

BACHELOR OF PRINTING ENGINEERING EXAMINATION, 2018(1st year-2nd Semester)**DIGITAL TYPESETTING**

Time: Three hours

Maximum Marks: 100

Answer Any Five Questions

1. a) Write the principles of Dvorak Simplified Keyboard layout design. 5
b) Describe the keyboard technologies. 10
c) Write the components of touch screen systems. 3
d) Compare POWR and ICR. 2
2. a) Explain the 'blocking of records', for magnetic tape in details. 6
b) Classify interfaces for RAM and USB. 7
c) Explain the general features of storage devices. 5
d) Compare SDR SDRAM and DDR SDRAM. 2
3. a) Describe the hyphenation and justification processes. 4
b) Classify input devices. 10
c) Write the features of phonetic keyboards. 3
d) Elucidate surface acoustic wave touch-screen technology. 3
4. a) Explain a logical paragraph. 2
b) Classify memory devices. 14
c) Write the configuration of 6 pin MiniDIN. 2
d) Write the distinguishing features of Indian language alphabets those influence the keyboard layout design. 2

5.	a)	Explain different kinds of spacing used in digital text composition.	6
	b)	Describe the generations of photo-typesetting systems.	8
	c)	Explain Fowler Nordheim tunneling.	4
	d)	How an optical mouse functions?	2
6.	a)	Write a short note on CD.	6
	b)	Write the factors on which the accuracy of optical mouse depends.	5
	c)	Elucidate the confusing terms 'leader and ellipsis', 'tilde and swung dash'.	4
	d)	Compare DDR and DDR2.	5
7.	a)	Describe a hard disk.	6
	b)	Classify output devices.	12
	c)	Write the benefits of optical mouse over wheeled mouse.	2
8.	a)	Tabulate the principal advantages and disadvantages of each of touch screen technology.	4
	b)	Write the advantages of flash memory over hard disk.	4
	c)	Write the role of CR, LF and FF in text composition.	4
	d)	Explain different kinds of text alignments.	4
	e)	Write the features of printers, plotters etc as output device	4