UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018
Course: Graphics and Animation Tools
Semester: VII
Programme: B.Tech. (Open Source S/W and Open Standards)
Course Code:CSEG449

Time: 03 hrs.   Max. Marks: 100
Instructions: Attempt all questions.

	SECTION A		
S. No.		Marks	CO
Q 1	What is Typography? Describe typefaces with example.	04	CO1
Q 2	Differentiate Handwriting and Calligraphy.	04	CO1
Q 3	What is Page Layout in terms of designing?	04	CO2
Q 4	What is a Layer and Layer Mask in GIMP?	04	CO3
Q 5	Describe the Blender Interface in short.	04	CO4
	SECTION B		
Q 6	a) What is Moviesandbox and for what purpose it is used? (5 marks) b) Specify minimum system requirement for Moviesandbox. (5 marks)	10	CO5
Q 7	Describe the following terms: (2.5 marks each) a) Graffiti b) Grid c) Template d) Architectural Lettering	10	CO2
Q 8	Explain User Interface Design and describe the phases of it.	10	CO2

Q 9	Attempt **any one** of the following.
	    Specify features and capabilities of Blender in detail.
	        OR
	    What are some of the basic Blender commands and how rendering is performed in Blender?
		10	CO4

	SECTION-C		
Q 10	a) Discuss the need for Typography. Differentiate between sans and serif with graphical representations for word "Gargantuan" with the help of pencil. (10 marks) b) Mention five scientific applications of Computer graphics.(10 marks)	20	CO3

Q 11	Attempt **any one** of the following.
	    What is 3D Graphics and its type? Specify five Graphics designing area.
	        OR
	    Describe in details the steps of Graphic Pipeline and name some open source 3D Computer Graphics Software
		20	CO1

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SECTION A

S. No.		Marks	CO
Q 1	Name some Graphic APIs and Open Source 3D tools.	04	CO1
Q 2	Differentiate Grid and Template with respect to Page Layout Designing.	04	CO1
Q 3	Describe the Blender Interface in short.	04	CO2
Q 4	What are features of GIMP?	04	CO3
Q 5	Differentiate between RGB and CMYK color model.	04	CO4

SECTION B

Q 6	c) What is Moviesandbox and for what purpose it is used? (5 marks) d) Specify minimum system requirement for Moviesandbox.(5 marks)	10	CO5

Q 7	Describe the following terms: (2.5 marks each)
	  e) Handwriting
	  f) Prototyping
	  g) Animation
	  h) Calligraphy
		10	CO2

Q 8	Explain User Interface Design and describe the phases of it.	10	CO2

Q 9	Attempt **any one** of the following
	    Specify features and capabilities of Blender in detail.
	OR
	    What are some of the basic Blender commands and how rendering is performed in Blender?
		10	CO4

SECTION-C

Q 10	c) Mention five scientific applications of Computer graphics.(10 marks) d) What is Modelling, Texturing and Lighting with respect to Computer Graphics? (10 marks)	20	CO3

Q 11	Attempt **any one** of the following
	  1) What is 3D Graphics and its type? Specify five Graphics Designing area.
	OR
	  2) Describe in details the steps of Graphic Pipeline with Diagram.
		20	CO1

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