



## SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

**[M.Sc.(Physics)]**

<b>Semester-II</b>										
Course Type	Course Code	Course Title	Teaching-Learning Scheme		Credits	Assessment Scheme & Marks				
			L-P-T	Total Notional Hours		Internal Assessment			External Assessment	Total Marks
						FA	SA	Total		
DSC	P2S02NCPHY01	Nuclear and particle physics	4-0-0	120	4	25	25	50	50	100
DSC	P2S02NCPHY02	Electrodynamics and atomic and molecular physics	4-0-0	120	4	25	25	50	50	100
DSC	P2S02NCPHY03	Quantum mechanics and Solid State Physics	4-0-0	120	4	25	25	50	50	100
DSC	P2S02NCPHY04	Practical – I	0-8-0	120	4	25	25	50	50	100
DSC	P2S02NCPHY05	Practical – II	0-8-0	120	4	25	25	50	50	100
DSC	P2S02NCPHY06	Analog and digital ICs	1-2-0	60	2	15	10	25	25	50
				<b>660</b>	<b>22</b>	<b>140</b>	<b>135</b>	<b>275</b>	<b>275</b>	<b>550</b>

**DSC:** Discipline Specific Core      **DSE:** Discipline Specific Elective    **L:** Lecture    **P:** Practical    **T:** Tutorial  
**FA:** Formative Assessment    **SA:** Summative Assessment