

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
TOTAL	



General Certificate of Secondary Education
Higher Tier
June 2011

Star Trek

TREK1H H

Unit 1 - Dangers of the Star Trek Universe

Monday 20th June 2011 1.15pm to 2.45 pm

For this paper you must have:

- a ruler with millimetre measurements.
- a calculator.

Time allowed

- 1 hour 30 minutes

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided and should always answer your questions using star trek canon and not fanon.
- Do not write outside the box around each page or on blank pages
- You may ask for extra paper. Extra paper must be secured to this booklet.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 80.
- The marks for questions are shown in brackets.
- Quality of Written Communication will be assessed in Question 3 and 5. These Questions are labeled with a star(*)
- You will be marked on your ability to:
 - use good English
 - organise information clearly
 - use scientific terminology accurately.

Answer **all** questions in the spaces provided.

1 The Borg Queen is the sole controller of the Borg, whose presence is felt throughout the galaxy.

1 (a) **List** the two actresses, who have portrayed the Borg Queen.

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(1 mark)

1 (b) **Explain** how the Borg's hierarchical structure resembles a race on earth.

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(3 marks)

1 (c) **Explain** how the Borg travel and how this presents a danger to all life forms in the milky way.

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(3 marks)

Answer=.....

(5 marks)

15

Turn over for the next question

2. The diagram below represents the milky way with a scale of 1mm=1000 light years

On the Diagram:

- **Label** the galactic centre, Earth and the Quadrants.

In the Space Provided:

- List **one** thing the arrows could represent
- List **one** thing the segments could represent.
- **Explain** the danger at the galactic centre

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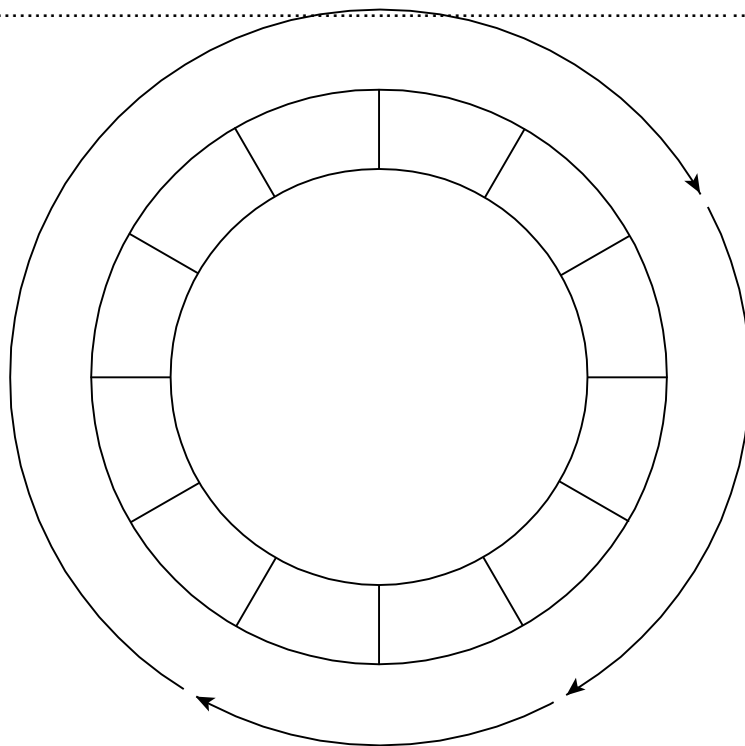
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(10 marks)

10

4 (a) **Explain** What a hypothesis is and give a case-study of a hypothesis and give a possible hypothesis for the data below.

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(4 marks)

(Extra space)

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Location	Percentage of Population			
	Borg	Klingon	Human	Romulan
Kronos	0.0%	95%	3%	1%
Deep Space 9	0.0%	5%	50%	5%
Terra Nova	0.0%	0.5%	98%	0.5%
El-Auria	100.0%	0.0%	0.0%	0.0%

4 (b) **Explain** what threats have affected the people in the table and use information from the table when necessary to show why the percentages of these races are different in these locations.

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(Extra space)

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(6 marks)

10

Turn over for the next question

6 (a) Write the Quadrant(s) that each species rules over.

- Klingon -
- Human -
- Cardassian -
- Romulan -
- Borg -
- Changelings -

(6 marks)

6 (b) Explain how the stability of powers in one quadrant can affect another and include a case study in your answer.

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(4 marks)

10
