## Bachelor of Printing Engineering Examination, 2024 (2<sup>nd</sup> Year- 2<sup>nd</sup> Semester) Ink Technology

Time: Three hours Full Marks: 100

## <u>Group - I</u> Answer question no. 1 and any one from the rest. (50)

## <u>Group - III</u> Answer the following questions. (20)

<ul> <li>(8) What happen if rosin is heated with an oil reactive pure phenolic resin at 150°C?</li> <li>(9) What is ink tack? Write down its importance in printing ink. How the tack is measured?</li> <li>(10) Write difference between drying time and setting time?</li> <li>(11) (a) Why Xenon arc is used as a light source for lightfastness test of pigment?</li> <li>(b) How degree of dispersion in ink can be measured?</li> </ul>	5 5 5 1 4
Group - IV Answer the following questions. (15)	
(12) What are the causes and effects of streaking problem in gravure printing? (13) What is scumming in offset printing? Write down the causes and remedies of scumming. (14) What is set-off? Write down the factors which influences set-off?	5 5 5