(REVISED COURSE)

(3 Но	urs)	[Total Marks:80
 N.B. (1) Question No 1 is compulsory. (2) Attempt any four questions out of rer (3) Draw sketches wherever necessary. (4) Figures to the right indicate full marks 	naining six. S.	
 (a) With the help of the following propertie (i) Fibrous form, Lustre – Silky, Splintery (ii) Massive form, Colour – lead grey, Str 7.4 -7.6, Chemical composition – PbS (iii) Lamellar form, Colour – Black, Lustre (iv) Banded form, mostly found with hae Hardness – 7. (v) Granulur pisolitic form, Crystal Syster Uneven, Chemical Composition Al₂O 	s identify the minerals. fracture. eak – lead grey, Lustre – Met – Pearly, Cleavage – Basal P matite, Lustre – Waxy, Cleav n – Amorphous, Lustre – Dul ₃ .2H ₂ O	05 tallic, Sp.Gravity inacoid. vage – Absent, I, Fracture –
 (b) (i) What are the various types of metan (ii) Name the parent rock of marble and (iii) What do you mean by acidic and ba (iv) What do you mean by exfoliation? (v) State the relationship between dip a 	norphism? I quartzite. Isic rock? and strike?	05
 (c) Write the names and draw rough sketcl (i) Core between normal and inverted I (ii) Group of synclines and anticlines wi (iii) Isolated water table held by small e tract. (iv) The structure with bands of platy m (v) Two normal faults forming wedge shares 	n of each of the following. Imbs with horizontal axis. th parallel axes. xtension of impervious rock inerals alternate with granul naped block mountain.	10 within previous lar minerals.
2. (a) Explain with suitable diagrams different(b) Describe two land forms each created by	types of texture found in ign / erosive action of wind and (eous rocks. 10 glaciers. 10
 3. (a) State the terminologies of fault. Explain diagrams. (b) State the engineering considerations of weathering? (c) Explain concentric fold and similar fold. 	various types of faults with s weathering. What are the dif	uitable 10 ferent types of 06 04
 4. Explain the following in brief.(any four) (a) Various products erupted during volcan (b) Water bearing qualities of rock. (c) Properties of good building stones. 	ic activities.	20

- (d) Various types of plate boundaries.
- (e) Use of seismic waves in understanding the interior of the Earth.

- (i) Solifluction and soil creep.(ii) Non conformity and disconformity(iii) Fold axis and axial plane of fold.(iv) Lacolith and batholith.
- 6. (a) Write different geological considerations in the selection of dam site.
 (b) Explain the importance of core recovery and RQD
 Calculate the same from the given data and mention your opinion.
 Run is 3 mtrs.

No of samples	Length of sample (in	Nature of joints
	cm)	
1	12	Ν
2	04	М
3	03	Ν
4	17	М
5	03	М
6	07	М
7	29	Ν
8	05	Ν
9	08	Ν
10	06	Ν
11	42	Ν
12	35	Ν
13	05	N
14	03	М
15	04	N
