SΒ	Roll	No
o.d.	ROII	INO

	5 th Exam/ETV/0165/Nov'17	
Duration: 3Hrs.	5 Examplify/0105/140V 17	M.Marks:75
Daracioni Sinisi	SECTION-A	William No. 7 5
Q1. Fill in the blanks.	3231131111	15x1=15
a. Satellite communication is an	example of type of	transmission.
b is a satellite that rot		
		g from south to north is called
d is application of sa		
e. Polar orbiting satellites cover	region.	
f. The refers to the	equipment used to provide t	he service for which the satellite has
been launched.		
g. In a satellite, the equipmen	t which provides the connect	ting link between transmit & receive
antennas is called		
h. Transmit & receives signals a		
i improves the p	ost detection signal to noise ra	tio.
j are types of an		
		ich is present throughout universe.
I. In SCPC each channel is		
m. A code which allows for the d		
n. Primary component of uplink		
 The method of assigning adja 		omagnetic polarization is called
	SECTION-B	
Q2. Attempt any five questions.		6x5=30
i. Write advantages of satellite		
ii. What are basic characteristic		
iii. What are transponder limitat		
iv. Draw a general satellite diagr		
v. What is Erlang congestion for		
vi. What are rain and ice effects		
vii. Describe in detail propulsion	•	
O2 Attornet and three supetions	SECTION-C	10::2-20
Q3. Attempt any three questions.	estima and C/T ratio	10x3=30
a. What is system noise temperb. Explain TDMA.	ature and G/T ratio?	
•	2 Evalain uplink and downlink	
c. What is satellite link analysis?d. Write a short note on	Explain uplink and downlink.	
i. Troposphere effects		
ii. Ionosphere effects		
ii. Toriospriere errects		