

24520

22223

3 Hours / 70 Marks

Seat No.

--	--	--	--	--	--	--	--

- Instructions* –
- (1) All Questions are *Compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. **Attempt any FIVE of the following:** **10**
- a) List types of cost.
 - b) List contents of tender for printing visiting card
 - c) List stages of sequence for printing book on demand by digital printing.
 - d) List factors considered in estimating of visiting card printing.
 - e) List purpose of nickel plating to gravure cylinder.
 - f) Differentiate upto 2 points - fixed and variable cost.
 - g) Differentiate upto 2 points - tender and quotation.

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) List factors affecting profitability.
 - b) Draw a work instruction ticket and explain its contents.
 - c) Describe stages of printing sachet on polymer by gravure printing.
 - d) Estimate total weight of 5000 sheets of AO, BO and CO paper. GSM of paper is 80.
- 3. Attempt any THREE of the following:** **12**
- a) List any six British paper sizes.
 - b) Compare between time rate and work rate system.
 - c) Explain meaning of GST and write rates of raw material used in offset printing.
 - d) Describe contents of flexography photopolymer plate making cost estimation.
- 4. Attempt any THREE of the following:** **12**
- a) Calculate flexo plate making cost for 4-Col. Set if plate size = 10"×15", negative = Rs.1.25/sq.inch plate making = Rs.15/sq.inch.
 - b) Calculate A2 size reams required to print 35,000 copies of 80-page A5 size book.
 - c) Estimate black ink quantity for printing 30,000 copies of A5 size book having print area of 300cm². Paper used in offset printing is coated art and printing is in heavy illustration form.
 - d) Explain stages of printing newspaper by web offset printing.
 - e) A0 size poster is laminated with 25 micron polyethene having density of 0.9 gram/cm³. Calculate increase in weight of poster.

- 5. Attempt any TWO of the following:** **12**
- a) A CTP machine's depreciation rate is 60% on book value. Calculate its book value at the of 5th year if it was purchased at Rs.4,00,000/-
 - b) Describe four important contents in tender form.
 - c) Elaborate factors considered for sequencing of job.
- 6. Attempt any TWO of the following:** **12**
- a) State formula used to estimate ink and list constant and varying parameters therein.
 - b) Explain contents of gravure cylinder cost estimation.
 - c) Describe types of pallets different.
-