Model answers for with grading Scheme guiz-8 Maximum marks - = = Each part Due date - 18/02/2019 Mgsoy. 12 M20 --> Mgsoy. M20 + 11 M20 a) On wet basis per kg of the feed dodecatydrate No. of moles of 420 in product formed = 32.703) man of water 'removed (lu kg) = 32 703×18 = 0.5886 kg b) On wet basis per kg of product monohydrate moles of MgSoy. $n_20 = \frac{1000}{2} = 7.227 \longrightarrow (2)$ (Mwt of Mgsoy M20=138.36) 138.36 No. of moles of 1/20 in product formed = 79.5027 - (1) man of water removed (in kg) = 1.431 kg -> (1) c) On dry basks per kg of feed dodecatydrate 1000 g of Mysoy, Mut of Mysoy = 120.36 moles of My soy = 8.308 moles of 12 1/20 in Mg soy = 8-308×12 = 99.696 No. of moles of M20 Pu product formed = 91.389man of mater removed (in kg) = 1.645 kg -> (1) on dry basis per kg of product monohydrate 1000 kg of Mg soy, mut of Mg soy = 120.36 man of n_20 in Myson. $n_20 = 1429.5Jg$ 138.36 man of water removed (in kg) = $\frac{8.308 \times 11 \times 18}{1000 = 1}$