

HOLIDAY HOMEWORK

(2013-2014)

CLASS IX

ENGLISH

Read any one of the following books during summer break:

- 1. To Sir With Love-E.R. Braithwaite**
- 2. Nemesis-Agatha Christie**

For 'Nemesis' or 'To Sir with Love':

Having read the book, do the following activities:

- Prepare a Book Club Weekly magazine that includes the following:
 - i) Book review (Critics corner)
 - ii) Interview the main character of the story
 - iii) As a news paper reporter, write a report on any scene from the book as if it were a real life incident
 - iv) Write a plot for a sequel to the book

Instructions:

- Give your Book Club a name
- Give a title to your weekly magazine
- Design an illustrative cover
- Include a column for the President of the Book Club through which he/she can address the readers and declare your chosen book as the book of the week.
- Make a table of contents
- You may add some fun activities like crosswords, sudoku, jumbled words, etc.
- The book review must be able to persuade the reader of the weekly to read the book, it must include:
 - a. Name of novel, author and publisher(s).
 - b. Price and number of pages.
 - c. Type of novel – fiction/non-fiction-historical/romantic/classic/adventure/horror
 - d. The plot – realistic, simple, action-packed
 - e. Style – easy, heavy, fast, slow
 - f. Content
 - g. Characters – their relevance in the story
 - h. Overall effect and appeal
 - i. Message or moral conveyed
- **Use A4 size Sheets**

Also Read 'Three Men in a Boat' by Jerome.K.Jerome (mandatory):

Answer the following questions from book 1 in A4 size sheets:

- Q The story "Three Men in a Boat" is basically a travelogue. Yet it has a universal appeal. Explain.
- Q Write a brief character-sketch of George in the novel "Three Men in a Boat"
- Q Give a critical evaluation of the first book of the story "Three Men in a Boat".
- Q Why does the narrator say that the weather forecast is a swindle?
- Q Write a short note on the historical background of the place Kingston.
- Q Describe briefly the humorous incident of cooking Irish stew.
- Q The novel has numerous humorous elements both serious and sentimental. Discuss.

MATH

A. ACTIVITY - MAKE A MATHS TAMBOLA GAME/ BOARD GAME - An activity to enhance mental mathematics.

1. **Maths Tambola** is a game where the objective is to strike off numbers on your card till you get a certain combination of lines or all numbers. It is a game of probability in which players mark off numbers on cards as the numbers are drawn randomly by a caller, the winner being the first person to mark off all their numbers.

All you have to do is to use your creativity to prepare the following using the guidelines given below:

a) Two Tambola tickets

5				49		63	75	80
		28	34		52	66	77	
6	11				59	69		82

A typical **tambola ticket** contains 27 spaces, arranged in nine columns by three rows. Each row contains five numbers and four blank spaces. Each column contains up to three numbers, which are arranged as follows:

- The first column contains numbers from 1 to 9 (or 10),
- The second column numbers from 10 (or 11) to 20,
- The third, 30 (or 31) to 40 and so on up until the last column, which contains numbers from 81 to 90.
- Algebraic expressions can also be used instead of the numbers.

b) Question bank containing 30 questions on any Mathematical concepts learnt so far in classes 8 and 9 along with an answer key.

The game is presided over by a caller, whose job it is to call out the numbers. In Math Tambola, Questions/sums related to Mathematics will be asked and according to the answer, the players strike off the number/answer marked in the ticket.

The different winning combinations are:

Line – covering a horizontal line of five numbers on the ticket.

Two Lines – covering any two lines on the same ticket.

Full House – covering all fifteen numbers on the ticket.

Here are few examples of the questions along with the answer key. A sample of math tambola ticket with the answers marked on it is also shown below.

- What will be the remainder when $x^2 + 4x + 28$ is divided by $x + 1$? (Ans: 24)
- What is the degree of a cubic polynomial? (Ans: 3)
- What is the product of $6\sqrt{5}$ and $2\sqrt{5}$? (Ans: 60)
- It is the rationalizing factor of $\frac{1}{\sqrt{7}}$. (Ans: $\sqrt{7}$)
- What is the value of $(32)^{1/5}$? (Ans: 2)
- What is the zero of $p(x) = x - 45$? (Ans: 45)
- If $a + b + c = 0$, then $a^3 + b^3 + c^3 = \dots$? (Ans: $3abc$)

3		...		45		...		...
2	...		$\sqrt{7}$	...		60		
...		24		...	$3abc$			...

OR

2. Board Games: Use your creativity to design any other mathematical board game e.g Snakes and Ladders based on mathematical concepts learnt so far in classes 8 and 9. All you need to do is:

- a. Prepare a Question bank containing 30 questions along with the answer key.
- b. A board with numbers marked from 1 to 100, a snake and a ladder.

The game will be played by minimum 2 players and a third person to call out the question. A question will be asked and according to the answer, the player moves ahead. If the answer is a negative number, the player will have to move those many steps backward. The one who reaches the end first is the winner.

B. Do the worksheets 1 and 2 on the punched sheets

SCIENCE

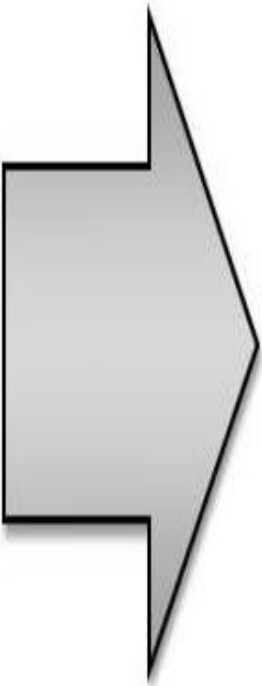
Read any one of the following books and answer the questions based on the book you choose to read.

A. "Halo Cryptum" by "Greg Bear"

B. "Forever War" by "Joe Haldeman"

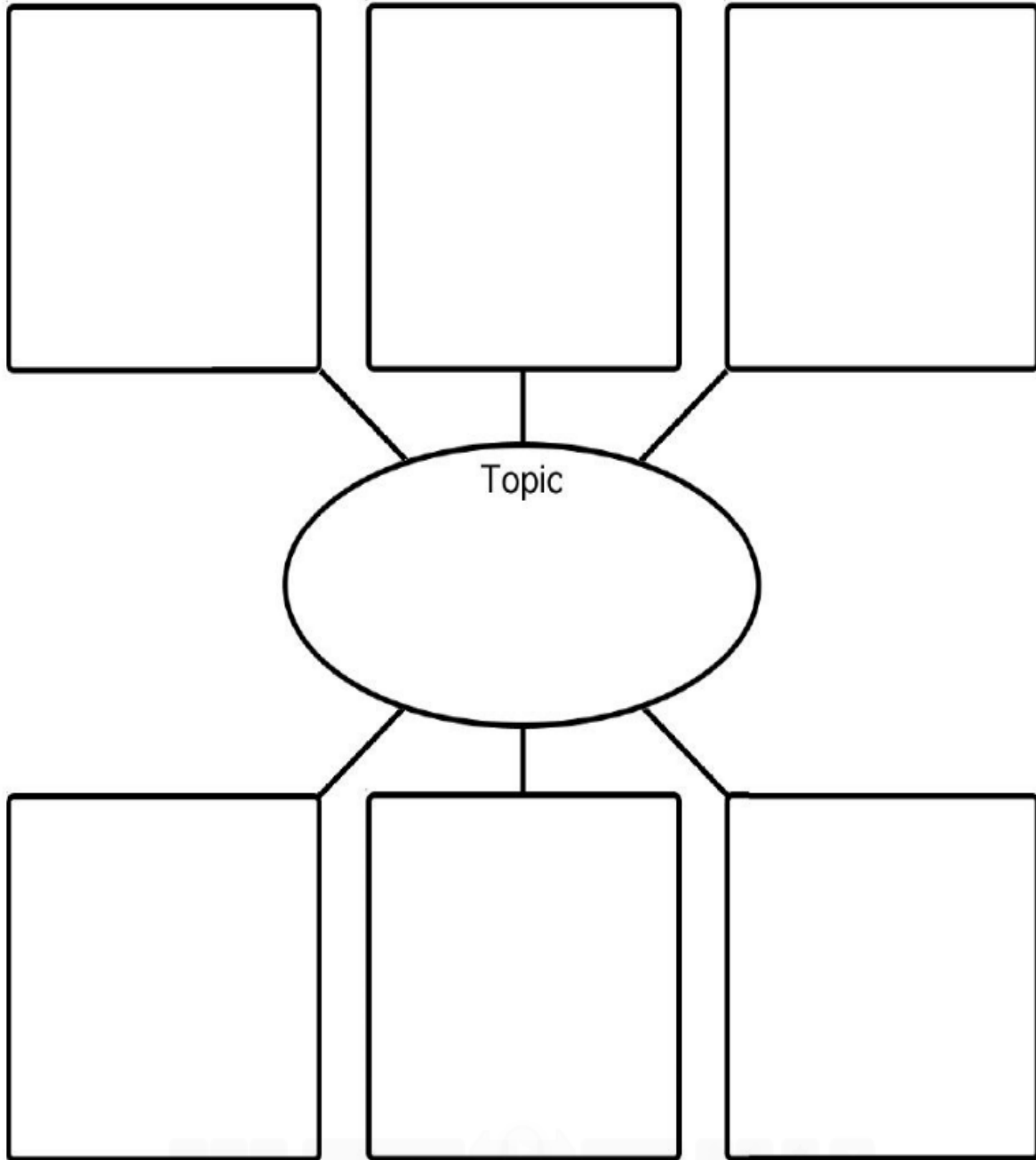
A. Halo Cryptum BY Greg Bear

1. Compare the environmental condition of our planet with that of the ancient precursor planet as described in the book. Use the Graphic Organizer given below.

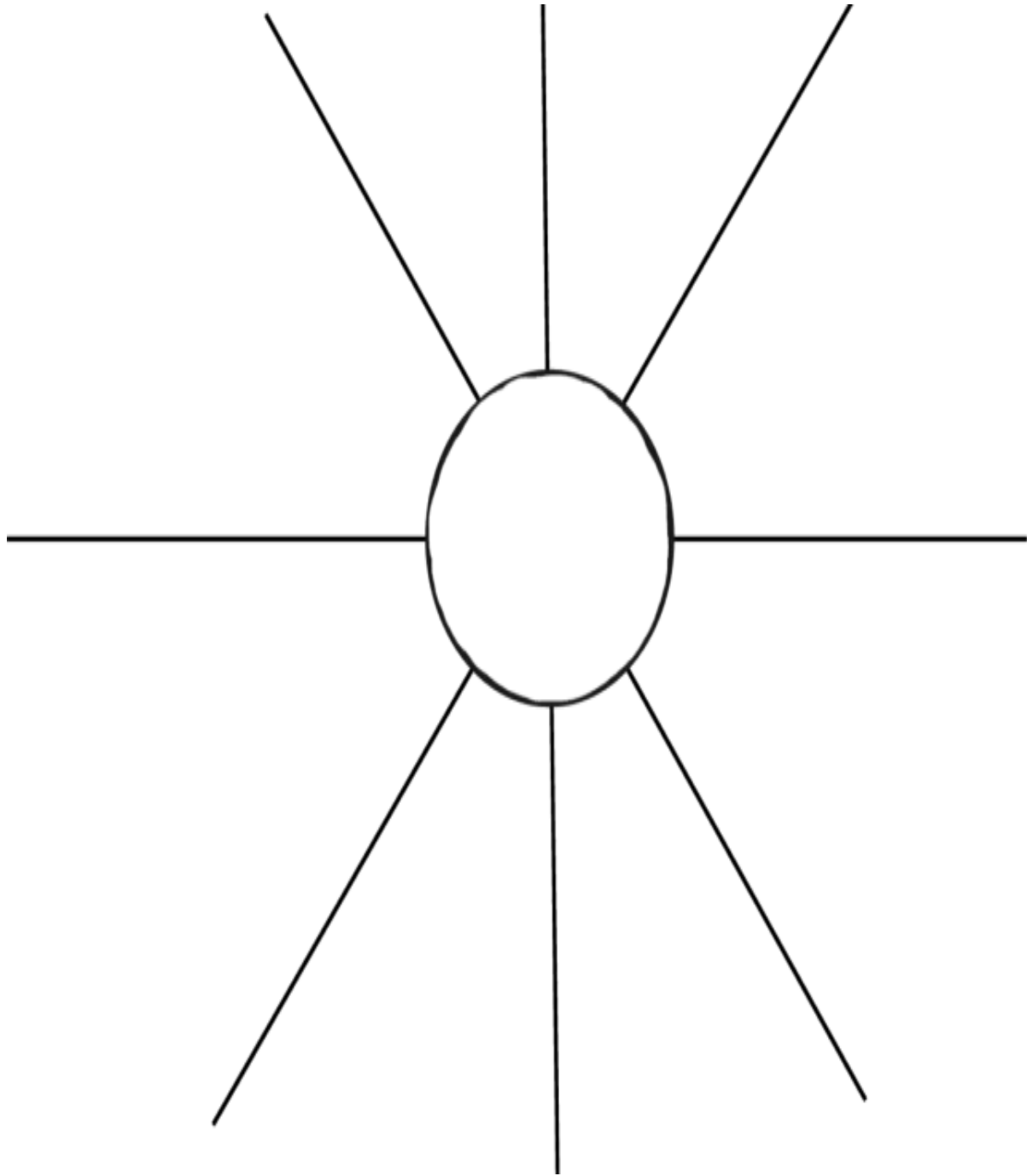
EARTH		ANCIENT PRECURSOR PLANET

2. (a) How did the Librarian save the human race from extinction?

(b) Use the graphic organizer to list some organisms which have become extinct in the recent past.

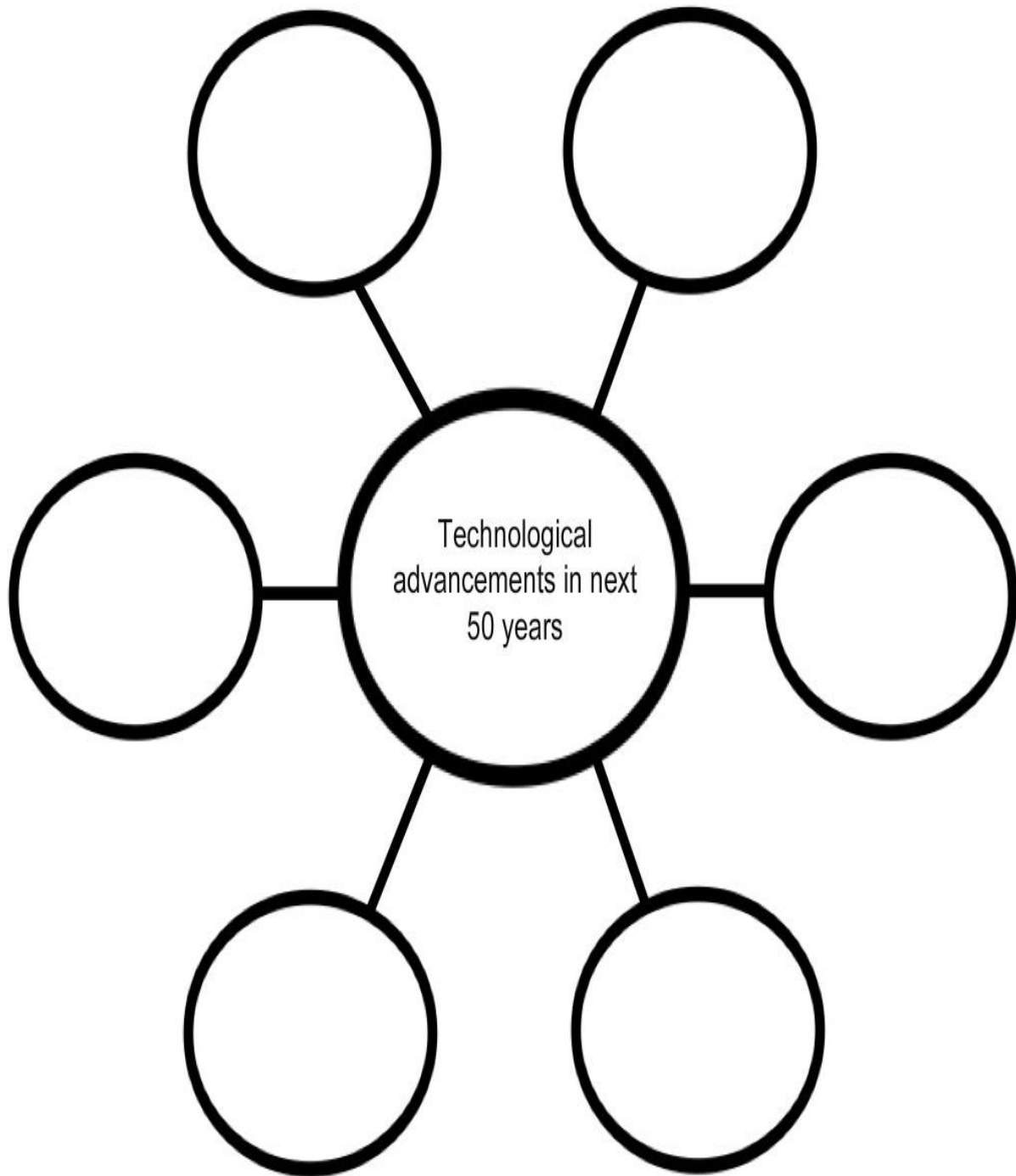


3. In your opinion who is more technologically advanced, we humans or the forerunners?
Support your answer with some examples from the book. Use the graphic organizer given below.

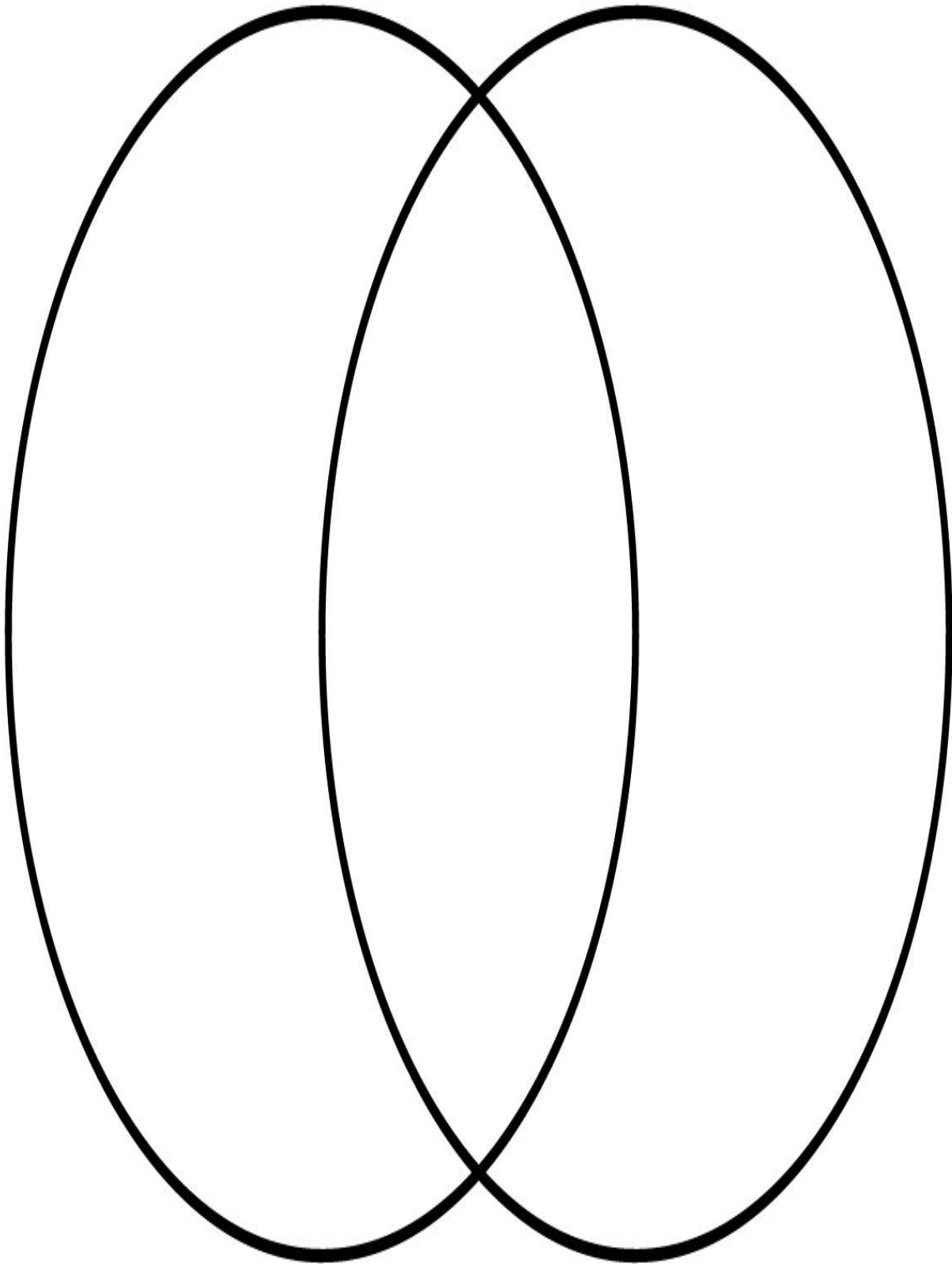


B. The Forever War by Joe Haldeman

3. The soldiers experience a lot of changes on returning to Earth. Keeping in mind the rapid increase in the use of technology in the present times, mention any 5 technological advancements that you expect will take place in the next 50 years. Use the Graphic Organizer given below.



1. The novel talks about life on another planet. Using the graphic organizer compare life on Earth and on the other planet, Charon, mentioned in the book



3. In your opinion who is more advanced- Humans or Taurans? Support your answer with instances from the novel. Use graphic organizer given below.

HUMANS

TAURANS

An empty rectangular box with a black border, intended for writing evidence supporting the claim that humans are more advanced.

An empty rectangular box with a black border, intended for writing evidence supporting the claim that taurans are more advanced.

An empty rectangular box with a black border, intended for writing evidence supporting the claim that humans are more advanced.

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An empty rectangular box with a black border, intended for writing evidence supporting the claim that taurans are more advanced.

SOCIAL SCIENCE

- Students will prepare a project on “**Disaster Management**”.
- They will prepare the project on **TWO DISASTERS: “EARTHQUAKES” and “CYCLONES”**.
- The project will be done on **coloured A4 paper**. Students may use **6 to 8 sheets**.

Students will include the following in the project:-

- 1) **Introduction:** They will answer the question “**What is a Disaster?**” and with the help of a **flow chart or a table** they can differentiate between “**Types of Disasters**” based on their occurrence :
 - Slow “**Onset disasters**” like droughts, famines
 - “**Rapid-onset disasters**” like earthquakes, cyclones, flash floods, volcanic eruptions
 - “**Natural disasters**” like tsunamis, earthquakes, droughts, annual floods
 - “**Human-induced disasters**” like the 1984 Bhopal Gas tragedy, the 1997 Uphaar Cinema fire in Delhi, Rajdhani train derailment in 2002, Jaipur serial blasts in 2008
- 2) The different **Phases of Disaster Management** can be shown in the form of a **diagrammatic cycle** for CYCLONES and **newspaper clippings with photographs/pictures** for EARTHQUAKES.
- 3) Students will **complete the project on** the disasters **Earthquakes and Cyclones according to the following guidelines** given below:
 - a) **Disaster strikes** – both Cyclones and Earthquakes strike **SUDDENLY**.
 - Cyclones have been a recurrent phenomena in the coastal parts of India, e.g. the Super Cyclone of Orissa on 29th October 1999.
 - Our city, Delhi lies in an earthquake- prone zone, so citizens of Delhi must always be on the alert and be vigilant regarding the sudden occurrence of an earthquake.
 - b) **Emergency response and relief** – includes
 - work carried out by Government, NGOs and various religious bodies and
 - search and rescue of those affected, First aid, provision of food, clothing shelter, medicine to those affected.
 - c) **Rehabilitation** – includes **contingency plans** for the rehabilitation of the disaster affected people.
 - d) **Reconstruction** – includes **initiatives taken up by the Government, NGOs** and various other agencies to help the affected community to come back to normalcy.
 - e) **Mitigation measures**– include long term measures taken to reduce the impact of disasters. It includes :
 - **structural initiatives** - construction of disaster resistant buildings and elevated roads, raising of river embankments, multi-purpose cyclone shelters, coastal belt plantation and
 - **non-structural initiatives** - raising public awareness and preparation of plans at the community level for better preparedness, sensitization and training programmes for architects, engineers, enforcing building codes, hazard mapping, cyclone forecasting and warning
 - f) **Preparedness** – involves :
 - measures that enable governments, community and individuals to respond rapidly to disaster situations and
 - how to cope with them effectively.

• **Students Activity** – **CHOOSE ANY ONE:**

- a) Students may make a plan for a **Disaster Management Committee** in your school. **Create a rescue plan** from your auditorium or classroom to the playground in case an earthquake or cyclone occurs.

OR

- b) Students may **write an original short skit of about 300 words** displaying the **functions of a Disaster Management Committee**, to rescue disaster affected people.

- 4) **Conclusion : Value Based Question** (to be included as a **write-up of about 100 words** in the project)

“Mention the values that one should possess in order to be an effective member of the Disaster Management Team.”

IMPORTANT TIPS: Students may refer to the following websites for more information:

FOR CYCLONES:

- a) www.imd.ernet.in: Website of Indian Meteorological Department. Government of India
b) www.tropmet.res.in: Website of Indian Institute of Tropical Meteorology, India

FOR EARTHQUAKES:

- a) www.nicee.org: Website of National Information Centre of earthquake Engineering, IIT Kanpur.
b) www.imd.ernet.in/section/seismo/static/welcome.htm: Indian Meteorological Department (IMD) in the Nodal department of Government of India, dealing with earthquakes.

संस्कृत

निर्देश: –

इदम् गृह-कार्यम् छात्राणाम् रुच्यां आधारितं अस्ति।

छात्राणाम् सहायतया www.shreshthbharat.in अपि अस्ति।

पुस्तकानि अस्माकं सन्मित्राणि सन्ति। पुस्तकात् ज्ञानस्य पवित्रा गंगा वहति। संस्कृतभाषायाम् अनेकानि मनोरंजकानि शिक्षाप्रदानि च कथाग्रन्थानि लिखितानि सन्ति। तेषाम् ‘पंचतंत्रम्’ अपि एकं प्रमुखं ग्रन्थं अस्ति। अस्य ग्रन्थस्य लेखकः पंडित-विष्णुशर्मा संस्कृतभाषायाः विशिष्टः विद्वान् आसीत्। विष्णुशर्मा पशु-पक्षि-जन्तूनाम् मनोरंजकाभिः प्रेरणाप्रदाभिः कथाभिः च एकस्य नृपस्य पुत्रान् शिक्षितान् अकरोत्। पंचतंत्रस्य पंच तंत्राः सन्ति- मित्रभेदः, मित्रसम्प्राप्तिः, काकोलूकीयम्, लब्धप्रणाशम्, अपरीक्षितकारकं च।

1. ‘पंचतंत्र’ ग्रन्थात् स्वेच्छानुसारं पंच लघुकथान् ध्यानेन पठ।
2. पंचतंत्रस्य नैतिक-कथान् पठित्वा तासु कथासु एकाम् कथाम् चित्वा संस्कृतभाषायाम् सारं लिखित्वा स्वभाषिक-कौशलस्य प्रदर्शनं कुरुत।
3. पंचतंत्रस्य कथान् पठित्वा तासाम् विशेषतानाम् वर्णनं कुर्वन् स्वमित्रं एकं पत्रं लिखत।

रचनात्मक-कार्यम् – अंकाः –15

एकस्याः आकर्षक-पत्रिकायाः निर्माणं कुरुत –

(ईमानदारीगुणे संगठने च आधारितं 4–5 लेखानाम्, 4–5 कवितानाम्, 4–5 कथानाम् च समावेशं भवेत्। चित्राणाम् प्रयोगं आवश्यकतानुसारेण एव कर्तव्यम्। कुल-पृष्ठाः 12–15 भवेयुः। पत्रिकायाः एकं उचितं अभिधानम् अपि भवेत् मुख-पृष्ठं च आकर्षकं भवेत्)

(ईमानदारी और संगठन पर आधारित 4–5 लेखों ,4–5 कविताओं व 4–5 कथाओं का समावेश हो। चित्रों का प्रयोग आवश्यकतानुसार ही किया जाए। कुल पृष्ठ 12–15 होने चाहिए। पत्रिका का एक उचित नाम भी हो और मुख पृष्ठ आकर्षक हो)

हिंदी

पुस्तक वह सशक्त माध्यम है जिसकी सहायता से हम देश – दुनिया की सैर करने के साथ-साथ इतिहास के महापुरुषों को भी अत्यंत निकट से जानने में सक्षम होते हैं। इसी धारणा को आधार बनाकर छात्र ' भगत सिंह ' व ' गंगा ' के जीवन पर आधारित पुस्तक 'अमर चित्र कथा ' पढ़ें तथा पढ़ी गई पुस्तकों के आधार पर निम्नलिखित प्रश्नों के उत्तर दें –

- शीर्षक 'अमर चित्र कथा' से क्या तात्पर्य है ?
- 'भगत सिंह' और 'गंगा ' में से किस चरित्र ने आपको प्रभावित किया ? क्यों ?
- इनके जीवन से आपको क्या शिक्षा मिलती है ?
- अपने किन गुणों के कारण ये अमर हुए ?

रचनात्मक कार्य

यह रचनात्मक कार्य छात्रों की रुचि व रचनात्मकता पर आधारित है। छात्र स्वयं की लेखनी में समाचार-पत्र तैयार करें। समाचार-पत्र तैयार करते समय निम्न निर्देशों का पालन करें-

- समाचार-पत्र ए-3 आकार का हो।
- पृष्ठों की संख्या चार हो।
- समाचार-पत्र में संपादकीय, विभिन्न क्षेत्रों से संबंधित समाचार, मनोरंजन व शिक्षाप्रद लेखों का समावेश हो।

FRENCH- CLASS IX C

On an A3 coloured sheet make a colourful newspaper in French "LA REVUE des lectures". Write news and articles in French related to the following:

a) Create a story with illustrations.

- Create an original piece of writing like: (Choose any two)
- dialogue
- article
- cartoon strip
- self composed poems in French

b) word game/ quiz to enhance vocabulary skills

Support the news and articles with colourful pictures.

HAPPY HOLIDAYS