

## SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.)

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)

## Scheme of Examination (Semester-I)

for Batch Admitted in session - 2024-25

## Bachelor of Technology (B. Tech.) - Electronics and Instrumentation Engineering

	Subject Name	Maximum Marks Allotted								Operator at 11mg			
Subject		Theory				Practical			Total	Contact Hrs.			Total
Category		ES	MS	Assign ment	Quiz	ES	LW	Quiz	Marks	L	Т	Р	Credits
BSC	Applied Physics	60	20	10	10	30	10	10	150	3	0	2	4
ESC	Basic Electronics	60	20	10	10	30	10	10	150	3	0	2	4
ESC	Fundamentals of Instrumentation	60	20	10	10	30	10	10	150	3	0	2	4
ESC	Electrical Machines and Transformers	60	20	10	10				100	3	0	0	3
BSC	Linear Algebra and Calculus	60	20	10	10				100	3	1	0	4
ILC	Extracurricular Activities	It is a one credit per year activity endorse in eight semester marksheet											
Total		300	100	50	50	90	30	30	650	15	1	6	19
MAC*	Universal Human Values					60	20	20	100	0	0	2	Grade
	BSC ESC ESC BSC ILC	BSC Applied Physics  ESC Basic Electronics  ESC Fundamentals of Instrumentation  ESC Electrical Machines and Transformers  BSC Linear Algebra and Calculus  ILC Extracurricular Activities	Category  Subject Name  ES  BSC Applied Physics 60  ESC Basic Electronics 60  ESC Fundamentals of Instrumentation 60  ESC Electrical Machines and Transformers 60  BSC Linear Algebra and Calculus 60  ILC Extracurricular Activities	Category         Subject Name           BSC         Applied Physics         60         20           ESC         Basic Electronics         60         20           ESC         Fundamentals of Instrumentation         60         20           ESC         Electrical Machines and Transformers         60         20           BSC         Linear Algebra and Calculus         60         20           ILC         Extracurricular Activities	Subject Category         Theory           ES         MS         Assign ment           BSC         Applied Physics         60         20         10           ESC         Basic Electronics         60         20         10           ESC         Fundamentals of Instrumentation         60         20         10           ESC         Electrical Machines and Transformers         60         20         10           BSC         Linear Algebra and Calculus         60         20         10           ILC         Extracurricular Activities         It is a	Subject Category         Theory           ES         MS         Assign ment         Quiz           BSC         Applied Physics         60         20         10         10           ESC         Basic Electronics         60         20         10         10           ESC         Fundamentals of Instrumentation         60         20         10         10           ESC         Electrical Machines and Transformers         60         20         10         10           BSC         Linear Algebra and Calculus         60         20         10         10           ILC         Extracurricular Activities         It is a one credit permanant of the content of	Subject Name         Theory           ES         MS         Assign ment         Quiz         ES           BSC         Applied Physics         60         20         10         10         30           ESC         Basic Electronics         60         20         10         10         30           ESC         Fundamentals of Instrumentation         60         20         10         10         30           ESC         Electrical Machines and Transformers         60         20         10         10            BSC         Linear Algebra and Calculus         60         20         10         10            ILC         Extracurricular Activities         It is a one credit per year activities         10         50         50         90	Subject Category   Subject Name   ES   MS   Assign ment   Quiz   ES   LW	Subject Category   Subject Name   ES   MS   Assign ment   Quiz   ES   LW   Quiz	Subject Name         Theory         Practical         Total Marks           BSC         Applied Physics         60         20         10         10         30         10         10         150           ESC         Basic Electronics         60         20         10         10         30         10         10         150           ESC         Fundamentals of Instrumentation         60         20         10         10         30         10         10         150           ESC         Electrical Machines and Transformers         60         20         10         10            100           BSC         Linear Algebra and Calculus         60         20         10         10            100           ILC         Extracurricular Activities         It is a one credit per year activity endorse in eight semester materials	Subject Category   Subject Name   Subject Name   ES   MS   Assign ment   Quiz   ES   LW   Quiz   Marks   L	Subject Category   Subject Name   ES   MS   Assign ment   Quiz   ES   LW   Quiz   Marks   L   T	Subject Category   Subject Name   ES   MS   Assign ment   Quiz   ES   LW   Quiz   Marks   L   T   P

MAC Induction Program Non-Credit

HEC NSS/NCC/NSO Non-Credit



Abbreviations: ES -End Semester, MS- Mid Semester, LW- Laboratory Work/Assignment. (L: Lecture, T: Tutorial, P: Practical) BSC- Basic Science Course, ESC- Engineering Science Course, HSMC- Humanities Science and Management Course, MAC- Mandatory, Audit Course, AC- Audit Course, HEC- Holistic Education Course, ITC- Information Technology Course, ILC-Institute Level Course, DC- Department Course, DE-Department Elective, OC- Open Course, DLC-Department Laboratory, PROJ- Project Work