

B.E. PRINTING ENGINEERING FOURTH YEAR FIRST SEMESTER EXAM 2025

Subject: WORKFLOW MANAGEMENT(HONS.)

Full Marks: 100

Time: 3Hr.

Answer each CO separately in one place.

CO 1: Describe different components and modules of workflow systems (K2)

1. Answer any 5 question (5 x 8)

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|---|---|
| a. Describe scope of automations that can be used in pagination. | 8 |
| b. Describe the activity list type of workflow model with an example. | 8 |
| c. Describe the JMF query and response mechanism. | 8 |
| d. Describe GrayBox representation of platesetting. | 8 |
| e. Describe prepress activity diagram with dependencies. | 8 |
| f. Describe briefly about the JMF family. | 8 |

CO 2: Show the different communication models of workflow systems like CIP4/JDF, JMF, etc. (K3)

2. Answer any 5 question (5 x 8)

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| a. Show the JDF nodal representation for calculation of ink-zone preset. | 8 |
| b. Show the prepress activity flowchart for commercial printing. | 8 |
| c. Show the GrayBox imposing for RIPing. | 8 |
| d. Show the resource model for assembly process. | 8 |
| e. Show the JDF root element of a brochure with brief explanation. | 8 |
| f. Show the nodal representation of digital printing process. | 8 |

CO 3: Illustrate the architectural model of different workflow systems (K4)

3. Answer any 1 question (1 x 10)

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| a) Illustrate the nodal representation of cover production. | 10 |
| b) Illustrate the producer-consumer workflow model for printing press. | 10 |

CO 4: Explain the scope of personalization in print production system (K5)

4. Answer any 1 question (1 x 10)

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| a. Explain the JDF model for personalized printing. | 10 |
| b. Explain a process which can address the limitation of geographical barrier in print industry and how that can explore the possibilities of personalization in printing. | 10 |