

PART B
ANSWER BOOKLET - FILLED

GEOLOGY - 2019
PART B - ANSWER BOOKLET

Fill in the codes for the province and school and your 3-digit candidate number.

Year		Province			School			Candidate Number		
1	9									

Write your name and school in the spaces provided.

Candidate Name: GEOLOGY

School Name: _____

ANSWERS WRITTEN ON THE QUESTION PAPER OR ANY OTHER PAPER WILL NOT BE MARKED.

WRITE ANSWERS NEATLY IN THE SPACES PROVIDED IN THIS ANSWER BOOKLET

FOR MARKERS USE ONLY

	Score	Markers' Initials	
		Marker 1	Marker 2
PART B			
QUESTION 31			
QUESTION 32			
QUESTION 33			
QUESTION 34			
QUESTION 35			
QUESTION 36			
QUESTION 37			
QUESTION 38			
QUESTION 39			
QUESTION 40			
FINAL TOTAL	70		

START YOUR WORK ON THE NEXT PAGE

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QUESTION 31	Marks per Qs.	Marker	Marker
A. (i) <u>CRUST</u>	1		
(ii) <u>MANTLE</u>	1		
(iii) <u>OUTER CORE</u>	1		
(iv) <u>INNER CORE</u>	1		
B. (i) <u>IRON, Fe</u> (ii) <u>NICKEL, Ni</u>	2		
C. (i) <u>LITHOSPHERE</u>	1		
For Markers Use Only	Q 31 Total		

QUESTION 32	Marks per Qs.	Marker	Marker
A. (i) <u>NICKEL, Ni</u>	1		
(ii) <u>COBALT, Co</u>	1		
(iii) <u>CHROMITE</u>	1		
B. (i) <u>GOLD, Au</u> (ii) <u>COPPER, Cu</u>	2		
(iii) <u>GOLD, Au.</u>	1		
C. (i) <u>AMALGAMATION</u>	1		
For Markers Use Only	Q 32 Total		

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QUESTION 33	Marks per Qs.	Marker	Marker
A. (i) <u>OXYGEN, O₂</u> (ii) <u>RE-RADIATED, REFLECTED</u>	2		
(iii) <u>GREEN HOUSE</u>	1		
B. (i) <u>DRY</u> (ii) <u>LA NIÑA</u>	2		
(iii) <u>SOUTHERN</u> (vi) <u>OSCILLATION</u>	2		
For Markers Use Only	Q 33 Total		

QUESTION 34	Marks per Qs.	Marker	Marker
A. (i) <u>CONGLOMERATE</u> (ii) <u>BRECCIA</u>	2		
(iii) <u>SAND</u> (iv) <u>SILTSTONE</u>	2		
B. (i) <u>LAND</u>	1		
(ii) <u>BIOLOGICAL</u>	1		
(iii) <u>VOLCANIC</u>	1		
For Markers Use Only	Q 34 Total		

QUESTION 35	Marks per Qs.	Marker 1	Marker 2
A. (i) <u>VADOZE, AERATED</u> (ii) <u>WATER TABLE</u> (iii) <u>PHREATIC, SATURATED</u> . B. (i) <u>AQUIFER</u> (ii) <u>POROUS</u> (iii) <u>PERMEABLE</u> C. (i) <u>AQUICLUDE, CONFINED AQUIFER</u> .	2 1 2 1 1		
For Markers Use Only	Q 35 Total		

QUESTION 36	Marks per Qs.	Marker 1	Marker 2
A. (i) <u>ELECTROLYSIS</u> (ii) <u>GOLD, Au</u> (iii) <u>SILVER, Ag</u> (iv) <u>ELECTRUM</u> B. (i) <u>FIRE</u> (ii) <u>GOLD</u> (iii) <u>BULLION</u>	2 2 2 1		
For Markers Use Only	Q 36 Total		

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QUESTION 37		Marks per Qs.	Marker 1	Marker 2
A.	(i) <u>NITROGEN, N₂</u>	1		
B.	(i) <u>RADICALS/IONS</u>	1		
C.	(i) <u>WATER</u> (ii) <u>WEATHER</u>	2		
D.	(i) <u>ULTRA VIOLET, UV</u> (ii) <u>DECREASING. DEPLETING.</u>	2		
E.	(i) <u>TEMPERATURE</u>	1		
For Markers Use Only		Q 37 Total		

QUESTION 38		Marks per Qs.	Marker 1	Marker 2
A.	(i) <u>GAS</u> (ii) <u>OIL</u>	2		
	(iii) <u>WATER</u>	1		
B.	(i) <u>SOURCE</u> (ii) <u>RESERVIOR</u>	2		
C.	(i) <u>PORDSITY</u> (ii) <u>PERMEABILITY</u>	2		
For Markers Use Only		Q 38 Total		

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QUESTION 39	Marks per Qs.	Marker 1	Marker 2
A. (i) <u>VOLCANO, CRATER</u> (ii) <u>DYKE</u>	2		
(iii) <u>SILL</u> (iv) <u>BATHOLITH, PLUTON</u>	2		
B. (i) <u>STOCK</u>	1		
C. (i) <u>LACCOLITH</u> (ii) <u>LOPOLITH</u>	2		
For Markers Use Only Q 39 Total			

QUESTION 40	Marks per Qs.	Marker 1	Marker 2
A. (i) <u>CONTAMINANT</u> (ii) <u>MITIGATION</u>	2		
B. (i) <u>EXPLORATION LICENCE</u> (ii) <u>ENVIRONMENT PERMIT,</u>	2		
(iii) <u>MINING DEVELOPMENT LICENCE</u>	1		
C. (i) <u>ROYALTY</u> (ii) <u>EQUITY</u>	2		
For Markers Use Only Q 40 Total			