



QP CODE: 25021674



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Reg No :

Name :

B.VOC DEGREE REGULAR/REAPPEARANCE EXAMINATIONS, MARCH 2025

Sixth Semester

B.Voc Printing Technology

PT6G1T - PRINT PLANT LAYOUT COSTING AND ESTIMATION

2018 Admission Onwards

085AEE05

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is layout planning?
2. Write the reason for stabilizing the paper in the pressroom temperature before printing.
3. Write the formula used for calculating depth of foundation.
4. Write the use of dock leveler.
5. Define the ways to improve the lighting levels in warehouse.
6. Name the 'red label' material in the printing plant.
7. Write about off-press proofing.
8. What is costing?
9. Define Factory cost.
10. What is the spreading power of 1 kg of paste and glue?
11. What is the equation to estimate stitching wire?
12. What are the core objectives of AIFMD?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Define Site Evaluation.
14. Draw the layout after phase 1 of expansion.





15. Explain Trash compactors.
16. What are the considerations for the construction of floors in web offset pressroom?
17. What are the problems of storing rolls of paper on pallets?
18. What is the difference between cost accounting and financial accounting?
19. What are the factors should be considered while introducing a costing system?
20. Differentiate between printing calculator and pocket type calculator.
21. We have an order for 15000 handbills to be printed one up, one side on heidelberg platen (letterpress). Finish size of the job is 8.5×11 inches, with a type page measuring 42×54 picas. Coverage is estimated at 45% and include a mixture of screen tints, bold display type and typeset block of 10 point Times roman. We will add 5% for press spoilage and 6% for ink waste and loss during production. Ink will be regular black and stock will be MF book. Ink cost \$3.55 per pound. Determine the quantity and cost of the ink.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Define the use of water in the printing industry.
23. What are the general construction guidelines for Sheetfed offset pressroom?
24. Differentiate Allocation and Apportionment of overhead.
25. 1. Find out the weight of reel of paper having width, outer and inner dia 72, 200 and 18 cm resp. the substance of the paper is 75 and its caliper is $1/12$ mm. 2. A reel having a net weight of 180 kg is to be cut in to sheets of 50×72 cm size. How many sheets will it make if the paper on reel has a substance of 90 GSM. 3. The net weight of reel of a paper of 72 cm width is 180 kg. Calculate the length of paper wrapped around the reel assuming that the paper has a GSM of 90.

(2×15=30)

