2011 GEOLOGY (Optional) (Paper – II)

501033

Standard : Degree Nature : Conventional (Essay) type			Total Marks : 200 Duration : Three Hours
<i>N.B.</i> .			
·		 Question No. 1 is compulsory. Of the remaining questions, attempt any Four selecting one question from each section. 	
	3)	Figures to the RIGHT indicate marks of	the respective question.
	4)	Number of optional questions upto the p which they have been solved will only be o be assessed.	
	5)	Credit will be given for orderly, concise a	nd effective writing.
	6)	Candidates should not write roll number, signature, address or any indication of the answer book otherwise he/she will be per	heir identity anywhere inside the
			Marks
1. A	nswe	er any four of the following:	
(a) Clastic and non-clastic sedimentary rocks		Clastic and non-clastic sedimentary rocks	10
(t	o) I	Petroleum traps and it's types.	10
(0	e) S	Structural controls of ore localization.	10
(0	d) I	mportance of geology in sustainable develo	opment. 10
(6	e) A	Agents and kinds of metamorphism.	10
		SECTION - A	A
2. A	nswe	swer the following sub-questions:	
(8	a) I	Describe the systems of crystallographic no	tations. 15
(l		Elucidate the important optical properties on the metamorphic rocks.	of common minerals of 10
(0	c) I	Describe the various intrusive and extrusiv	ve forms of Igneous rocks. 15
3. A	nswe	er the following sub-questions:	
(a	a) I	Describe the various physical properties of	a mineral. 15
(1	b) I	Describe optical properties of pyroxene grou	up of mineral.
((e) I	Describe the different types of textures of Is	gneous rocks. Add a note on its

P.T.O.

15

significance.