

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)
	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° W ✓ Total change: 2°W x 10 years = 20°W ✓ Magnetic declination 2020 = 18 ° 52' + 20°W ✓ = 18° 72' / 19 ° 12' ✓W	(5x1) (5)
		[20]

QUESTION 3 INTERPRETATION AND ANALYSIS

3.1	3.1.1 West ✓✓	(1x2) (2)
	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)

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BM King



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web oct 27 2020 converting the lm35 output voltage into temperature to convert the output voltage of the sensor into the temperature in degree celsius you can use the following formula temperature c $v_{out} / 10$ with v out in millivolt mv so if the output of the sensor is 750 mv the temperature is 75 c

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