

**Basket of Generic Open Elective Course under NEP-2020 curriculum for
Semester-I of the Under Graduate Programme**

Faculty Science and Technology

(Science Group)

Sr. No	Discipline /Subject	Course Code	Title
1	Physics	129203	Space Science (The Wonders of Physics)
2	Physics	129204	Non-conventional Energy Sources
3	Chemistry	108202	Chemistry in Everyday Life
4	Chemistry	108203	Pollution & Remedies
5	IndustrialChemistry	120202	Cleaning Products I
6	IndustrialChemistry	120203	Herbal Cosmetics I
7	Petrochemical Science	128202	Introduction of Petroleum and Their Uses
8	Petrochemical Science	128203	Introduction of Petroleum origin and exploration
9	ForensicScience	117202	CriminologyI
10	ForensicScience	117203	Applied Forensic Science
11	Botany	107203	Plant Health Care
12	Botany	107204	Kitchen Gardening
13	Mathematics	126202	Foundation of Mathematics
14	Mathematics	126203	Financial Mathematics-I
15	Statistics	132203	Statistics in Social and behavioural Science (Useful for Competitive Examination)
16	Statistics	132204	Statistics for Competitive Examination
17	Zoology	133203	Economic Zoology
18	Zoology	133204	Wildlife Ecotourism
19	Apiculture	100261	Honey Bees and Environment
20	Apiculture	100262	Colony organization and bees.
21	Biochemistry	103202	Biochemistry in Health and Disease
22	Biochemistry	103203	Plant Biotechnology
23	Microbiology	127202	Communicable diseases and their control
24	Microbiology	127203	Food preservation and food safety
25	Food Science	116202	Principles Food Preservation
26	Food Science	116203	Fundamentals of food processing
27	Computer Science/Computer Applications (Regular/voc)/ Information Technology/Data Analysis	112500	Information Communication Technology
28	Computer Science/Computer Applications (Regular/voc)/ Information Technology/Data Analysis	112501	Business Data Processing
29	Geology	119203	Introduction to Geology
30	Geology	119204	Physical Geology

31	Environmental Science	114261	Energy and Environment
32	Environmental Science	114262	sustainable Development
33	Bioinformatics	104401	Cell and Molecular Biology
34	Bioinformatics	104402	Operating system
35	Biotechnology	106401	Microbial Technology
36	Biotechnology	106402	Developmental Biology
37	Electronics	113203	GOEC – 1 CCTV Installationand maintenance
38	Electronics	113204	GOEC-2: E-Waste Management
39	English	125205	Practical English Grammar for Professionals
40	English	125206	Effective English Communication and Soft Skills Development
41	Hindi	125243	हिंदीभाषासिक्थन:भाग-1
42	Hindi	125244	हिंदीभाषासिक्थन:भाग-2
43	Marathi	125227	O.ETheory PaperIO.E1 अ8यासर्फ का1 पर्ापरक ामराठ भाषाव त्याकरणभाग2 O.ETheory PaperII
44	Marathi	125228	O.E2 अ8यासर्फ का2 पर्ापरक ामराठ भाषावत्याकरणभाग
45	Sanskrit	125265	सं कृतनीतकथा-1(तितोपदेशतः लाभः)
46	Sanskrit	125266	सं कृतनी तकथा-2 (f तोपदेशःसु5+ेद,करणम)
47	Urdu	125283	Functionaland CommunicativeUrdu
48	Urdu	125284	Urdu Afsana
49	B. Tech (Cosmetic)	399105	Beauty Culture-I
50	B. Tech (Cosmetic)	399106	Herbal Cosmetic
51.	Computer Application (General)	109271	Information Communication Technology
52.	Computer Application (General)	109272	Business Data Processing
53.	Data Analytics	112271	Information Communication Technology
54.	Data Analytics	112272	Business Data Processing
55.	Data Science and Analytics	135271	Information Communication Technology
56.	Data Science and Analytics	135272	Business Data Processing
57.	Computer Application (Vocational)	110271	Information Communication Technology
58.	Computer Application (Vocational)	110272	Business Data Processing
59.	Information Technology	123271	Information Communication Technology
60.	Information Technology	123272	Business Data Processing

**Basket of Generic Open Elective Course under NEP-2020 curriculum for
Semester-II of the Under Graduate Programme**

Faculty Science and Technology

(Science Group)

Sr. No	Discipline /Subject	Course Code	Title
1	Physics	129208	Medical Physics
2	Physics	129209	Physics Behind Every Day Life
3	Chemistry	108207	Food Safety, Adulteration and Detection
4	Chemistry	108208	Entrepreneurship in Chemistry
5	Industrial Chemistry	120207	Cleaning Products II
6	Industrial Chemistry	120208	Herbal Cosmetics II
7	Petrochemical Science	128207	Introduction of Petrochemical and Their Uses
8	Petrochemical Science	128208	Introduction to production of synthesis gas and their uses
9	Forensic Science	117207	Applied Forensic Chemistry and Toxicology
10	Forensic Science	117208	Criminology II
11	Botany	107208	Floriculture and Value Additions
12	Botany	107209	AYUSH
13	Mathematics	126207	Numerical Ability-I
14	Mathematics	126208	Mathematics for Social Sciences
15	Statistics	132208	Business Analytics I (Useful for marketing Strategies)
16	Statistics	132209	Business Analytics II (useful for marketing Strategies and forecasting)
17	Zoology	133208	Human Health and Infectious Diseases
18	Zoology	133209	Animal Behaviour and Ecology
19	Apiculture	100263	Bee flora and Foraging
20	Apiculture	100264	Nesting and social behaviour of bees.
21	Biochemistry	103207	Nutritional Biochemistry
22	Biochemistry	103208	Biochemical Toxicology
23	Microbiology	127207	Microbes for Sustainable Agriculture
24	Microbiology	127208	Composting and Biogas Technology
25	Food Science	116211	Technology of Fruits and Vegetables Processing
26	Food Science	116208	Technology of Milk and Milk Products
27	Computer Science/Computer Applications (Regular/voc)/ Information Technology/Data Analysis	112502	E Business
28	Computer Science/Computer Applications (Regular/voc)/ Information Technology/Data Analysis	112503	Website Design Principles

29	Geology	119208	Rivers of India
30	Geology	119209	Mountains of India
31	Environmental Science	114263	Solid Waste Management
32	Environmental Science	114264	Water and Water Resources
33	Bioinformatics	104403	Basics of C Programming
34	Bioinformatics	104404	Biological data base Management system
35	Biotechnology	106403	Elementary forensic science
36	Biotechnology	106404	Bioethics and Biosafety
37	Electronics	113208	GOEC-3:Maintenance and Trouble shooting of Electronic Appliances
38	Electronics	113 209	Computer Hardwareand Maintenance
39	English	125207	English Language Proficiency for Professionals
40	English	125208	English Language Acquisition through Literature
41	Hindi	125245	हिंदी संक्षेपणके मा.यम
42	Hindi	125246	विवाद और लेखन कौशल
43	Marathi	125229	O.E Theory Paper III O.E 3 अ8यास पं का3 परीक्षा परीक्षा मराठी भाषा व्याकरण भाग 3
44	Marathi	125230	O.E 4 Theory Paper IV O.E 4 अ8यास पं का IV परीक्षा परीक्षा मराठी भाषा व्याकरण भाग 4
45	Sanskrit	125267	संस्कृत की तत्कथा-3 (पञ्चतन्त्र में मिश्र भेद)
46	Sanskrit	125268	संस्कृत की तत्कथा-4 (पञ्चतन्त्र में मिश्र भेद)
47	Urdu	125285	Inshayiya Nigari
48	Urdu	125286	Acquisition through Literature
49	B. Tech (Cosmetic)	399205	Beauty Culture-II
50	B. Tech (Cosmetic)	399206	Fundamental Cosmetic Chemistry
51	Computer Application (General)	109273	E Business
52	Computer Application (General)	109274	Website Design Principles
53	Data Analytics	112273	E Business
54	Data Analytics	112274	Website Design Principles
55	Data Science and Analytics	135273	E Business
56	Data Science and Analytics	135274	Website Design Principles
57	Computer Application (Vocational)	110273	E Business
58	Computer Application (Vocational)	110274	Website Design Principles
59	Information Technology	123273	E Business
60	Information Technology	123274	Website Design Principles

Basket of Generic Open Elective Course under NEP-2020 curriculum for Semester-III of the Under Graduate Programme

Faculty Science and Technology

(Science Group)

Sr.No.	Discipline /Subject	Course Code	Title
1.	Environmental Science	114265	Ecotourism and Environmental Ethics.
2.	Chemistry	108217	Chemistry for Competitive Examinations
3.	Forensic Science	117217	Forensic Science for competitive Exam
4.	Industrial Chemistry	120217	Green Chemistry Approaches in Agro Formulations
5.	Petrochemical Science	128217	Overview of petroleum and Petrochemical
6.	Physics	129218	Solar Energy and Its Applications
7.	Food Science	116217	Overview to food and nutrition
8.	Bio-chemistry	103217	Human Reproductive health and Blood Components
9.	Microbiology	127217	Applied Microbiology for Day to Day Life
10.	Mathematics	126217	Reasoning Ability
11.	Statistics	132218	Application of Statistics in Finance
12.	Botany	107218	Traditional Health Care
13.	Geology	119218	Environmental geology
14.	Zoology	133218	Ornithology Insights
15.	Electronics	113218	Solar Power Plant Installation and Maintenance
16.	Bio-Technology	106404	Adulteration and prevention
17.	Bio-informatics	104405	Health and Nutrition
18.	Science Languages English	125209	Shakespearean Drama
19.	Marathi	125233	नेतृत्व कौशल्य (Leadership Skills)
20.	Hindi	125249	हृदय की जग
21.	Sanskrit	125269	के तमोतमो पश्यतः समालोक्यते
22.	Urdu	125289	Mintaq-e-Barar ka Nasri Adab (منطقہء رار (ادب نثری ک اب رار
23.	Computer Application (General) (109)	109504	E Content Development
24.	Computer Science	112504	E Content Development
25.	Information Technology (123)	123504	E Content Development
26.	Computer Application (Vocational) (110)	110504	E Content Development
27.	Data Analytics (134)	134504	E Content Development
28.	Data Science and Analytics (135)	135504	E Content Development
29.	B. Tech (Cosmetic)	399307	Science of Nutraceutical
30.	Computer Application (General)	109275	E Content Development
31.	Data Analytics	112275	E Content Development
32.	Data Science and Analytics	135275	E Content Development
33.	Computer Application (Vocational)	110275	E Content Development
34.	Information Technology	123275	E Content Development

Basket of Generic Open Elective Course under NEP-2020 curriculum for Semester-IV of the Under Graduate Programme

Faculty Science and Technology

(Science Group)

Sr.No.	Discipline /Subject	Course Code	Title
1.	Environmental Science	114266	Global environmental issues
2.	Chemistry	108225	Chemistry for Sustainable Agriculture
3.	Forensic Science	117225	Advanced Techniques in Forensic Science
4.	Industrial Chemistry	120225	Natural and Eco friendly Dyes
5.	Petrochemical Science	128225	I Chemical based on Some Paraffin and Olefin
6.	Physics	129226	Physics in Agriculture
7.	Food Science	116225	Food quality and sensory evaluation
8.	Bio-chemistry	103225	Biochemistry of food Digestion
9.	Microbiology	127225	Microbiology for Human Health
10.	Mathematics	126224	Competitive Mathematics
11.	Statistics	132227	Financial Statistics
12.	Botany	107226	Wonders of Plant World
13.	Geology	119226	Disaster management
14.	Zoology	133226	Ophidiology and Arachnology
15.	Electronics	113226	From the basket of Open Elective (Basics of Biomedical Instrumentation)
16.	Bio-Technology	106405	Food Processing & Preservation
17.	Bio-informatics	104406	R- programming
18.	Science Languages English	125210	Short Stories
19.	Marathi	125234	सादरीकरण कौशल्य (Presentation Skills)
20.	Hindi	125250	हो ही कहें
21.	Sanskrit	125270	हो तसो तस्या फजल सदापाशु
22.	Urdu	125290	Mintaq-e-Barar ka Shairi Adab (منطقہء بار بار (ادب شاعری کا اب رار
23.	Computer Application (General) (109)	109505	Web Technologies
24.	Computer Science (112)	112505	Web Technologies
25.	Information Technology (123)	123505	Web Technologies
26.	Computer Application (Vocational) (110)	110505	Web Technologies
27.	Data Analytics (134)	134505	Web Technologies
28.	Data Science and Analytics (135)	135505	Web Technologies
29.	B. Tech (Cosmetic)	399407	Cosmetology
30.	Computer Application (General)	109276	Web Technologies
31.	Data Analytics	112276	Web Technologies
32.	Data Science and Analytics	135276	Web Technologies
33.	Computer Application (Vocational)	110276	Web Technologies
34.	Information Technology	123276	Web Technologies