

LABORATORY TEST FOR IESO 2010

Wednesday, September 22, 2010

INSTRUCTIONS:

1. Please write your name and nationality in English on the cover pages
2. This laboratory test is conducted with an objective to test the skill of identifying specimens consisting of 5 minerals, 5 igneous rocks, 5 sedimentary rocks, 5 metamorphic rocks and 5 volcanic rocks as well as 10 fossils, 5 geological structures, and 6 geomorphological features.
3. The time allocated for identifying each specimen is 2 minutes.
4. Please write your answer legibly. Illegible answers will be counted as incorrect.
5. Please write your answers only on this laboratory test sheet, by choosing/matching the correct answer provided in the 'Choices' column of the 'Answer sheet'.

ANSWER SHEET

A. Minerals

5 points

No.	Sample Code	Name of Mineral	Choices
1	I		A. Gypsum
2	II		B. Apatite
3	III		C. Biotite
4	IV		D. Garnet
5	V		E. Muscovite
			F. Sulfur
			G. Quartz
			H. Phlogopite
			I. Plagioclase
			J. Anhydrite
			K. Orthoclase
			L. Hornblende
			M. Pyroxene
			N. Olivine
			O. Calcite

ANSWER SHEET

B. Rocks

40 points

No.	Sample Code	Name of Rock	Choices
1	1		A. Andesite Breccia
2	2		B. Gneiss
3	3		C. Volcanic Breccia
4	4		D. Rhyolite
5	5		E. Red Slate
6	6		F. Quartz Conglomerate
7	7		G. Crystalline Limestone
8	8		H. Mica Schist
9	9		I. Agglomerate
10	10		J. Sandstone
11	11		K. Pumice
12	12		L. Obsidian
13	13		M. Tuff
14	14		N. Pumice Breccia/Ignimbrite
15	15		O. White Marble
16	16		P. Phyllite
17	17		Q. Biotite Granite
18	18		R. Diorite
19	19		S. Pegmatite
20	20		T. Quartzite
			U. Syenite
			V. Basalt
			W. Andesite
			X. Granodiorite
			Y. Peridotite
			Z. Lapili
			AA. Chalky Limestone
			BB. Monzonite
			CC. Olivine Gabbro
			DD. Eclogite
			EE. Migmatite
			FF. Claystone

ANSWER SHEET

C. Fossils

16 points

No.	Sample Code	Name of Fossil	Choices
1	A		A. Balanus
2	B		B. Pelecypoda
3	C		C. Turitella
4	D		D. Ammonite
5	F		E. Heliophyllum
6	H		F. Brachiopoda
7	I		G. Arachnida
8	J		H. Echinodermata
			I. Busycon
			J. Murex
			K. Zaphrentis
			L. Nautilus
			M. Coral
			N. Scaphopoda
			O. Acropora
			P. Trilobita
			Q. Ostracoda

ANSWER SHEET

E. Geomorphology

6 points

No.	Sample Code	Name of Geomorphologic Unit	Choices
1	A		A. Incised River
2	B		B. Eroded Dome
3	C		C. Estuary
4	D		D. Karst Topography
5	E		E. Alluvial Fan
6	F		F. Cuesta
			G. Barrier Islands
			H. Meandering River
			I. Delta
			J. Eroded Anticline
			K. Spit
			L. Eroded volcano