

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course: Computer Graphics & Animation

Program: BCA

Course Code: CSBC 3002

Semester: V

Time : 03 hrs

Max. Marks: 100

SECTION A

S. No.		Marks	CO
Q 1	Write the full form of the following: a) TIFF b) JPEG c) PNG d) GIF e) HDMI f) HDTV g) BMP h) CGI	4	CO1
Q 2	Difference between Raster Scan and Random Scan Display.	4	CO1
Q 3	Is there any difference between the designing of a web page and GUI?	4	CO2
Q 4	Mention the advantages of Blender over other graphics software.	4	CO4
Q 5	What are key frames? Mention the importance of keyframes in animation.	4	CO3

SECTION B

Q 6	Write the function of these shortcuts in BLENDER: a) Shift+D b) I c) ALT+R d) ALT+LMB	8	CO4
Q 7	Describe the anatomy of typography with emphasis on Kerning and Leading.	8	CO2
Q 8	Write short note on GIMP. If you want to drop a shadow under a text, how will you do it in GIMP?	8	CO3
Q 9	Discuss the importance of rigging for animation. OR Elaborate the steps required to perform different transformations on an image in GIMP.	8	CO3
Q 10	Explain CMY color model and describe how is it different than RGB color model	8	CO2

SECTION-C

Q 11	Discuss various color models and the concept of color wheel, elucidate how it helps to generate different color schemes. Mention which of the color theory will be most suited for paint industry and why?	20	CO2
Q 12	Attempt any one:	20	
	Illustrate the movement of a pendulum with the help of BLENDER. Elaborate on the steps and technique used for accomplishing the task.		CO4
	OR		
	Write a detailed step by step procedure to create an animation of water splash from glass when an object falls in it. Illustrate the rendering procedure for glass, object fall and physics model associated with them.		CO4