## A. C. Patil College of Engineering Kharghar Navi-Mumbai Maharashtra

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Subject : Analysis of Algorithms (AOA)
Assignment-06

## Easpen

## Assignment No-06

Q.17 write the Algorithm for Racin Grap string matching

Algorithm Rosin & Kamp (T (J. ... n), P [1-.. m, 0+9]

Problem desmption: The Algorithm is tor

" matching to pattern using Rusin Karp.

ht power (d,m + ) mod at hish order

pto

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for (i+1 fa=1) 3

to + (ab+ +ti) mod & ) o(m) time to + (ab+ +ti) mod 9 f

3

tor (S+0 to n-m)

3

if (P=to) then

3 if ( [ [ [ -m] = + (St1 : . S+m] then

write (" Partern tourned with shift")

3

if (SLn-m)

ts+1+ (1 (t)-+ (s+m+1)

3 liend of tor

3 11 and of Algorithm.

Q 2) Suspen Totallorino po lin find all to valid shift using multive string matching algorithms.

- <u>Sofa</u>



