Class:
G O S F R

Part A /16

Part B / 27

TOTAL /43

Student Name:
Aavav Chauban

ANSWER SHEET for MULTIPLE CHOICE -Clearly mark 1 answer for each question.

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QUESTION	A	В	С	D
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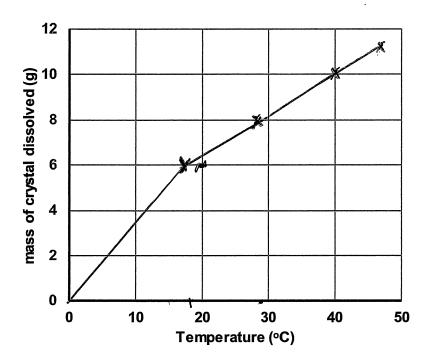
27 marks Attempt Questions 16-19. Allow about 35 minutes for this section		
Question 16 (15 marks)		Marks
The paragraph below is a student's write-up	of an experiment.	
amount of solid left behind and found that 6. 3.Then I did it again but this time I heated th	d all the water from the solution. I weighed the .0 g had been dissolved. The water using a Bunsen burner, gauze mat and form a retort stand using water at 29ºC. I f	nd
a) Write an aim appropriate for the exp	periment.	1
	hacina	
hotter makes more 5110	nolue than a less hotten	
hother makes more diss	nolue than a less hotten	tempe2
b) Complete the table for the student's	results.	tempe2
Complete the table for the student's	results. Amaint 218501ved (a 6.0 8.0	tempe2
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b) Complete the table for the student's	results. Amaint 218501ved (a 6.0 8.0	tempe2
b) Complete the table for the student's Temperature (C) 18 29	results. Amaint dissolved (a 6.0 8.0 10.0	tempe2

dis5010e2.

(d) Identify a variable that needs to be controlled during the experiment to make it a fair or valid test.	L
A variable that must be controlled is the water	
experiment	do this
(e) Draw a labelled scientific diagram showing the equipment set up required to carry out step 3 as described above.) 3
Piagram of orgo 3	
A Retort stand	
Bogs Clare - Thermomerer	
TEST TOOM WITH 100m15 of water	
Burson Burner Burson Burner	
(f) Identify two safety issues the student will have to be concerned with through this experiment.	2
Lighting the Bunson Burner the safe one	
courect way, stime the solution.	

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(h)	Write a	conclusion f	or the	experiment	•			1
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Question 17 (4 marks)

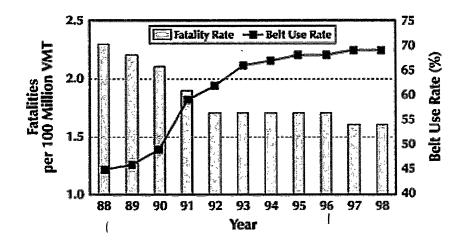
The following scientists are working in different branches or disciplines of science. Identify which branch each is working in:

4

Activity	Branch of Science
Paris is studying the crystals embedded in a rock.	Geoloss
Beau is developing a new type of plastic	
Shaun is investigating the eating habits of insects	6/0/02
Angus is monitoring the movement of an asteroid	as tro losy

Question 18. (4 marks).

The graph shows information about road fatalities and the use of seat belts in cars.

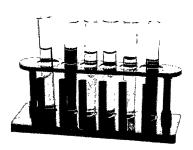


(a) According to this data what is the trend shown in the number of fatalities between 1988 and 1996? Provide data to support your answer. 2

fvom 1996 can be said to go down with less forgities each gear, musch 1992 4he number of fatalities (b) Analyse the data presented and provide reasons for the conclusion you made. made what are muitten above due to the graph shows, which represents a counward trend of car foralities until nitting the 1992 in which the number of Atalities stared the and samples the lift expay 1996 tour nex +

Question 19. (4 marks).

The drawing made by a scientist was twice as big as the real size of the object. Determine the actual length of the whole piece of equipment. *Show your working.* **2**



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				ipment diag		ve. Identify two	things th	nat the
The	scienti:	5+ <i>d</i> ;	d not	dian	. the	c/ a gver	····· <u>·</u> ₂ 2	2D
<u>but</u>	<u>ο</u> ί	30 i	በያዘድብድ	and a	150 5	lid not 1	<i>૧</i>	.కి. ఆ ల (
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END OF EXAM