

List of books as per NEP-2020
As per syllabus recommendation

S.No	Title of the book	Author	Publishing house	Quantity
1	Hydraulics and Hydraulic machines	R.S Khurmi	S.chand & co	30
2	Applied Mechanics	R.K Rajput	Lakhshmi publication	30
3	Surveying and leveling	Punmia, B.C	Delhi standard publishers	30
4	Engineering materials	Sharma sk, Mathur	S.chand	30
5	A Text book of building construction	Sk Sharma and Kaul	S.chand	30
6	Principles of Building drawing	MG Shah & CM kale	MacMillan Delhi	30
7	A Text book of concrete technology	Kulkarni, PD, Gosh	Oxford and IBH publishing	30
8	Elements of public health engineering	Duggal, KN	S.Chand	30
9	Fundamentals of irrigation engineering	Bharat singh	Namchand & bros	30
10	A text book of surveying and leveling	Deshpande, R.S	United book corp	30
11	Strength of Materials	Sadhu Singh	Standard publishers	30
12	Civil engineering drawing	Loyal Js	Satyaprakshan	30
13	Reinforced concrete structure vol-I	Punmia BC	Delhi standard publishers	30
14	Highway Engineering	Khanna SK & justo	Namchand and bros	30
15	Railway Engineering	Vaswani , NK		30
16	Soil Mechanics and foundations	Punmia, BC	Standard publishers delhi	30
17	Soft skills for interpersonal communications	S Balasubramiyam	Orient blackswan delhi	30
18	Design of steel structures	Duggal Sk	Standard publishers	30
19	Elements of earthquakes engineering	Jaykrishan and chandrashekan	Sarita prakashan	30
20	Estimating and costing	Mahajan Sanjay	Satyaprakshan	30
21	Construction management and accounts	Harpal singh	TMH	30
22	Maintenance engineering for civil engineers	Nayak BS	Khana publishers	30
23	Environmental engineering	Deswal DS and Deswal SS	Dhanpat Rai	30
24	Prestressed concrete	N Krishna Raju	TMH	30
25	Motion and Time study	Barnas Ralph M	Willy text books	15
26	Electric and Hybrid Vehicles	AK Babu	Khanna Publishing house	15
27	Production Technology	HMT Bangalore	TMH	15
28	Tool Design	Donaldson anglin	TMH	15
29	Energy Technology	Op Gupta	Khanna Publishing	15

List of Books for 1st and 2nd semester of Civil Engineering and Mechanical Engineering Branch

S.No	Title of the book	Author	Publishing house	Quantity
1	Language and Communication skills -I	Sharanjit Kaur Vidhu Puri	Eagle's	60
2	Mathematics - I		Eagle's	30
3	Physics -I		Eagle's	30
4	Chemistry and Environmental Science		Eagle's	30
5	Engineering Graphics		Eagle's	60
6	Mathematics-II		Eagle's	60
7	Language and Communication skills -II	Sharanjit Kaur Vidhu Puri	Eagle's	60
8	Applied Mechanics	Er. Arun Bangotra,	Eagle's	30

MTS-I

Semester:1

Max.Marks=40

Min. Marks=20

Attempt all questions.

Q1. Define Engineering Drawing.List any three types of scales used in engineering drawing.

Q2.Differentiate between First angle and 3rd angle projection.

Q3.What do you mean by RF and construct a scale of 1:4 to show centemetres and long enough to measure upto 5 decimetres.

Q4.A point P is 15mm above the horizontal plane and 25mm behind the vertical plane.Draw the projection of point P.

OR

Draw the projection of a line AB 5cm long which is 10cm in front and above the vertical and horizontal plane respectively and is parallel to both the planes.

Q5. Draw the Front view and Top view of the given figure using 1st angle projection