

Reg.	No:														
	SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR														
_						(AU	TON	OMOL	JS)		_				
E	B. I ech	IV Yea	ar II Se	emes	ter A	dvano		Supple	emen	tary I	±xam	inations C	Oct-2020		
				(Elea		<b>Κ &amp; Ν</b>	AVIG				) ;				
Time: 3 hours May Mayles 60															
Time.															
				(7	Answe	r all F	ive Ui	nits 5 :	x 12 =	60 M	larks)				
							U	NIT-I							
1	Expla	in the	differe	ent pr	obabi	lity d	ensity	func	tions	and o	calcula	ite the me	an and	12M	
	varian	ce of G	aussia	n prob	ability	/ dens	ity fur	nctions	5.						
2	OR														
2	<ul> <li>a Explain mounted radar gross section of simple targets</li> </ul>													/ IVI 5 M	
	U LA		out in		01055	seem		JIT_II	largei	5.				JIVI	
2															
3	<b>5</b> a Describe the two KADAK modulators for high power transmission.													/ IVI 5 M	
	D Ex]	plain ad	out the	e vario	ous typ	es or (	uispia	ys. OD						<b>3</b> 1 <b>VI</b>	
4	UK													<b>7</b> M	
•	<ul> <li>a Explain about conversion loss and noise figure in detail.</li> <li>b Explain in detail about limiters</li> </ul>													5M	
5 a Explain with a block diagram of FM CW altimator														<b>7</b> M	
5	<b>b</b> Explain with a neat diagram about sequential lobing														
	, <u>D</u>			out uiu	Bruin	acout	(	OR	, enig.					0112	
6	6 Explain with a neat block diagram of conical scan tracking radar.														
UNIT-IV															
7	<b>a</b> Wr	ite shor	t notes	on ra	dio de	tection	n findi	ing and	d radio	o rang	es?			<b>7</b> M	
	<b>b</b> Explain the errors arising in direction finders.													5M	
	_				-		(	OR							
8	a Exp	plain the	e four	course	radio	range	s in d	etermi	ning tl	ne err	ors in t	the Navigat	ion.	<b>8M</b>	
<b>b</b> Explain about the VOR receiving equipment.														<b>4M</b>	
							UN	VIT-V							
9	a Exp	olain ab	out the	e decca	a navi	gation	syste	m.						<b>7</b> M	
	<b>b</b> Wr	ite shor	t notes	on Lo	oran-B	syste	m?							5M	
							(	OR							
10	a Ho	w the T	ACAN	I STA	CAN	equip	nent u	ised to	navig	ate th	e RAI	DAR?		<b>8M</b>	
	<b>b</b> Wr	ite shor	t notes	on D	ME op	peratio	n							<b>4M</b>	

\*\*\* END \*\*\*