2 2 23 24 24 25 25 27 Reason for arising error Due to different reason error will orise There are 3 types of error 1) In perent baser 1 Round-off enough III) Trunchtion error. - rooms transfil This type of errood Es of problem before its solution. This is also due to the physical measurement of the parametres of the problem.

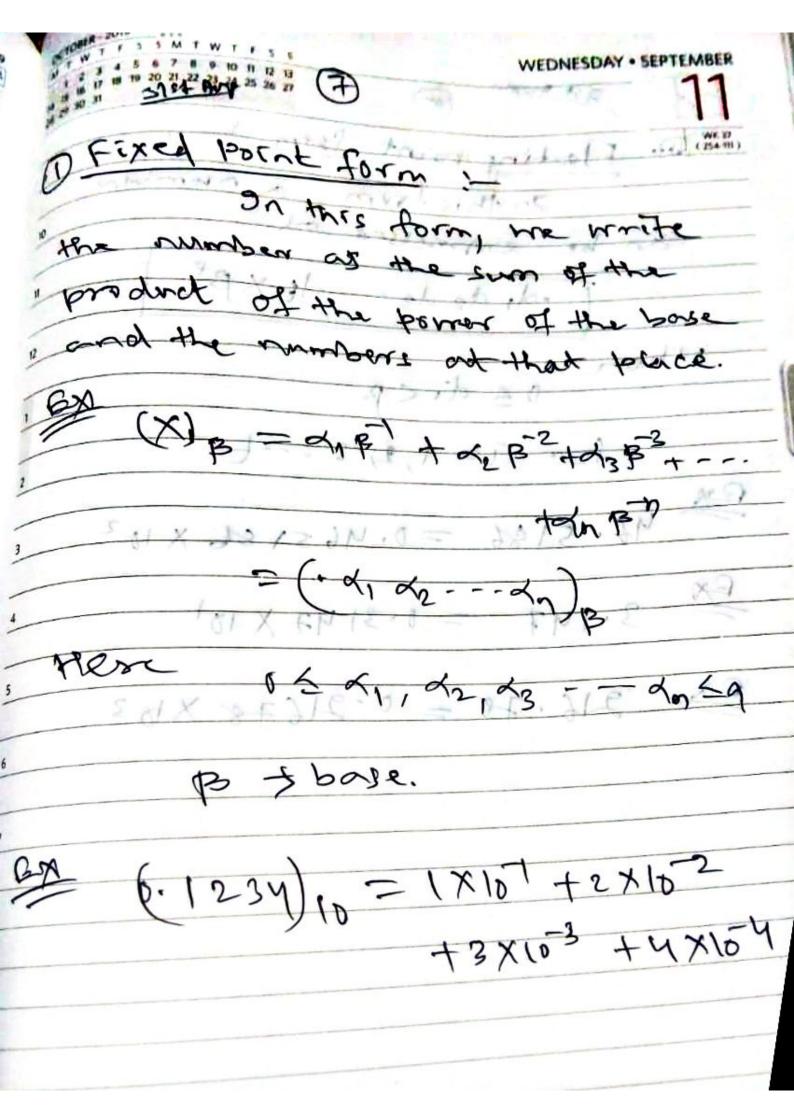
05 great may 9 n matthematical problem he use T, but me put the volve of $\pi = \frac{29}{7} = 3.14$ which is not pract value. In that bupplean Good Mill arrise. That error is called Enhanent error 5 Es Similarly where we solve · mathematical popular me vse e = 2.718 which is not exact value. In that problem inherent error will orise.

D Round-off error : you spee of suspe well arise due to the sounding with numbers to certain places. this sounding o is obtained either by chopping or by wounding. Ex consider a number 2 = 0.2357 the hore to make 3 digit standard form · N = 0.235 (chopping). N= 0.236 (rounding) In this case when we put the reform at a in out bupplew

Be semidale every mis 1 Trancation error This type of enour will arise due to the touncas of mathematical expression Ex we have en = 1-1 2/ + 2/2 + 2/3! + -- +20 which is a institute series It we take to solve our problem en - 1+ n' + x2 | SUNDAY Then proor will arise That error is called Trapation ensor.

EX WE KNOW $\frac{3}{3} + \frac{3}{3} + \frac{3}$ 2121 = W-3; you som Costanton of a problem The Eusba will over 15 : Torat conson is called Tadolage on son Deline Significant digits The number of digits including tirst mon ten digit and the digits to the right of a decimal number is colled significant digit of that immber.

10 mm (6) En 1, .01, -001, -00002 mere one all one -significant Ex 12, 0.012, 0.010, 0.00023 These one all tem - significe [33, 0.0133, 0.330 0.0320,0.00145 0.205,0.0205 These me all 3-lightical digit. try rumber can be expressed as in two different ways 1 fixed point form 1 floating print form



SEPTEMBER . THURSDAY (255-110) (D. Flooting point form on this form , a number can be empressed 1 .d, d2 d3 0 5 di < B for 1=1,2,3----46.5186 = 0.4651.86 X 102 3.147 = 8.3147 X 101 216.78 = 0.21678 X103