics	Engineering Economics	Niall M Fraser	
6	Reservoir Simulation and Modelling Lab	Reservoir Simulation lab manual	Presidency University	

OPEN ELECTIVES				
SN	Course	Title	Author	Call no
1	Polymer Technology	Polymer Science and Technology	Joel R. Fried	668.9 FRI
2	Material Science and Engineering	Materials Science and Engineering: A First Course (6th Ed.)	Raghavan V	MEE 620.11 RAG
DISCIPLINE ELECTIVES				
SN	Course	Title	Author	Call no
1	Pipeline Engineering	Piping and pipeline engineering	George A. Antaki	621.8672 ANT
2	Reservoir Geomechanics	Reservoir Geomechanics	Mark D. Zoback	622.3382 ZOB
3	Health, Safety and Environment	Safety and Reliability in the Oil and Gas Industry: A Practical Approach	B.S. Dhillon	622.8 DHI
		Environmental Control in Petroleum Engineering	John C. Reis	665.6 REI
4	Unconventional Hydrocarbons	A Guide To Coalbed Methane Reservoir Engineering	Jerrald L. Saulsberry, Paul S. Schafer and Ricjard A. Schraufnagel	
		Coal Bed Methane: Principles and Practice (3rd Ed.)	R. E. Rogers	
		Fundamentals of Gas Shale Reservoirs	Reza Rezace	553.285 REZ
		Natural Gas Hydrates – A Guide for Engineers (3rd Ed.)	John Carroll	665.7 CAR
5	Oil Field Development and Reservoir Management	Integrated Reservoir management	Abdus Satter and Ganesh C. Thakur	622.3382068 SAT
		Hydrocarbon exploration and Production	Frank Jahn, Mark Cook and Mark Graham	622.1828 JAH
6	Remote Sensing and GIS	Text book of Remote sensing and GIS	M. Anji Reddy	621.3678 RED
		Introduction to GIS for the Petroleum Industry	Dean E. Gaddy	
7	Unit Operations	Unit operations in chemical engineering (5th Ed.)	W.L. Mc Cab and J.C. Smith and Peter Harriott	660.284 McC