



DEPT. OF HIGHER, TECHNICAL EDUCATION & SKILL DEVELOPMENT
GOVT OF JHARKHAND
OFFICE OF THE PRINCIPAL
GOVERNMENT POLYTECHNIC, SIMDEGA



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BOQ Civil Engineering

Si No	Author	Title	Publisher	Quantity	Remarks
1.	S.Timosenko	Strength of materia			
2.	R.S Khurmu	Strength of materia			
3.	N.Khurmi	Strength of materia			
4.	Dr. R.K.Bansal	Strength of materia			
5.	S.S.Bhavikati	Strength of materia			
6.	N Subramaniam - H.J.Shah	Reinforced Concrete(RCC)			
7.	-B.C.Punmia & Ashok Kr.Jain	Reinforced Concrete(RCC)			
8.	S.K. Duggal	Steel Engineering			
9.	S.S.Bhavikatti	Steel Engineering			
10.	S.Ramanutham	Steel Engineering			
11.	S.K.Khanna & C.E.G. Justo	Highway Engineering			
12.	S.C.Saxena & S.P Arora	Railway Engineering			
13.	S.P. Bindra	Bridge Engineering			
14.	B.C Punmia	Soil Mechanics			
15.	R. K Arora	Soil Mechanics			
16.	N.N. Basak	Surveying			
17.	-B.C. Punmia Vol.1 & Vol.2	Surveying			
18.	G.S. Birdie & J.S. Birdie	Water Supply & Sanitation Engineering			
19.	B.N. Dutta	Estimating & Costing			
20.	N.N. Basak	Environmental Engineering			
21.	Rangwala	Building material			
22.	S.K. Duggal	Building material			
23.	R.K. Bansal	Fluid Mechanics & Hydraulic Machine			

24.	K.Subramanya	Open Channel Flow			
25.	N.N.Basak	Irrigation Engineering			
26.	B.C. Punmia	Irrigation Engineering			
27.	S.K. Garg	Irrigation Engineering			
28	R.K.BANSAL	FLUID MECHANICS & HYDRAULIC MACHINE	LAXMI PUUB		
29	A.R.BASU	FLUID MECHANICS & HYDRAULIC MACHINE	DHANPAT		
30	R.S.KHURMI	FLUID MECHANICS & HYDRAULIC MACHINE	S.CHAND		
31	JJHA	ENGINEERING METEERIAL	KHANNA		
32	B.C.PUNAMIA	BUILDING cONSTRUCTION	LAXMI		
33	RANWALA	BUILDING cONSTRUCTION	CHAROTAR		
34	VAZRANI& CHANDOLA	CIVIL ESTAMATING & CoSTING	KHANNA		
35	SETHI	CONCRET TECHNOLOGY	SCHAND		
36	M.L.GAMBHIR	CONCRET TECHNOLOGY	TMH		
37	B.C.PUNAMIA	SOIL MECHANIL & FOUNDATION ENGINEERING	LAXMI PUB		
38	S.K.GARG	SOIL MECHANIL & FOUNDATION ENGINEERING	KHANNA		
39	A.K.UPADHAYA	SOIL MECHANIL & FOUNDATION ENGINEERING	KATSON		
40	S.K.GARG	WATER SUPPLY ENGINEERING ENVio.ENGG.-1	KHANNA		
41	S.K.GARG	SEWAGE DIPOSAL & AIR POLLUTION ENGG	KHANNA		
42	A.K.UPADHAYA	TRANSPORTATION ENGINEERING	KATSON		
43	VAZRANI& CHANDOLA	RANSPORTATION ENGINEERING VOL-1	KHANNA		
44	VAZRANI& CHANDOLA	RANSPORTATION ENGINEERING VOL-2	KHANNA		
45	R.S.KHURMI	THERMAL ENGG	SCHAND		
46	A.R.BASU	HERMAL ENGG	DHANPAT		
47	SUBRAMANAYAM	ENGG. HYDROLOGY	TMH		



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BOQ Mechanical Engineering

Si No	Author	Title	Publisher	Quantity	Remarks
3.	R K Bansal	Engineering Mechanics			
4.	R S Khurami	Engineering Mechanics			
5.	R S Khurmi	Theory of machine	S Chand Co		
6.	R K Rajput	A course of Thermal Engineering	Laxmi Publication		
7.	Modi Pm & Seth Sm	Hydraulics & fluid Mechanics	Dhanpat Rai & Sons		
8.	V Ganeshan	I C Engine	Tata Mc Graw Hill		
9.	P K Nag	Power Plant Engineering	Tata mc Graw Hill		
10	OP Khanna	Industrial Engg & Management	Dhanpat Rai & Sons		
11	Dr BHKhan	Non-Conventional Energy Recourses	Tata MC Graw Hill		
12	HP Garg	Solar Energy	Tata Mc Graw Hill		
13	R.S khurmi	Refrigeration of Air Condition	S. Chand		
14	P N Rao	CAD/ CAM Principles & Application	Tata Mc Graw Hill		
15	KSubramanyam	One Thousand School problem in Fluid Mechanics	Tata mc Graw hill		
16	Hazra Choudhury	Workshop Technology – part I & II	Media promoters & Publishers Pvt. Ltd		

17	W.A.S Chapman	Workshop Technology –part I & II	ELBS		
18	P. N Rao	Manufacturing Technology Vol –I and vol –II	THM		
19	B. S Raghubanshi	Workshop Technology –VOI I & II			
20	Raghubansi	Workshop Technology	Dhanpat Rai & Sons		
21	Amitabh Ghosh , Malik	Manufacturing Science	East- West press Pvt. Ltd		
22	HMT	Production Technology	Tata Mc Graw Hill		
23	B L Juneja	Manufacturing Technology Metal Cutting & Machine tools	New Age International Limited		
24	Begman	Manufacturing Process	Amsted John Willy and Sons		



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BOQ
EE/EEE

Si No	Author	Title	Publisher	Quantity	Remarks
1.	V.K Mehta and Rohit Mehta	Basic electrical engineering			
2.	B.L.Theraja, A.K.Theraja	A textbook of Electrical Technology	S.Chand. Ltd		
3.	D P kothari and I J Nagratha	“Basic electrical engineering	TMH		
4.	J.B gupta	Electronics device & circuits			
5.	V.K. Mehta	Electronics device & circuits			
6.	Gaikwad	Op Amp			
7.	A.K Sawhne	Electrical & Electronics Measuring Instrument	Dhanpat Rai & Sons		
8.	E.W.Golding	Electrical Measurement & Measuring Instrumen			
9.	A. Chakrabarti	Circuit theory			
10.	Mittal	Network Analysis			
11.	Bhattacharya	Network Analysis and Synthesis			
12.	Van Velcanburg	Network analysis			
13.	Van Velcanburg	Network Synthesis			
14.	Nagrath & Kothari	Electrical Machine			
15.	Ashfaq Hussain	Electrical machine			
16.	P S Bhimbra	Electrical Machine			
17.	B.L. Thareja and A.K. Thareja	Electrical Technology			
18.	K.B. Raina	Electrical Estimation & Costing			
19.	Surjit Singh	Electrical Estimation & Costing			
20.	N. Alagappan S. Ekambara	Electrical Estimation & Costing			
21.	J B Gupta	Power System			
22.	Asfaque Hussain	Power System			

23.	C L Wadwah	Power System			
24.	H. Partab	Modern Electric traction			
25.	J. Upadhyay S.N. Mahendra	Electric traction			
26.	R.B. Brooks.	Electric traction Hand Book			
27.	Jack L. Lindsey	Applied Illumination Engineering			
28.	R. H. Simons, Robert Bean	Lighting Engineering: Applied Calculations			
29.	Casimer M Decusatis	Handbook of Applied Photometry			
30.	S.S. Rao	Electricals Protection & Switchgear			
31.	J.B. Gupta	Maintenance of Electrical Machine			
32.	S. Rao	Testing Commissioning Operation & Maintenance Of Electrical Equipmen			
33.	Madhvi Gupta	Installation Maintenance And Repair Of Electrical Machines And Equipments			
34.	B.P. Patil	Testing And Maintenance Of Electrical Machines			
35.	Hasan Syeed	Automatic Control System			
36.	I. J.Nagrath and M.Gopa	Control System Engineering	New Age International Publishers, 5th Edition, 2007		
37.	M.Gopal	"Control System – Principles and Design	Tata McGraw Hill, 2nd Edition, 2002		
38.	K.S. Fu, R.C. Gonzalez, C.S.G. Lee	Robotics: Control, Sensing, Vision and Intelligence	McGraw Hill Education (India Ed.)		
39.	S.K. Saha	Introduction to Robotics 2/E	McGraw Hill Education (India Ed.)		
40.	R.K. Mittle, I.J. Nagrath	"Robotics and Control"	, McGraw Hill Education (India Ed.)		
41.	B. L. Theraja	Electrical Technology Vol I To IV	S. Chand & Co., New Delhi		
42.	B. V. S. Rao	Operation & Maintenance Of	Media Promoters & Publisher Ltd. Mumbai		

		Electrical Machines Vol - I			
43.	B. V. S. Rao	Operation & Maintenance Of Electrical Machines Vol - II	Media Promoters & Publisher Ltd. Mumbai		
44.	C.J. Hubert	Preventive Maintenance Hand Books & Journals			
45.	B. R. Gupta ,V. Singhal	Power Electronics	S. K. Kataria & Sons		
46.	Muhammad H. Rashid	Power Electronics	Prentice-Hall of India Pvt. Ltd.		
47.	M. D. Singh, K. B. Khanchandani	Power Electronics	Tata McGraw-Hill		
48.	G. K. Dubey	Fundamentals of Electric Drives	Narosa Publishing House		
49.	V. Subrahmanyam	Electric Drives – Concepts and Applications	Tata McGraw-Hill		
50.	P. N. Anathanarayanan	Basic Refrigeration and Air- conditioning	Tata Mcgraw Hill, New Delhi		
51.	M. Adithan, S.C. Laroyia,	Practical Refrigeration and Air-conditioning	New Age International (P) Ltd.		
52.	B.L.THERAJA	ELECTRICAL TECHNOLOGY VOL-1	S.CHAND		
53.	B.L.THERAJA	ELECTRICAL TECHNOLOGY VOL-2	S.CHAND		
54.	B.L.THERAJA	ELECTRICAL TECHNOLOGY VOL-3	S.CHAND		
55.	B.L.THERAJA	ELECTRICAL TECHNOLOGY VOL-4	S.CHAND		
56.	P.S.BHAIMBRA	ELECTRCAL MACHINES	KHANNA		
57.	B.K.MEHATA	ELECTRCAL MACHINES	S CHAND		
58.	A.HUSSIAIN	ELECTRCAL MACHINES	DHANPAT		
59.	J.B.GUPTA	ELECTRCAL MACHINES	KATSON		



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BOQ Computer Science Engineering

Si No	Author	Title	Publisher	Quantity	Remarks
1.	Y.KANETKAR	LET US C	BPB PUBLICATION		
2.	P.K.SINHA	FUNDAMENTAL OF COMPUTER	BPB PUBLICATION		
3.		Computer Fundamentals	KHANNA PUBLISHER		
4.	E. Balagurusamy	Fundamental of Computer	Mc Graw Hill		
5.	Pradeep kr Sinha & Priti Sinha	Computer Fundamental (6 th Edition)	BPB Publication		
6.	Vikash Gupta	Computer Conceptual in C- programming	Dream Tech		
7.	Reema Thereja	Computer Fundamentals and Programming in C	Oxford higher Education		
8.	S.K Srivastava & Deepali Srivastava	C- In Depth	BPB Publication		
9.	E- Balagurusamy	Programming in ANSI-C	Mc Graw Hill		
10.	Ajay Mittal	Programming in C A practical Approach	Pearson		
11.	Reema Tharega	Programming in C	Oxford Higher Education		
12.	B.Ram	Fundamental of Microprocessor & Microcontroller	Dhanpat Rai		
13.	N Sethilkumar M . Saravana S. Jeevanath	Microprocessor & Microcontroller	Oxford Higher Education		
14.	Luis Gibson	Microprocessor			
15.	Forouzan	Data Communications and networking	Mc Graw Hill Edition		
16.	C Xevier	World wide web design with HTML	Mc Graw Hill Edition		
17.	Silberschatz, Galvin Gagne	Operating System Concepts	Wiley 6 th Edition		
18.	Prof . Satish Jain M. Geetha Iyer	Web Designing & Publishing	BPB		



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BOQ Engineering Graphics

Si No	Author	Title	Publisher	Quantity	Remarks
1.	N.D.BHAT	ENGINEERING DRAWING	CHAROTAR		
2.	P.S.GILL	ENGINEERING DRAWING	KATSON		
3.	R.K.DHAWAN	ENGINEERING DRAWING	SCHAND		
4.	URJEET SINGH	ENGINEERING DRAWING	DHANPAT RAI		



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BOQ Communication Skill I & II

Si No	Author	Title	Publisher	Quantity	Remarks
1.	M. ASHRAF RIZVI	EFFECTIVE TECHNICAL COMMUNICATION	TATA MCGRAW HILL COMPANIES.		
2.	KRUSHNA MOHAN, MEERA BANERJI	DEVELOPING COMMUNICATION SKILLS	MACMILLAN		
3.	JOYEETA BHATTACHARYA	COMMUNICATION SKILLS	RELIABLE SERIES		
4.	JAYAKARAN	EVERY ONES GUIDE TO EFFECTIVE WRITING	APPLE PUBLISHING		
5.		COMNICATION SKILL-I	KHANNA PUBLISHER		
6.		COMNICATION SKILL-II	KHANNA PUBLISHER		
7.	NDRAJIT BHATTCHARYA	COMNICATION SKILL	DHANPAT RAI		
8.	Sandhya, . Savithri and P	Communication for Professional Success	ORIENT BLACKSWAN		
9.	R Pushkala & PA Sarada	EI Dorado: A Textbook of Communication Skills	ORIENT BLACKSWAN		
10.	David Green	composition	Macmillan		
11.	Z.N. Patil et el	English for practical purpose	Macmillan		
12.	R.c.Jain	English Grammar and composition	Macmillan		
13.	Editor Mukti Sanyal	English Workplace	Macmillan		
14.	Rodgers	Thesaurus	Macmillan		
15.	Banerji	Developing Communication Skills	Macmillan		
16.		DICTIONARY	ORIENT BLACKSWAN		
17.		DICTIONARY	OXFORDD		



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BOQ Engineering Chemistry I & II

Si No	Author	Title	Publisher	Quantity	Remarks
1	JAIN & JAIN	ENGINEERING CHEMISTRY	DHANPAT RAI		
2	S.CHAWALA	ENGINEERING CHEMISTRY	DHANPAT RAI		
3		CHEMIATRY FOR SEMESTER-1	KHANNA PUBLISHAER		
4		CHEMIATRY FOR SEMESTER-2	KHANNA PUBLISHAER		
5	S.S.DARA	ENGINEERING CHEMISTRY	S.CHAND		
6	S.S.DARA	ENGINEERING CHEMISTRY	S.CHAND		
7		CHEMISTRY CLASS-12 VOL-1 & 2	NCERT		
8		CHEMISTRY CLASS-11 VOL-1 & 2	NCERT		
9	B.K. SHARMA	INDUSTRIAL CHEMISTRY	KRISHNA		



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BOQ Engineering Physics I & II

Si No	Author	Title	Publisher	Quantity	Remarks
1	PANKAJ KUMAR	PHYSICS SEMESTER-1	KHANNA PUBLISHER		
2	PANKAJ KUMAR	PHYSICS SEMESTER-2	KHANNA PUBLISHER		
3	S.L.ARORA	PHYSICS FOR CLASS -11	DHANPAT RAI		
4	S.L.ARORA	PHYSICS FOR CLASS -11	DHANPAT RAI		
5	BEISER	MORDEN PHYSICS5	MC GRAW HILL		
6	VASUDEVA	MORDEN ENGG.PHYsICS	S.CHAND		
7		PHYSICS CLASS-11 VOL-1&2	NCERT		
8		PHYSICS CLASS-12 VOL-1&2	NCERT		
9	788190722452	Engineering Physics-I	VEI		
10	9789380097015	Engineeirng Physics-II	VEI		



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BOQ Engineering Mathematics I , II & III

Si No	Author	Title	Publisher	Quantity	Remarks
1	B.S.GREWAL	HIGHER ENGINEERING MATHEMATICS	KHANNA PUBLISHERS		
2	H.K.DASS	ADV. ENGINEERING MATHEMATICS	S.CHAND		
3	R.S.AGRAWAL	MATHEMATICS CLASS-11	BHARTI BHAWAN		
4	R.S.AGRAWAL	MATHEMATICS CLASS-12	BHARTI BHAWAN		
5	R.D.SHARMA	MATHEMATICS CLASS-11	DHANPAT RAI		
6	R.D.SHARMA	MATHEMATICS CLASS-12	DHANPAT RAI		
7		MATHE MATICS CLASS-11	NCERT		
8		MATHEMATICS CLASS-12 VOL- 1/2	NCERT		
9		MATHEMATICS SEMESTER-1	KHANNA PUBLISHERS		
10		MATHEMATICS SEMESTER 2	KHANNA PUBLISHERS		
11	S.L.LONY	co ORDINATE GEOMETRY	ARIHANT		
12	S.L.LONY	TRIGNOMETRY	ARIHANT		
13	HALL & NIGHT	HIGHER ALGEBRA	ARIHANT		
14	S.K.GOYAL	ALGEBRA	ARIHANT		
15	S.K.GOYAL	CO ORDINATE GEOMETRY	ARIHANT		
16	AMIT.M.AGRAWAL	TRIGNOMETRY	ARIHANT		
17	AMIT.M.AGRAWAL	DIFFERENTIAL CALCULAS	ARIHANT		
18	AMIT.M.AGRAWAL	INTREGAL CALCULAS	ARIHANT		
19	AMIT.M.AGRAWAL	VECTOR & 3D GOMETRY	ARIHANT		
20	V.P.MISHRA	ENGINEERING MATHEMATICS -1	KATSON		

21	88190651868	A Textbook Of Engineering Mathematics-1, (Rtu)	VEI		
22	G. Hardley	Linear Programming			
23	M.D.Raisinghania	Ordinay and partial Differential eqn	S.chand		
24	J.K Goyal , K.P Gupta	Laplace and Fourier Transformation	Pragati edition		