

**Syllabus for Sessional Test  
(Even Semester)  
2nd Semester (Civil)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
200027/21	Fundamentals of IT	Unit I	Unit II & Unit III	Unit IV & Unit V
220022/21	Applied Mathematics-II	Unit I & II	Unit III & Unit IV (4.1)	Unit IV (4.2, 4.3) & Unit V
220023/21	Applied Physics-II	Unit I & Unit II (2.1, 2.2, 2.3)	Unit II (2.4, 2.5) & Unit III	Unit IV & Unit V
220724	Construction Material	Unit I & Unit II (3)	Unit II (4) & Unit III (5), (6)	Unit IV & Unit V
220021/21	Applied Mechanics	Unit I	Unit II, Unit III & Unit IV (5)	Unit IV (6) & Unit V
220026/21 2826	Environmental Studies & Disaster Management	Unit I & Unit II	Unit III & Unit IV	Unit V
220725	Civil Engg. Practices	Building Drawing (Part A) (Drawing no. 1 to 4)	Building Drawing Part A (Drawing no. 5 & 6), Irrigation Engg. Drawing (Part-B) Drawing no. 7 & 8	Irrigation Engg. Drawing (Part-B) Drawing no. 9 to 12

**Syllabus for Sessional Test  
(Even Semester)  
2nd Semester (Computer)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220821	Advances in IT	Unit I	Unit II & Unit III	Unit IV & Unit V
220022/21	Applied Mathematics-II	Unit I & II	Unit III & Unit IV (4.1)	Unit IV (4.2, 4.3) & Unit V
220023/21	Applied Physics-II	Unit I & Unit II (2.1, 2.2, 2.3)	Unit II (2.4, 2.5) & Unit III	Unit IV & Unit V
220824	Analog Electronics	Unit I	Unit II & Unit III	Unit IV & Unit V
220025	Engineering Graphics	Unit I	Unit II	Unit III, Unit IV & Unit V
220827	Multimedia Applications	Unit I & Unit II	Unit III	Unit IV & Unit V
220026/21 2826	Environmental Studies & Disaster Management	Unit I & Unit II	Unit III & Unit IV	Unit V

**Syllabus for Sessional Test  
(Even Semester)  
2nd Semester (Electrical)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220022/21	Applied Mathematics-II	Unit I & II	Unit III & Unit IV (4.1)	Unit IV (4.2, 4.3) & Unit V
220023/21	Applied Physics-II	Unit I & Unit II (2.1, 2.2, 2.3)	Unit II (2.4, 2.5) & Unit III	Unit IV & Unit V
220921	Electrical Networks	Unit I & Unit II (2.1 to 2.4)	Unit II (2.5 to 2.7) & Unit III	Unit IV & Unit V
220924	Non-conventional Sources of Energy	Unit I	Unit II & Unit III	Unit IV & Unit V
220026/21 2826	Environmental Studies & Disaster Management	Unit I & Unit II	Unit III & Unit IV	Unit V

**Syllabus for Sessional Test  
(Even Semester)  
2nd Semester (Electronics & Communication)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
221024/21	Electronics Devices &	Unit I & Unit II (2.1, 2.2)	Unit II (2.3 to 2.5) & Unit III	Unit IV & Unit V
220022/21	Applied Mathematics-II	Unit I & II	Unit III & Unit IV (4.1)	Unit IV (4.2, 4.3) & Unit V
220023/21	Applied Physics-II	Unit I & Unit II (2.1, 2.2, 2.3)	Unit II (2.4, 2.5) & Unit III	Unit IV & Unit V
220025	Engineering Graphics	Unit I	Unit II	Unit III, Unit IV & Unit V
221021	Electronics Instruments & Measurement	Unit I & Unit II	Unit III & Unit IV	Unit V
220026/21 2826	Environmental Studies & Disaster Management	Unit I & Unit II	Unit III & Unit IV	Unit V

**Syllabus for Sessional Test  
(Even Semester)  
2nd Semester (Mechanical)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220022/21	Applied Mathematics-II	Unit I & II	Unit III & Unit IV (4.1)	Unit IV (4.2, 4.3) & Unit V
220023/21	Applied Physics-II	Unit I & Unit II (2.1, 2.2, 2.3)	Unit II (2.4, 2.5) & Unit III	Unit IV & Unit V
220024	Applied Chemistry	Unit I	Unit II & Unit III	Unit IV & Unit V
220021/21	Applied Mechanics	Unit I	Unit II, Unit III & Unit IV (5)	Unit IV (6) & Unit V (7)
220327	Workshop Technology	Unit I & Unit II	Unit III & Unit IV	Unit V
220125	Mechanical Engg.	Point no. 1 to 3	Point no. 4 to 6	Point no. 7 to 9



**Syllabus for Sessional Test  
(Even Semester)  
4th Semester (Civil)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220041	English & Communion Skills - II	Unit I (1.1, 1.2, 1.3) , Unit II (2.1, 2.2), Unit -III (3.1, 3.2, 3.3) Unit IV (4.1,4.2), Unit-V (5.1, 5.2)	Unit I (1.4) Unit II (2.3), Unit -III (3.4, 3.5, 3.6) Unit IV (4.3,4.4), Unit-V (5.3, 5.4)	Unit II (2.4, 2.5), Unit -III (3.7, 3.8, 3.9) Unit IV (4.5, 4.6), Unit-V (5.5,5.6)
220742	Surveying - II	Unit I & Unit II (2.1, 2.2)	Unit II (2.3), Unit III & Unit IV (4.1 to 4.3)	Unit IV (4.4 to 4.8) & Unit V
220743	Water Supply & Waste Water Engineering	Unit I	Unit II & Unit III	Unit IV & Unit V
220744	Soil Mechanics & Foundation Engineering	Unit I & Unit II (3)	Unit II (4), Unit III & Unit IV (7, 8)	Unit IV (9) & Unit V
220746	Irrigation Engineering	Unit I & Unit II (2)	Unit II (3), Unit III	Unit IV & Unit V

**Syllabus for Sessional Test  
(Even Semester)  
4th Semester (Computer)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220041	English & Communion Skills - II	Unit I (1.1, 1.2, 1.3) , Unit II (2.1, 2.2), Unit -III (3.1, 3.2, 3.3) Unit IV (4.1,4.2), Unit-V (5.1, 5.2)	Unit I (1.4) Unit II (2.3), Unit -III (3.4, 3.5, 3.6) Unit IV (4.3,4.4), Unit-V (5.3, 5.4)	Unit II (2.4, 2.5), Unit -III (3.7, 3.8, 3.9) Unit IV (4.5, 4.6), Unit-V (5.5,5.6)
220842	Computer Organisation & Architecture	Unit I & Unit II	Unit III	Unit IV & Unit V
220843	Data Structures using C	Unit I & Unit II	Unit III	Unit IV & Unit V
220844	Object Oriented Programming using Java	Unit I	Unit II & Unit III	Unit IV & Unit V

**Syllabus for Sessional Test  
(Even Semester)  
4th Semester (Electrical)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220041	English & Communion Skills - II	Unit I (1.1, 1.2, 1.3) , Unit II (2.1, 2.2), Unit -III (3.1, 3.2, 3.3) Unit IV (4.1,4.2), Unit-V (5.1, 5.2)	Unit I (1.4) Unit II (2.3), Unit -III (3.4, 3.5, 3.6) Unit IV (4.3,4.4), Unit-V (5.3, 5.4)	Unit II (2.4, 2.5), Unit -III (3.7, 3.8, 3.9) Unit IV (4.5, 4.6), Unit-V (5.5,5.6)
220942	Electric Machines - II	Unit I	Unit II	Unit III & Unit IV
220943	PLC & Microcontrollers	Unit I	Unit II & Unit III	Unit IV & Unit V
220944	Estimating and Costing in Electrical Engineering	Unit I	Unit II & Unit III	Unit IV & Unit V
220945	Organization of Electrical Engineering	Unit I & Unit II	Unit III & Unit IV	Unit V

**Syllabus for Sessional Test  
(Even Semester)  
4th Semester (Electronics & Communication)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220041	English & Communion Skills - II	Unit I (1.1, 1.2, 1.3) , Unit II (2.1, 2.2), Unit -III (3.1, 3.2, 3.3) Unit IV (4.1,4.2), Unit-V (5.1, 5.2)	Unit I (1.4) Unit II (2.3), Unit -III (3.4, 3.5, 3.6) Unit IV (4.3,4.4), Unit-V (5.3, 5.4)	Unit II (2.4, 2.5), Unit -III (3.7, 3.8, 3.9) Unit IV (4.5, 4.6), Unit-V (5.5,5.6)
221042/212842	Microprocessor & Micro-controllers	Unit I & Unit II	Unit III & Unit IV	Unit V
221043	Communication Systems	Unit I & Unit II	Unit III	Unit IV & Unit V
221044	Power Electronics	Unit I	Unit II & Unit III	Unit IV & Unit V

**Syllabus for Sessional Test  
(Even Semester)  
4th Semester (Mechanical)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220041	English & Communion Skills - II	Unit I (1.1, 1.2, 1.3) , Unit II (2.1, 2.2), Unit -III (3.1, 3.2, 3.3) Unit IV (4.1,4.2), Unit-V (5.1, 5.2)	Unit I (1.4) Unit II (2.3), Unit -III (3.4, 3.5, 3.6) Unit IV (4.3,4.4), Unit-V (5.3, 5.4)	Unit II (2.4, 2.5), Unit -III (3.7, 3.8, 3.9) Unit IV (4.5, 4.6), Unit-V (5.5,5.6)
221742	Materials and Hydraulics and	Unit I & Unit II	Unit III	Unit IV & Unit V
221743	Workshop Technology	Unit I	Unit II & Unit III	Unit IV & Unit V
221744	Workshop Technology	Unit I & Unit II	Unit III & Unit IV	Unit V
221745	Machine Design	Unit I & Unit II	Unit III	Unit IV & Unit V
221746	Thermodynamics - II	Unit I & Unit II (3)	Unit II (4) & Unit III (5)	Unit IV & Unit V



**Syllabus for Sessional Test  
(Even Semester)  
6th Semester (Civil)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220761	Steel Structures Design & Drawing	Unit I	Unit II & Unit III	Unit IV & Unit V
220762	Earthquake Resistant Building Construction	Unit I & Unit II 2.1 (2.1.1 to 2.1.2)	Unit II 2.1 & Unit III	Unit IV & Unit V
220763-A	Tendering and Valuation	Unit I	Unit II & Unit III	Unit IV & Unit V
220763-B	Repair and Maintenance of Civil Infrastructure	Unit I & Unit II (2.1)	Unit II (2.2 to 2.3) & Unit III	Unit IV & Unit V
220763-C	Green Buildings	Unit I & Unit II	Unit III & Unit IV	Unit V

**Syllabus for Sessional Test  
(Even Semester)  
6th Semester (Computer)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220261	*Entrepreneurship Development & Man	Unit I & Unit II	Unit III	Unit IV & Unit V
220862	Software Engineering	Unit I & Unit II	Unit III	Unit IV & Unit V
220863-A	Network Security	Unit I & Unit II	Unit III & Unit IV	Unit V
220863-B	Mobile Application	Unit I & Unit II	Unit III & Unit IV	Unit V

**Syllabus for Sessional Test  
(Even Semester)  
6th Semester (Electrical)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
220962	Power System	Unit I & Unit II (2.1)	Unit II (2.2 to 2.3) & Unit III	Unit IV & Unit V
220261	*Entrepreneurship Development and	Unit I	Unit II & Unit III	Unit IV & Unit V
220963	Installation and Maintenance of	Unit I	Unit II & Unit III	Unit IV & Unit V
220964	Energy Conservation	Unit I & Unit II (2.1 to 2.2)	Unit II (2.3), Unit III	Unit IV & Unit V
220965-A	HVDC & Flexible AC Transmission Systems	Unit I & Unit II (2.1 to 2.2)	Unit II (2.3 to 2.5), Unit III	Unit IV & Unit V
220965-B	Smart Grid and Distributed Generation	Unit I & Unit II (2.1 to 2.2)	Unit II (2.3), Unit III & Unit IV (4.1)	Unit IV (4.2, 4.3) & Unit V

**Syllabus for Sessional Test  
(Even Semester)  
6th Semester (Electronics & Communication)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
221062	** Computer Networks	Unit I	Unit II & Unit III	Unit IV & Unit V
220261	*Entrepreneurship Development & Man	Unit I & Unit II	Unit III	Unit IV & Unit V
221063-A	Microwave and Radar	Unit I	Unit II & Unit III	Unit IV & Unit V
221063-B	Consumer Electronics	Unit I	Unit II & Unit III	Unit IV & Unit V
221064-A	Embedded Systems (Common with	Unit I & Unit II	Unit III	Unit IV & Unit V
221064-B	Medical Electronics	Unit I & Unit II	Unit III	Unit IV & Unit V
221064-C	Maintenance of Computer Systems	Unit I & Unit II	Unit III & Unit IV	Unit V

**Syllabus for Sessional Test  
(Even Semester)  
6th Semester (Mechanical)**

Subject ID	Subject Name	1st Sessional	2nd Sessional	3rd Sessional
221762	Automobile Engineering	Unit I	Unit II & Unit III	Unit IV & Unit V
221763	Metrology and Quality	Unit I	Unit II & Unit III	Unit IV & Unit V
220261	*Entrepreneurship Development and	Unit I	Unit II & Unit III	Unit IV & Unit V
221764-A	Renewable Sources of	Unit I & Unit II (2.1)	Unit II (2.2) & Unit III (3.1)	Unit IV & Unit V
221764-B	Estimating and Costing in Mechanical	Unit I	Unit II & Unit III	Unit IV & Unit V
221764-C	Power Plant	Unit I	Unit II & Unit III	Unit IV & Unit V