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## **CVM UNIVERSITY**

M.Sc. Geoinformatics, Sem-1<sup>st</sup> Examination February 2021

Course Code: 101400102, Paper Title: Principles and Applications of GPS

<b>Dat</b> Note	: (1)	Feb. 2021 Time: 02 Attempt all question Figure to the Right side indicate marks	:00 PM	to 04:00 PM TOTAL MARK	<b>S</b> : 60	
			T. V		[08]	
Q. 1 (A)		swer the following multiple choice q	Company of Contraction			
(1)		erage altitude of GPS satellite from th				
	(A)		(C)	20,200 KM		
(0)	(B)	The state of the s	(D)	None of the Above		
(2)		is our own Indian space based				
	(A)		(C)	IRNSS		
101	(B)	WASS	(D)			
(3)		MHz clock pulse.		So, to compensate 5 MHz signal by		
	(A)		1-1			
122	(B)		\ - <i>I</i>	0.436 micro second, 5.99999999782		
(4)			r, henc	e resultant coordinate calculation may		
		tain error of	(-)	The state of the s		
	(A)		(C)	0.3 meter		
(=)	(B)	0.03 meter	(D)			
(5)		components of a communications _		is the physical medium on which the		
	1000	al is carried.				
				Both (A) & (B)		
	(B)	Transmission channel	(D)	None of the Above		
(6)		GPS receiver, SiRF III is w	vith 12	or more parallel channel.		
	(A)	Chip Set	(C)	Navigation message		
-	(B)	Software	(D)			
(7)	Prec	cise timing is fundamental to an accu on board each satellite is				
	(A)	Crystal oscillator clock	(C)			
	(B)	atomic clock	(D)	None of the Above		
(8)	그 내 것 같습니다. 그리고 그는 점점 이 가지 않아 있는데 이렇게 되었다면 그는데 그는데 그는데 그는데 이번 사람들이 되었다면 가게 하는데 하는데 이렇게 되었다면 하는데 그는데 그는데 그는데 그는데 그는데 그는데 그는데 그는데 그는데 그		None of the Above			
	(A)	Moving Aero-plane	(C)	Boat in far sea		
	(B)	Underground mining tunnel	(D)	None of the Above		
	1-7	onderground mining turner	(0)	None of the Above		
Q.1 (B)	Ansv	wer the following (Fill in the blank &	True /	False )	[08]	
(1)					[OO]	
(2)		tal Electron Content (TEC), measure				
(3)	The main disadvantage of FM is the larger is requires					
(4)	The accuracy of time transferred in common view is typically ns.					
(5)	SNR of GPS Signal must be High for batter accuracy. True / False					
(6)	Codebase receiver find position based on coded information transfer by satellite and					
(-/		d by receiver. <b>True / False</b>	Coucu	and transfer by satellite and		
(7)	Amplitude modulation is the process of varying the amplitude of a carrier wave in proportion to the amplitude of a baseband signal. The frequency of the carrier remains					
		tant. True / False				
(8)	For c	ontrol point survey, surveying is base	ed on g	eodesy survey. True / False		

-: All The Best:-

Write a note on volcano detection & tectonics plate movements for earthquake using

GPS Technology.