## B.TECH. SEM -IV INFO. TECH. 2014 COURSE (CBCS): WINTER - 2017

**SUBJECT: COMPUTER GRAPHICS** 

Day: Date:	Friday 24/11/2017	W-2017-2092 Tim	ne: <b>02.30 PM</b> x. Marks: 60	TO 05.30 PM
N.B.:	<ol> <li>All questions are COMPU</li> <li>Figures to the right indica</li> <li>Draw neat diagrams WHI</li> </ol>	ate FULL marks.		
Q.1	What are the different inpu principal of each of them.	nt devices of graphics system? Expla	uin working (10	0)
Q.1	Compare the function performance Vector Scan systems.	OR rmed by display processor in Random S	Scan and in (10	0)
Q.2	With suitable examples, explicitly i) Line drawing algorithms ii) Line clipping algorithms.	gorithm	(10	0)
Q.2	Describe about most commo	<b>OR</b> only used Color models in Computer G	Graphics. (10	<b>0)</b>
Q.2 Q.3	Translate the Square ABCD	Whose co-ordinates are $A(0,0)$ , $B(3,0)$ whose solutions and then scale it by 1.5	0), C(3, 3) (10	,
Q.3		OR x for 3D Scaling followed by Rotation a	about fixed (10	0)
Q.4		lanar geometric projection. With nead Oblique Parallel projections.	at sketches, (10	))
Q.4	Explain 3D Viewing in detail	OR	(10	))
Q.5	State and explain Painter's A	Algorithm.	(10	))
Q.5	Describe different parameter	OR s which influence the surface Illumina	ation. (10	))
Q.6	Explain in detail Bezier curproperties of Bezier's curve.	rve generation techniques and also s	specify the (10	<b>)</b> )
Q.6	Write about random fractals i	<b>OR</b> in detail.	(10	))