

Answers to REN–Set-1

1.
 - (a) The sentence “Technology applies scientific knowledge to create tools ,machines and processes that improve human life” explicitly states the role of technology in improving human life.
 - (b) it is the systematic study of the natural world, which helps us understand how things work.
 - (c) (iv) Nuclear proliferation
 - (d) (iii) Analytical
 - (e) STEM education prepares future generations for careers in a technology-driven world and fosters innovation and economic competitiveness.
 - (f) (i) A significant moment or event that causes a major change or shift.
 - (g) Biotechnology enables eco-friendly solutions through genetic engineering, cloning, and advancements in agriculture, medicine and waste management, reducing environmental harm.
 - (h) The Industrial Revolution introduced machines like the steam engine and mechanised textile production, the development of rail roads which increased output, urbanised populations, and shifted the economic landscape globally. These innovations marked a major societal transformation worldwide.
 - (i) Science and technology have transformed different arenas of life like communication, healthcare, transportation and energy and created unprecedented opportunities and challenges. Judicious and responsible use of science and technology and continuous innovation remain essential for harnessing their full potential to improve the quality of life globally.
 - (j) (iii) the role of science and technology in human progress
2.
 - (a) (iii) Impacting the economy, productivity, and overall quality of life
 - (b) 73.4
 - (c) 100 million low-income families
 - (d) (ii) Decline in child mortality by over 50% since 1990
 - (e) The health sector plays a critical role in any country’s development. It drives national development by enhancing productivity, economy and overall quality of life . From 2000 to 2023, global life expectancy rose from 66.8 years to 73.4 years due to improved sanitation, nutrition, early diagnosis, and more than 85% vaccination coverage, particularly benefiting developing countries despite ongoing challenges.
 - (f) (ii) Success in maternal healthcare initiatives
 - (g) The future growth of health sector depends on strengthening public health infrastructure, investment in medical research, and expansion of insurance network. Technologies like AI, robotics, and telemedicine can reduce disparities, helping global and national systems progress toward Universal Health Coverage(UHC) through effective policies and partnerships.
 - (h) (iv) Increasing hospital bed count

3. A.

City Model School, Jamshedpur

NOTICE

Date: 22 September 20XX

Debate Competition

This is to inform you that a school-level Debate Competition will be held on 4th October 20XX in the seminar hall from 10 a.m. onwards. The topic is “Social Media—a boon or a bane.” Each class can send two participants. Interested students should give their names to their English teacher by 30th September. Certificates will be awarded to the winners.

(Amit Bansal)

Debate Club Secretary

Or

B.

Hillview Public School, Shimla

Date: 10 June 20XX

NOTICE

Special Yoga Session

This is to inform you that a special yoga session will be conducted on the International Yoga Day on 21st June at 7:30 a.m. in the school ground to promote health and wellness among students. Certified instructors will guide the session. Students of Classes 9 to 12 must attend in their PT uniforms and bring their own mats. Attendance is compulsory.

(Amit Khanna)

Sports Secretary

4. A.

Rosewood International School, New Delhi

cordially invites

Dr Anil Seth (Environmentalist)

to preside as the Guest Speaker at the “*Inter-School Panel Discussion on Climate Change*” on

Date: 5th June 20xx

Time: 10:30 a.m. onwards

Venue: School Conference Hall

Your invaluable insights will inspire our young minds and encourage environmental stewardship.

RSVP

Head Girl – Sneha Kumari

Rosewood International School

Contact: 98765XXXXX

Or

B.

33/427 Priya Vihar

New Delhi

15 July 20XX

Dear Varun

I want to share a happy moment of my life with you. I have got admission in one of the premier medical colleges and I want to celebrate in the company of my old friends at dinner in Hotel Kanishka, Connaught Place at 9.00 p.m. on 23 July 20XX.

Please join the celebrations and merry-making.

Yours sincerely

Rohit

5. A. K.R. Mangalam World School

Delhi 1100XX

20 January 20XX

The Editor

Hindustan Times

KG Marg

New Delhi 1100XX

Dear Sir

Subject: Pressure faced by the adolescents

Through the columns of your esteemed newspaper, I would like to raise the issue of pressure faced by the adolescents. In the absence of proper counselling, an adolescent is likely to take to crime, start drinking, get involved in fights, enter the world of drug trafficking or get engaged in verbal and physical abuses. Crimes by young people have become rampant in metropolitan cities. The adolescents are thrown in the criminal world at a tender age being oblivious to the path of being a criminal.

The youth of today are addicted to video games and are deprived of fun they can have in playing football on the actual ground than on a FIFA game, play station, etc. This leads to obesity, the root cause of many medical problems.

These issues can be handled with the combined efforts of parents, society and social organizations. Moreover, the police and other law enforcing agencies should reach out to these adolescents and counsel them properly.

Thanking you

Yours faithfully

Nitin Arela

Or

B. A-29, Road No. 5, Indra Nagar

Bengaluru

10 May 20XX

The Manager

S.K. Global Solutions

J.P. Nagar, Bengaluru

Dear Sir

Subject: Application for the post of software engineer

In response to your advertisement in *The Times of India*, dated 05 May 20XX, I wish to apply for the post of software engineer. I feel my qualifications and experience are suitable for the above-mentioned post. I am enclosing herewith all the details for your perusal.

I hope to receive a positive response from you.

Thanking you

Yours faithfully

Ranjan

Encl: • Bio-data • Attested copies of certificates • Two photographs

Bio-data	
Name	: Ranjan
Father's Name	: Ajay Kumar
Date of Birth	: 7 January 1998
Address	: A-29, Road No. 5, Indra Nagar Bengaluru
Contact No.	: 971769XXXX
E-mail	: ranjan1998@gmail.com
Marital status	: Unmarried
Languages known	: Hindi and English

Educational Qualifications	:	Name of Exam	Board/University	Year	Percentage
		Class – X	CBSE	2012	90%
		Class – XII	CBSE	2014	85%
		B. Tech (Computer Science)	IIT, Roorkee	2018	87%
Working Experience	:	6 years as software engineer at V.K. Info Solutions, Chennai			
Core Competencies	:	Developing well-designed software, layouts, software development, etc.			
Hobbies	:	Playing cricket and listening to music			
References	:	1. Dr A.K. Saxena Dean, IIT, Roorkee Ph: 79828XXXXX 2. D.K. Roy Professor, IIT Roorkee Ph: 758281XXXX			

6. A.

My Vision of Future India

by Pooja Mishra, XII A

Most of us have a massive psychological barrier against looking at the future vision of India and those who see the future as growing directly out of the present also often narrow their vision. It is my belief that the year 2040 will belong to those who try to see diversity as a value in itself; not as an instrument for resisting new monocultures of the mind or as a compromise necessary for maintaining communal and ethical harmony. India of the future will be central to the world where the idea of diversity will be cherished as an end in itself. It is actually a vision statement of what we believe is possible for our nation to achieve the level of concern that our present-day youth is showing about problems of corruption, environmental pollution, misuse of natural resources, etc. An essential requirement for envisioning India in 2040 is to recognise that the parameters which determine national development have changed in recent years and will change further in the future. This is likely to open up greater possibilities than ever before.

The growing influence in the fields of technology, education, information, productive skills, etc. lend credence to the view that India will definitely achieve and sustain higher economic growth and development in the coming decades.

Or

B.

A VISIT TO PARLIAMENT

by Anjali

Head, Youth Parliament

New Delhi, 20 December 20XX: On 19 December 20XX, a batch of 37 students visited Parliament and witnessed how the two Houses (Rajya Sabha and Lok Sabha) conduct their proceedings. After the mandatory security check, we were let in and led to the guests' galleries to watch the day's proceedings from there.

The house was already in progress. The members of the treasury benches were giving replies to the queries being forwarded by the members of the opposition benches. It was the Dy. Chairman and the Speaker who were conducting the business in the Rajya Sabha and the Lok Sabha respectively. They ensured decorum, discipline and order in the Houses so that the discussion could move smoothly. We gathered the first-hand information about how the elected representatives work in the interest of the nation. It was a very satisfying and enriching experience for all of us.

7. A.

- The poet, John Keats defines beauty as eternal in the given extract.
- pass into nothingness
- Our selfish and self-centered nature make our lives full of inhuman dealth.

- (d) flowery band
- (e) (iii) Reflective and hopeful despite sadness
- (f) (iii) The poet celebrates the abundance of noble and virtuous people in society.

Or

- B.** (a) The phrase “terrified hands” suggests that Aunt Jennifer lived a life filled with fear, anxiety, and emotional suppression.
 - (b) to jump about, feel proud and remain unafraid
 - (c) No, Aunt Jennifer’s tigers will not be able to escape the oppressive society in which she lived.
 - (d) proud and unafraid
 - (e) (i) They represent Aunt Jennifer’s dreams of freedom and strength.
 - (f) (i) To highlight the difference between reality and imagination.
- 8. A.** (a) The absence of a human population in Antarctica is significant in the climate change debate because it keeps the area relatively pristine. Also, it keeps in its ice core carbon records that are half a million years old.
- (b) like the time machine keeping records of our past dating back millions of years, the carbon records too hold in them secrets that are millions of years old.
 - (c) The writing style is factual and informative because the writer simply lays down the evidence available, without making any comments in favour or against the main finding.
 - (d) (iii) There are differing views on the causes and implications of climate change

Or

- B.** (a) Crown Prince Jung Jung Bahadur’s bringing up was done in a lavish style. He drank the milk of an English cow, brought up by an English Nanny and tutored by an Englishman.
 - (b) (iii) was declared the King
 - (c) the monopoly of the English in the life of Maharaja.
 - (d) The author has used a narrative style here.
- 9. A.** (a) (ii) (1) and (5)
- (b) bustle
 - (c) (i) The classmates have started the lesson.
 - (d) The term ‘terrible iron ruler’ indicates that M. Hamel resorted to beating the boys for their mistakes and other instances, as a sign of his strictness in dealing with his pupils.
 - (e) The two sensory details mentioned in the passage are: (i) a great bustle that could be heard out in the street. (ii) the lessons repeated in unison, very loud, with our hands over our ears.
 - (f) the writer’s disappointment at being noticed for coming late, because like any other day, he had expected to slip into the class without being noticed on account of the regular din that was heard in the classroom.

Or

- B.** (a) practical
- (b) (iii) (1), (2) and (4)
- (c) (ii) Sophie wants to become an actress to earn money.
- (d) money grows on trees
- (e) In the story, the writer talked about the different issues in teenagers’ dreams and here he portrayed the life journey of some teenagers who are very passionate about their dreams.
- (f) The phrase ‘money grows on trees’ indicates that Sophie has unrealistic expectations about money and doesn’t understand the value of hard work and financial responsibility. This suggests that she thinks money is easy to come by and that she can have whatever she wants without putting in the effort to earn it.

10. (a) The make-up room in the Gemini Studios was an example of national integration. According to the author, this is so because people from different regions and religious groups worked together in the same department. The department was headed by a Bengali who was succeeded by a Maharashtrian. The other helpers included a Dharwar Kannadiga, an Andhra, a Madras Indian Christian, an Anglo- Burmese and the local Tamils.
- (b) Teenage is considered as the best period in one’s life. In this age, the person has maximum energy and he is free from every responsibility. The person has also dreams and fantasies. Every teenager has some role model too. It would be beneficial for the person, if he goes into the direction of his/her dreams diligently. However, mere fantasizing and dreaming bring nothing but disappointment.
- (c) Douglas gives a detailed account of his feelings and efforts to save himself from getting drowned. He uses literary devices to make the description graphic and vivid. That is why he compares nine feet to ninety. It felt like he kept drowning more and more in the deep water.
- (d) The lesson ‘The Rattrap’ is both entertaining and philosophical. It is philosophical in this sense because it refers to the theory that life is a big rattrap and sets baits for people. Instead of cheese and pork, life offers riches and joys, luxuries, food, shelter, etc. The very idea of the peddler himself falling into the trap is humorous. The peddler takes a comical revenge by imagining others as rats. The story is narrated in such a style that it entertains the reader.
- (e) The poet feels that the moment of silence would be an exotic moment because it would be an instance of universal brotherhood, peace and harmony. At that moment all of us would initiate introspection through meditation and the whole world would be shrouded in quietness.
- (f) The narrator smiles in order to put up a brave front so that her mother does not observe her pained and frightened look. While bidding goodbye, she speaks softly, trying to comfort her mother despite feeling anxious about her fragile health. She also smiles in order to reassure her mother and says that she would see her again soon.
11. (a) Bama felt the curse of untouchability early in life. Therefore, her description of the pain and humiliation is poignant. The elders of her community had to hold the food parcel by its string so that it won’t get polluted by their touch. Bama’s mind rebelled against this injustice by the upper castes. Because they had scraped some money in life, did it mean that the lower castes had no feelings at all? They too were human beings with self-respect. This thought and the solution by Annan to study and change her destiny left an indelible mark on Bama’s psyche.
- (b) Hana felt superior because the soldier was so dirty and unwashed. Also, he was an enemy, and a menace for them either living or dead, but wounded and in need of medical intervention. Also he was of lowly status, a mere soldier, and unlike the intellectual class she had known in America.
- (c) Derry avoids people’s company and keeps to himself. When he finds Lamb’s company, he gets a chance to open his heart and tells the world how he hates people pitying and sympathising with him. He feels sad at the way his mother deals with him and has a feeling that his mother kisses him as she has no other option.
12. A. The poems ‘*Keeping Quiet*’ by Pablo Neruda and ‘*A Thing of Beauty*’ by John Keats, though written in different eras and styles, converge on the central idea of finding peace through reflection and connection with nature. Both poets highlight how modern life, with its chaos and conflict, can be soothed by moments of calm and appreciation for beauty.
- In ‘*Keeping Quiet*’, the poet urges humanity to pause, be still, and reflect in silence. He believes that this act of momentary stillness will lead to a deeper understanding of ourselves and others. It is a symbolic call for introspection. He urges people to detach themselves from destructive actions like wars, exploitation, and environmental harm. Stillness is not inactivity but a spiritual awakening that helps us realise the futility of hatred and the need for harmony.
- Keats in ‘*A Thing of Beauty*’ celebrates nature and beautiful things as sources of eternal joy and comfort. For Keats, beauty is a constant source of hope amidst suffering and despair. He describes the natural world—sun, moon, daffodils, trees, and clear streams—as life-affirming forces which have a profound effect on the human spirit.
- Both poets, therefore, remind us that peace and happiness are not found in material pursuits or noise but in silent reflection and the enduring charm of nature.

Or

- B.** Both ‘*Lost Spring*’ and ‘*The Rattrap*’ explore how poverty affects individuals and their choices, yet they also offer hope for change and human dignity.

In ‘*Lost Spring*’, Anees Jung tells the stories of children like Saheb and Mukesh, who are trapped in poverty from a young age. Saheb wanders for metal to survive, unaware of the dreams he’s forced to give up. Mukesh wants to break free from the traditional occupation of bangle-making, symbolising the desire for change despite difficult circumstances. The chapter shows how poverty steals childhood and choice, yet also hints at resilience and hope.

Similarly, ‘*The Rattrap*’ presents a poor, homeless man who lives by stealing and sees the world as a “rattrap” that lures people with material things. However, a simple act of kindness from Edla transforms him. He regains his self-worth and chooses to change, proving that compassion can awaken the goodness in even the most broken individuals.

Together, both stories show that while poverty can limit freedom and humanity, the possibility of transformation—through courage, dreams, or kindness—always remains.

- 13. A.** I can’t thank my stars enough for having cashed in on the opportunity of undergoing an experience completely different than any other. I’m lucky to visit a landscape that is not inhabited by humans and so still relatively pristine. Antarctica holds into the depths of its ice half-million-year-old carbon records, which are helpful in understanding the past, present and future of the earth. It made me delve deep into the threat faced by the environment and the earth itself due to human activity. Now, I have realised how little changes can have a major impact on the environment and therefore, everyone needs to take care of the small things. Due to the fact that the changes taking place in the Antarctica are pointing a warning finger on the existence of the earth, the earth is journeying to its end. I really got overwhelmed by the beauty of balance in play on earth. My two weeks stay has left an epiphanic effect on me and I carry back indelible memories of it. Thus, *Students on Ice programme* has been the single most important decision of my life that has completely transformed me.

Or

- B.** Monday, 10:30 p.m.

Dear Diary,

I have served in the army for decades but have never been caught by the enemies. But in the World War II, I was caught and became a Prisoner of War. I tried to escape and while I was jumping up from the wall into the sea alongside the camp, a bullet was fired at me and I fell into the water injured.

Next, I found myself in the tender care of a Japanese doctor couple who brought me out from the clutches of death. God! And to think that Japan and America were at war at that time, I thought that Dr Sadao’s love for humanity transcended all prejudices and narrow boundaries. If today I am alive and writing this diary, I owe my new lease of life to Sadao! For him, a dying man was his priority and I don’t think I can thank him enough in this life that it did not matter to him that, that dying man was an enemy.

Thanks

An American Soldier