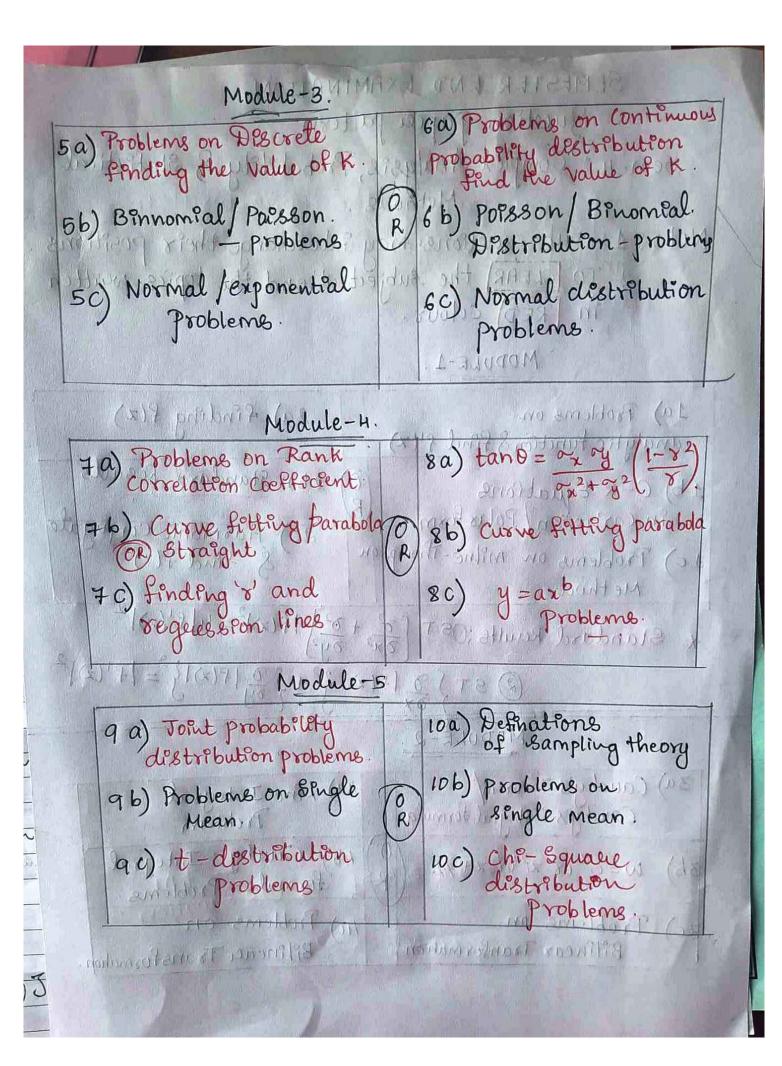
SEMESTER END EXAMINATION
Sem-4: Complex Analysis, Probability & Statistical
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Note: 1 Sub augetone may interchange their positions.
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Methods. Note: 1. Sub questions may interchange their positions. 2. To CLEAR the subject attend the topics weatten in RED Colour.
MODULE-1.
1a) Problems on (2a) finding f(z)
analytic function of find f(2). 1 b) C-R Equations. (B) 2b) Standard Results
in Cartesian Polar form 20) Harmonic Conjugate
10) Problems on Milne-Mompson & find f(2).
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* Standard Results: $05T \left[\frac{8^2}{3x^2} + \frac{3^2}{3y^2} \right] \left[\frac{9}{5} \left[\frac{1}{5} \left[\frac{1}{5} \right] \right]^2 + \frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \right] \right] \right]^2 + \frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \right] \right] \right]^2 + \frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \right] \right] \right]^2 + \frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \right] \right] \right]^2 + \frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \right] \right] \right]^2 + \frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \right] \right] \right]^2 + \frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \left[\frac{1}{5} \right] \right] \right] \right]^2 + \frac{1}{5} \left[$
Q CT (2) 18/2/12/2 F(Z) 2 = f'(Z) 2
(2) ST \ 2 P(Z) 22 + { 2 \ 29 P(Z) 2 = P'(Z) 2
paralle pullante ModuLE-2.
Cauchy's Integral formula Problem
(O) why Couchule Takes O
3b) W=ez or z200 z+1/2 (0) 4b) Cauchy's Integral formula- Problems.
20) Problems on un Problems on
3c) Problems on Bilinear Transformation (Bilinear Transformation.
o an woo smaller.



If you prepare the topics written in RED colour you can score the below

- 1. Module-1 -> C-R Equation- 7 m
- 2. Module-2 -> Cauchy's theorem/-7m Integral formula $W = e^z \circ z^2 \circ z + \frac{1}{2} - 7M$.
- 3. Module-3 -> Problems on Discrete probability distribution - 6.
- 4. Module-H -> Rank correlation 7 m. Coefficient 7 m. Curve fitting 6 m.

 Curve fitting 7 m.

 finding 'r' & regression 7 m.
- 5. Module -5 -> Toint probability

 distribution problems 7 m.

 Student's t distribution 7 m

 Problems 61 Marks