Seat No.:	Enrolment No.:

GUJARAT TECHNOLOGICAL UNIVERSITY BE SEMESTER- VIII EXAMINATION - SUMMER 2015

Subject Code: 182202 Date: 11/05/2015 **Subject Name: Advance Mining Method** Time: 10.30A.M-01.00P.M **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. Que.1 (a) Construction features & application of shield support. Que.1 (b) Describe Horizon mining with sketch. 7 Que.2 (a) Explain Auger mining method 7 Que.2 (b) Describe working of seams lieable to spontaneous heating. 7 Que.2 (b) Describe working of seams under river and water lodgements. 7 Que.3 (a) Application, meris & demerits of horizon mining. 7 Que.3 (b) Describe thick seam mining. 7 OR Que.3 (a) Problems in mining of thin seams. 7 Que.3 (b) Explain ore mining by leaching. 7 Que.4 (a) Describe hydraulic mining. 7 Que.4 (b) Application of underground coal gasification. 7 Que.4 (a) Advantages & disadvantages of hydraulic mining. Que.4 (b) Explain working of underground coal gasification. 7 Que.5 (a) History and present status of sea-bed mining. 7 Que.5 (b) Basic concept of underwater mining. 7 Que.5 (a) Different methods of winning mangenese nodules from oceanfloor. 7 Que.5 (b) Problems in deep mining. 7
