

QUESTION 1 MULTIPLE CHOICE

1.1	B ✓	(1)
1.2	B ✓	(1)
1.3	C ✓	(1)
1.4	D ✓	(1)
1.5	A ✓	(1)
1.6	D ✓	(1)
1.7	C ✓	(1)
1.8	A ✓	(1)
1.9	C ✓	(1)
1.10	A ✓	(1)
		(10x1) (10)
		[10]

QUESTION 2. GEOGRAPHICAL TECHNIQUES AND CALCULATIONS

2.1	3.5cm ✓ X 50 000 ✓ 180 000cm = 1.82km✓ If a learner has submitted proof of measurement with photo for verification accept their answer.	(3x1)	(3)
2.2	2.2.1 South west ✓✓ 2.2.2 220° (218-222) ✓✓ If a learner has submitted proof of measurement with photo for verification accept their answer.	(1x2)	(2)
		(1x2)	(2)
2.2.3	220° + 18°52' ✓✓ = 238°52'✓✓ If a learner has submitted proof of measurement with photo for verification accept their answer.	(1x2)	(2)
2.3	2.3.1 a) A: 1cm represent 100m ✓ b) B: 1cm represent 20m ✓ 2.3.2 a) A: 1: 10000 ✓✓ b) B: 1: 2000 ✓✓	(2x1)	(2)
		(2x2)	(4)
2.4	Difference in years: 2021-2011 = 10 years✓ Mean annual change: 2° ✓✓ Total change: 2°✓✓ x 10 years = 20°✓✓ Magnetic declination 2020 = 18° 52' + 20°✓✓ = 18° 72' / 19° 12' ✓✓	(5x1)	(5)
			[20]

QUESTION 3. INTERPRETATION AND ANALYSIS

3.1	3.1.1 ✓West ✓✓ 3.1.2 Area on the east side of the mapped area is higher the west side✓✓ It flows towards the dam. ✓✓ [ANY ONE] [Accept other logical answers]	(1x2)	(2)
		(1x2)	(2)

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