

BACHELOR OF PRINTING ENGINEERING FIRST YEAR SECOND SEMESTER (OLD)

EXAMINATION, 2019

DIGITAL TYPESETTING

Time: Three hours

Full Marks: 100

Answer Any Five Questions

1. a) Explain the 'blocking of records', for magnetic tape in details. 6
b) Write the principles of Dvorak Simplified Keyboard layout design. 5
c) Tabulate the principal advantages and disadvantages of each of touch screen technology. 4
d) Write the factors on which the accuracy of optical mouse depends. 5
2. a) Describe the keyboard technologies. 10
b) Write the features of printers, plotters etc as output device 4
c) Write the features of phonetic keyboards. 3
d) Elucidate surface acoustic wave touch-screen technology. 3
3. a) Classify memory devices. 14
b) Explain a logical paragraph. 2
c) How an optical mouse functions? 2
d) Write the distinguishing features of Indian language alphabets those influence the keyboard layout design. 2
4. a) Classify output devices. 12
b) Describe a hard disk. 6
c) Write the benefits of optical mouse over wheeled mouse. 2

5. a) Describe the generations of photo-typesetting systems. 8
b) Explain different kinds of spacing used in digital text composition. 6
c) Explain Fowler Nordheim tunneling. 4
d) Write the configuration of 6 pin MiniDIN. 2
6. a) Classify interfaces for RAM and USB. 7
b) Write a short note on CD. 6
c) Explain the general features of storage devices. 5
d) Compare SDR SDRAM and DDR SDRAM. 2
7. a) Classify input devices. 10
b) Compare DDR and DDR2. 5
c) Write the components of touch screen systems. 3
d) Compare POWR and ICR. 2
8. a) Describe the hyphenation and justification processes. 4
b) Write the advantages of flash memory over hard disk. 4
c) Elucidate the confusing terms 'leader and ellipsis', 'tilde and swung dash'. 4
d) Write the role of CR, LF and FF in text composition. 4
e) Explain different kinds of text alignments. 4