

SARDAR VALLABHBHAI PATEL INSTITUTE OF TECHNOLOGY, VASAD.**B. E. Semester III (All Branches)****Mid Semester Exam****Subject: Advanced Engineering Mathematics****Date: / /****Total Marks: 40****Subject Code: 2130002****Time: 10:00am to 11:30am****Instruction: - All the questions are compulsory to attempt.**

Q.1	(a)	Short Questions	[4]
	(b)	Short Questions	[4]
Q.2	(a)	First order O.D.E	[4]
	(b)	First Order O.D.E	[4]
		OR	
	(b)	Higher Order O.D.E	[4]
Q.3	(a)	Fourier series / Integral	[4]
	(b)	Fourier series / Integral	[4]
		OR	
Q.3	(a)	Fourier series / Integral	[4]
	(b)	Fourier series / Integral	[4]
Q.4	(a)	Higher Order O.D.E	[4]
	(b)	Power Series	[4]
		OR	
Q.4	(a)	Higher Order O.D.E	[4]
	(b)	Power Series	[4]
Q.5	(a)	Laplace transform	[4]
	(b)	Laplace transform	[4]
		OR	
Q.5	(a)	Laplace transform	[4]
	(b)	Laplace transform	[4]

----- *ALL THE BEST* -----