8-12-14

QP Code :146:

[Total Marks: 80

(REVISED COURSE) (3 Hours)

Instruction: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

NB:

- 1) Question No. 1 is compulsory.
- 2) Out of remaining questions, attempt any 3 (three) questions.
- 3) In all four questions to be attempted.
- 4) All questions carry equal marks.
- 5) Answer to each new question to be started on a fresh page.
- 6) Figures in brackets on the right hand side indicate full marks.
- 7) Assume Suitable data if necessary

1	Answer any a from the fellowing	·
	Answer any from the following:	20
a.	What do you mean by the terms "fracture pattern of mineral" and "cleavage of a mineral"?	5
b.	Describe the shelled structure of the Earth with a diagram.	5
C.	What do you mean by poikilitic texture?	5
d.	How are mushroom rocks formed?	5
e.	What are aquifers? Differentiate between confined and unconfined aquifers.	5
f.	Diagrammatically describe different types of normal faults.	5
g.	Describe the formation of hanging valleys.	5
2		
a.	Describe a favy branch as AC A 1	20
b.	Describe a few branches of geology that are useful in civil engineering.	10
υ.	What are Morraines? In your opinion, what kind of building material would be morraines?	5
2	Draw a typical synformal fold and label the different parts.	5
2		
٥.		20
1.	Differentiate between recumbent and isoclinal folds.	5
).	Explain how the elements of structural geology can be useful in civil engineering.	10
	Describe the artesian well.	5
	Describe the seldspar group of minerals.	20
	Write a note on the origin and occurrence of coal deposits.	10
	e de la contra de la contra de la coal de posits.	10
	Describe textures of sedimentary rocks.	20
	Differentiate between sorting and master :	10
-+	Differentiate between sorting and packing in sedimentary rocks. What are the factors that affect metamorphism?	5
400	metamorphism?	

5.12.14

QP Code:14629

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6.	Write short notes on any five.	20
a.	Amphibole Minerals	4
b.	Barchan Dunes	4
C.	Gravity method of exploration	í
d.	Cone of Depression	4
e.	Geological structures that affect dam construction	4
f.	Angular unconformity	4
g.	Lopolith and laccolith	4
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