

IMS ENGINEERING COLLEGE	IMSEC/QF/48
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	Issue No. : 2
Tutorials/Assignments/Quizes	Issue Date: 1 May 2010
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Subject Name: Computer Graphics	Subject Code: NCS-403
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Assignment 6

1. Write at least 4 properties of Bezier curves. Calculate and roughly trace the Beizer curve for three control point (1,1), (2,2), (3,3).
2. Write down the 5 Properties of B-spline Curve and Calculate $B_{0,3}(u)$ for $1 \leq u < 2$,
 $2 \leq u < 3$.
3. Write a short note on
 - a) Specular reflection and Phong model.
 - b) Diffuse Reflection
 - c) Shadow and Transparency
4. Differentiate between Open uniform B-spline and Non uniform B-spline. And calculate knot vectors for
 - a) $d=2$ and $n=3$
 - b) $d=4$ and $n=4$

	Q1	Q2	Q3	Q4
CO	4,5	4,5	4,5	4,5
PO	1,2,12	1,2,12	1,2,12	1,2,12
PSO	1,2,4	1,2,4	1,2,4	1,2,4