



APEEJAY SCHOOL, SAKET
MID TERM EXAMINATION
SESSION: 2024-2025
SET A

SUBJECT: ENGLISH
TIME: 3 Hours

CLASS: XII
M. Marks : 80

General Instructions:

- i) This question paper consists of 11 pages
- ii) Only answers to be written in the sheet against the correct question number.
- iii) Attempt all the questions in each section before going to the next.
- iv) The question paper is divided into three sections:

SECTION A	Reading	22 Marks
SECTION B	Writing	18 Marks
SECTION C	Literature	40 Marks

SECTION A: READING

22 Marks

1. Read the following passage carefully :

1. Artificial Intelligence (AI) has emerged as a powerful tool in the healthcare sector, revolutionizing the way medical professionals diagnose, treat, and manage diseases. From predictive analytics to robotic surgery, AI is playing a pivotal role in enhancing patient care and optimizing healthcare processes.

2. One of the most significant applications of AI in healthcare is in medical imaging. Advanced algorithms can analyze medical images such as X-rays, MRIs, and CT scans with remarkable accuracy, often detecting anomalies that may be missed by the human eye. This capability allows for early diagnosis of conditions like cancer, which can significantly improve patient outcomes.

3. AI is also transforming the way drugs are developed. Traditional drug discovery processes are time-consuming and costly, often taking years to bring a new drug to market. However, AI can analyze vast amounts of data to identify potential drug candidates more quickly and accurately. This accelerates the development process, making life-saving treatments available to patients sooner.

4. Moreover, AI-powered virtual assistants are becoming increasingly common in healthcare settings. These tools can help with tasks such as scheduling appointments, providing reminders for medication, and even offering basic medical advice. For patients with chronic conditions, AI can monitor vital signs and alert healthcare providers if there are any concerning changes, ensuring timely intervention.

5. Despite its many advantages, the integration of AI into healthcare is not without challenges. Data privacy is a major concern, as AI systems require access to large amounts of personal health information. Ensuring that this data is securely stored and used is paramount to maintaining patient trust. Additionally, there is the issue of bias in AI algorithms. If the data used to train these systems is not diverse, the AI may produce skewed results, leading to disparities in patient care.

6. Another challenge is the need for medical professionals to adapt to these new technologies. While AI can assist with many tasks, it cannot replace the nuanced judgment and empathy that human healthcare providers

offer. Therefore, a collaborative approach, where AI complements rather than replaces human expertise, is essential for the future of healthcare.

7. The future of AI in healthcare is promising, with potential advancements in areas such as personalized medicine, where treatments are tailored to the individual characteristics of each patient. As AI continues to evolve, it will likely become an even more integral part of the healthcare system, improving efficiency, accuracy, and patient outcomes.

[12x1]

On the basis of your understanding of the above passage answer the following questions:

i. What is one of the primary benefits of AI in medical imaging as mentioned in the passage?

- a) AI eliminates the need for human radiologists.
- b) AI can analyze medical images with high accuracy.
- c) AI can create new medical imaging techniques.
- d) AI reduces the cost of medical imaging.

ii. How does AI contribute to drug development?

- a) By replacing the need for clinical trials.
- b) By speeding up the process of identifying potential drug candidates.
- c) By lowering the cost of drug manufacturing.
- d) By eliminating the need for human researchers.

iii. Which of the following tasks can AI-powered virtual assistants perform in healthcare settings?

- a) Performing complex surgeries
- b) Diagnosing rare diseases
- c) Scheduling appointments and providing medication reminders
- d) Developing treatment plans

iv. What is a significant challenge associated with the use of AI in healthcare?

- a) Lack of available medical data
- b) Data privacy concerns
- c) High cost of AI technologies
- d) Overreliance on AI for surgical procedures

v. What does the passage suggest about the role of human healthcare providers in the future?

- a) They will need to work collaboratively with AI.
- b) They will be completely replaced by AI.
- c) Their role will become less important.
- d) They will focus only on administrative tasks.

vi. Complete the following statement:

Bias in AI algorithms is a concern in healthcare _____.

vii. What is the potential future application of AI mentioned in the passage?

- a) Replacing all medical professionals with robots.
- b) Developing universal treatments for all patients.
- c) Creating personalized medicine tailored to individual patients
- d) Eliminating the need for hospitals.

viii. How can AI improve patient outcomes according to the passage?

- a) By increasing the number of hospital visits
- b) By making healthcare more expensive

reducing the need for medication
by providing more accurate diagnoses and timely interventions

9. State whether the following statement is *True or False*.

Traditional drug discovery process involves the complexity of analyzing large amounts of data manually.

x. Why is a collaborative approach between AI and human healthcare providers important?

- A) AI cannot perform intricate medical procedures.
- B) AI is too expensive to use independently.
- C) AI lacks the empathy and nuanced judgment of human providers.
- D) Human health providers are less efficient than AI.

xi. **Assertion (A):** AI is essential in modern healthcare for improving efficiency and accuracy.

Reason (R): AI can replace all tasks performed by human healthcare providers.

- A) Both A and R are true, and R is the correct explanation of A.
- B) Both A and R are true, but R is not the correct explanation of A.
- C) A is true, but R is false.
- D) A is false, but R is true.

xii. **Assertion (A):** Bias in AI algorithms can lead to disparities in patient care.

Reason (R): AI systems may produce skewed results if trained on non-diverse data sets.

- A) Both A and R are true, and R is the correct explanation of A.
- B) Both A and R are true, but R is not the correct explanation of A.
- C) A is true, but R is false.
- D) A is false, but R is true.

2. Read the following passage carefully :

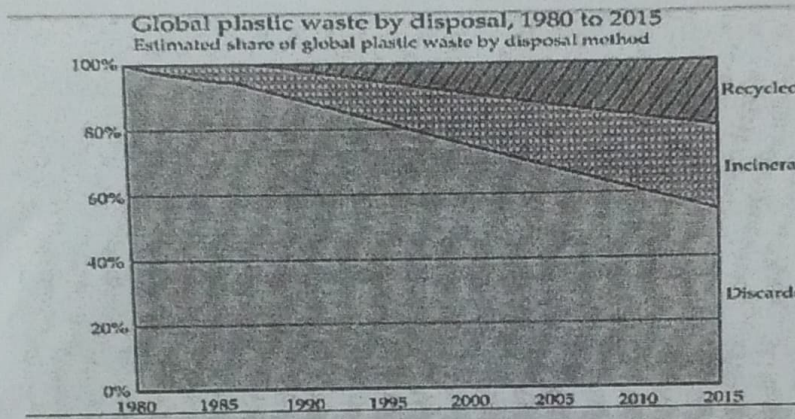
1. When plastic waste is burnt, a complex weave of toxic chemicals is released, breaking down Poly Vinyl Chloride (PVC) used for packaging, toys and coating electrical wires. It produces dioxin, organochlorine which belongs to the family of Persistent Organic Pollutants (POPs). A recent Dioxin Assessment Report brought out by the United States Environment Protection Agency (USEPA) says the risk of getting cancer from dioxin is ten times higher than reported by the agency in 1994.

2. The Delhi government has given the green signal to a gasification project which will convert garbage into energy without removing plastic waste. This way, no air pollution will be caused and the ash produced can be used as manure. The project built with Australian assistance will cost 200 crore. It will generate 25 megawatts of power and gobble 1,000 tons of garbage every day. Technologies like gasification are a form of incineration. Incineration merely transfers hazardous waste from a solid form to air, water and ash. Toxins produced during incineration include acidic gases, heavy metals as well as dioxins and furans.

3. Municipal solid waste contains a mix of plastics. Breaking down this waste emits hydrochloric acid which attacks the respiratory system, skin and eyes, resulting in coughing, vomiting and nausea. Polyethylene generates volatile compounds like formaldehyde and acetaldehyde, both suspected carcinogenic. Breathing styrene from polystyrene can cause leukemia. Polyurethane is associated with asthma. Dioxin released by PVC is a powerful hormone disrupter and causes birth defects and reproductive problems.

4. Even the best run incinerators in the world have to deal with stringent norms. In Germany, air pollution devices accounted for two-thirds the cost of incineration. Despite such efforts, the European Dioxin Inventory noted that the input of dioxin into the atmosphere was the highest from incineration.

5. In the chart, we see the share of global plastic waste that was discarded, recycled or incinerated from 1980 through 2015. Prior to 1980, recycling and incineration of plastic was negligible; 100 percent was therefore discarded. Rates increased on average by about 0.7 percent per year from 1980 for incineration and from 1990 for recycling. In 2015, an estimated 55 percent of global plastic waste was discarded, 25 percent was incinerated and 20 percent recycled.



6. Indian garbage has a low calorific content of about 800 kg and it has high moisture and requires additional fuel to burn. Toxics link calculates that the electricity generated from such technology will cost between 5 and 7 per unit, which is six times higher than conventional energy. India has chosen a dioxinpreventive route and burning of chlorinated plastics is prohibited under Municipal Solid Waste and Biomedical Rules. Nearly 80 percent of Indian garbage is recyclable or compostable.

Answer the following questions based on the passage above.

[10x1]

i. Does the following statement agree with the information given in paragraph 6?
Discarded plastic waste produces greenhouse gas emissions when exposed to sunlight in both air and water if it is not recycled or disposed of in a controlled manner.

Select from the following:

True - if the statement agrees with the information

False - if the statement contradicts the information

Not Given - if there is no information on this

ii. Do you think that garbage from India has a high calorific content? Support your answer with reference to the passage.

iii. Based on the given graphical representation of data in the passage, choose the option that lists the statements that are TRUE.

1. In the year 2015, the incinerated plastic waste disposal was 80%.
2. In the year 1980, the share of discarded plastic waste was 100%.
3. Discarded plastic waste was 60% in the year 2010.
4. Recycled plastic waste in the year 2000 was less than 70%.

Choose the correct option:

(a) 1,2 and 3

(b) 2 and 3

(c) 1 and 4

(d) 1,3 and 4

iv. Complete the sentence based on the following statement. 'Burning plastic waste is harmful and causes cancer'. We can say this because _____.

- Which of the following statements are NOT TRUE according to the passage?
- India has adopted a preventive measure under which burning of chlorinated plastics is prohibited.
- EUSEPA says that the risk of getting cancer from dioxin is hundredtimes higher than reported by the agency in 1994.
- c. Incineration merely transfers hazardous waste from a solid form to air, water and ash.
- d. Hydrochloric acid attacks the digestive system, nose and eyes which results in diabetes and nausea.

- a) 1 and 3 b) 3 and 4 c) 1 and 2 d) 2 and 4

vi. Garbage can be converted into energy by _____.

a) gratification b) a chemical process c) gasification d) incinerators

vii. The Delhi government is giving the green signal to a gasification project which will convert garbage into energy without removing plastic waste. Explain what is the purpose of the waste-to-energy project?

viii. The respiratory system, skin, and eyes are affected by _____.

a) Polyethylene b) Hydrochloric acid c) Polystyrene d) Dioxin

ix) A word in paragraph 4 which means the same as 'strict' is stringent.

x) A word in paragraph 5 which is the antonym of 'significant' is insignificant.

SECTION B - CREATIVE WRITING SKILLS

18 Marks

3. Attempt any ONE from A or B in about 50 words.

[4]

A. Many residents of Boulevard Bliss Complex, Bhopal have undertaken the responsibility of feeding the street dogs in the complex. As Reema/Rajeev, President of R.W.A., draft a notice announcing fixed feeding spots and timings to avoid inconvenience to other residents.

OR

B. An orange alert has been sounded in your city because of heavy rains in this monsoon season. Schools have been shut down for three days. As Principal, Greenwood Public School, Guwahati, draft a notice in 50 words informing parents of the same, inventing necessary details. You are Dr. K.K. Sen.

4. Attempt any ONE from A or B in about 50 words.

[4]

A. You are the Principal of VidyaBharti Senior Secondary School, Ooty. The school has completed 25 years of meritorious service to the society. The Silver Jubilee Celebrations are to be held on Sunday, the 26th October, 20XX. Mrs. L. Talapatra, the founder Principal will preside over the event. Draft a suitable invitation to be sent to important dignitaries of the city, the parents and students.

OR

B. You are Dr. Srinivas Jain, an eminent educationist. You have been invited to preside over an Inter - Zonal Declamation competition by Neha Sikri, the President of English Literary Club of Government Model Sr. Sec. School, Sector -19, Chandigarh. Write a letter of acceptance to the invitation.

5. Attempt any ONE from A or B in about 120-150 words.

[5]

A. Lack of opportunities in rural areas is forcing people to migrate to cities. Every big city, thus, has a number

of slums in it. Life in these slums is miserable. Write a letter to the Editor of a national newspaper highlighting their condition and suggest how can the living conditions be improved in these slums. You are Binita/Binay, M-21, Mayfair Gardens, New Delhi.

OR

B. *Milk adulteration is a serious problem in our cities and the authorities are not bothered at all.*

You are Nishtha/Nishchay, a resident of Ghaziabad. After reading a news report in a newspaper about the sale of synthetic and adulterated milk in the market you feel deeply disturbed. Write a letter to the Editor of Times of India, New Delhi voicing your concern for the health of the unsuspecting consumers and suggesting ways to deal with the offenders.

6. Attempt any ONE from A or B in about 120-150 words.

[5]

A. India is said to be a young country which is emerging as a global power. As a responsible youth, you are increasingly concerned about the problems of corruption, environment, pollution, misuse of natural resources, etc. Write an article in 120-150 words on your vision of India in 2040.

OR

B. Write an article exploring the *Influence of Western culture on Indian Youth*. Discuss both the positive and negative aspects and comment on how Indian culture can be preserved while embracing global influences.

SECTION C - LITERATURE

40 Marks

7. Read the following extract carefully and answer the questions that follow:

[6x1]

A)... We have imagined for the mighty dead;
All lovely tales that we have heard or read;
An endless fountain of immortal drink,
Pouring unto us from heaven's brink.

i) The phrase immortal drink refers to:

- | | |
|--------------------------------|-----------------------------|
| a. blessings of our ancestors. | b. the teachings of nature. |
| c. a life - giving force. | d. the beauty of heaven. |

ii) All lovely tales evoke the feeling of:

- | | |
|---------------------------|--------------------|
| a. sadness and nostalgia. | b. only nostalgia. |
| c. inspiration and pride. | d. only pride. |

iii) On the basis of the extract, choose the correct option with reference to the two statements given below.

- (1) Beautiful things are gifts from God for all of us.
 - (2) Beautiful objects of nature are forever like a never - ending potion.
- | |
|--|
| a. (1) can be inferred from the extract but (2) cannot. |
| b. (2) can be inferred from the extract but (1) cannot. |
| c. Both (1) and (2) can be inferred from the extract. |
| d. (2) is the reason for (1) and can be inferred from the extract. |

The literary device used by the poet in the following lines is _____.
endless fountain of immortal drink, Pouring unto us from heaven's brink.

- personification b. allegory c. imagery d. synecdoche

v) Answer in one word: The word (from the extract) which means verge or threshold is _____.

vi) The benefits of a thing of beauty for humans include _____.

1. healthy body 2. calm mind 3. struggle - free life 4. better relationships 5. hope to carry on

Choose the most appropriate option.

- a. Only (5) b. (1), (2) and (5) c. (1), (3) and (5) d. (2) and (4)

OR

B) Read the extract carefully and answer the questions that follow:

[6x1]

...I saw my mother beside me
doze, open mouthed, her face
ashen like that
of a corpse and realised with
pain
that she was as old as she
looked but soon
put that thought away,
and looked out at Young Trees sprinting,
the merry children spilling out of their homes.

i) Choose the option that displays the same poetic device as used in the expression *ashen like that of a corpse*.

- a. He was a lion in the battle. b. The flood was a giant that swallowed more than a dozen villages.
c. He walked as slowly as a snail. d. The tree blocks the free flow of water.

ii) Choose the correct option that best explains the reason for the poet to put that thought away.

- a. The mother's face was pale and ugly.
b. It was unbearable for her to see her mother sleeping.
c. She was troubled by the thought of her mother's perpetual state of exhaustion.
d. She was deeply pained by the thought of the mother's imminent death.

iii) What does the expression 'doze open mouthed' describe about the poet's mother?

- a. She is sleeping and relaxing. b. She is aged and exhausted.
c. She is tired of travelling. d. She is not in a mood to talk to her daughter.

iv) Answer in ONE word. The poet uses the image of sprinting trees to emphasize the _____ to the ageing mother.

v) On the basis of the extract, choose the correct option with reference to the two statements given below.

- (1) The poet portrays typical mother-daughter love and affection.
(2) The poet is horrified by the thought of losing her.

- a. (1) can be inferred from the extract but (2) cannot.
b. (2) can be inferred from the extract but (1) cannot.

- c. Both (1) and (2) can be inferred from the extract.
- d. (2) is the reason for (1) and can be inferred from the extract.

- vi) What mood does the expression 'merry children spilling' bring in?
- a. Happiness and enthusiasm
 - b. Innocence and playfulness
 - c. Laziness
 - d. Joy and innocence

8. Read the text carefully and answer the questions that follow: [4x1]

A. You lose all earthly sense of perspective and time here. The visual scale ranges from the microscopic to the mighty: midges and mites to blue whales and icebergs as big as countries (the largest recorded was the size of Belgium).

Days go on and on and on in surreal 24-hour austral summer light, and a ubiquitous silence, interrupted only by the occasional avalanche or calving ice sheet, consecrates the place. It's an immersion that will force you to place yourself in the context of the earth's geological history. And for humans, the prognosis isn't good.

i) Select the option that correctly fits the analogy of "microscopic : mighty" out of the ones given below.

1. Trace of a skin cell: trace of a bird's egg

2. A grain of rice: field of wheat

3. A scoop of ice cream: an ice-cream cone

4. A drop of water: Pacific Ocean

- a) 1, 2 b) 3, 4 c) 1, 3 d) 2, 4

ii) Choose the option listing the elements that influences one to think of earth's physicality.

1. Breakage of an iceberg from a glacier

2. Midges and mites

3. A regular seen avalanche

4. Summerlight in the Southern hemisphere

- a) 1, 2 b) 3, 4 c) 1, 4 d) 2, 3

iii) Complete the sentence appropriately, with reference to the extract.

The *phrase* in the extract that refers to the range of things one can see is _____.

iv. How did Antarctica amaze the writer when she first saw it?

OR

B. Read the text carefully and answer the questions that follow: [4x1]

The Dewan went home convinced that if the Maharaja didn't find the tiger soon, the results could be catastrophic. He felt life returning to him only when he saw the tiger which had been brought from the People's Park in Madras and kept hidden in his house .

i) The phrase 'life returning to him' here means _____.

- a) change things in a better way
- b) resurrect things that are inactive
- c) change things as per the situation
- d) bring life to the unconscious

ii) What was the Dewan convinced of, as per the extract?

Complete the sentence appropriately with suitable words.

the sight of _____ the Dewan of all his worries.

iv) Select the most suitable title for the given extract.

- a) Dewan's Quick Fix b) The Mystery Unfolds
c) The Conclusion d) The Last Resort

9. Read the text carefully and answer the questions that follow:

[6x1]

A. 'It takes longer to build a school,' I say, embarrassed at having made a promise that was not meant. But promises like mine abound in every corner of his bleak world.

After months of knowing him,

I ask him his name, 'Saheb-e-Alam, he announces. He does not know what it means. If he knew its meaning- lord of the universe- he would have a hard time believing it. Unaware of what his name represents, he roams the streets with his friends, an army of barefoot boys who appear like the morning birds and disappear at noon. Over the months, I have come to recognise each of them.

i) What is the most likely reason for the narrator's embarrassment?

It could be because

- a) she was not able to build the school in time. b) she does not know the name of the boy.
c) she is guilty of giving a false hope to the boy. d) she is not aware of his bleak world.

ii) Rewrite the sentence by replacing the underlined phrase with its inference.

He was oblivious to the literal meaning of his name.

iii) On the basis of the extract, choose the correct option with reference to the two statements given below:

(1) The boy's name was ironical.

(2) The boy had a hard time believing it.

- a) (1) can be inferred from the extract but (2) cannot.
b) (1) cannot be inferred from the extract but (2) can.
c) (1) is true but (2) is false.
d) (2) is the reason for (1).

iv) Select the option that describes the literary device used in the expression, 'an army of barefoot boys who appear like morning birds'.

- a) Metaphor b) Simile c) Hyperbole d) Alliteration

v) Give reason, to support the given opinion: The boy had many hollow promises in his bleak world.

vi) Replace the underlined word with its antonym from the extract. The narrator forgot each of their faces.

OR

Read the text carefully and answer the questions that follow:

[6x1]

B. Poor man! It was in honour of this last lesson that he had put on his fine Sunday clothes, and now I understood why the old men of the village were sitting there in the back of the room. It was because they were sorry, too, that they had not gone to school more. It was their way of thanking our master for his forty years of faithful service and of showing their respect for the country that was theirs no more.

i) Select the suitable word from the extract to complete the following analogy:

Honour: Respect :: _____: Regretful

ii) Based on the above extract, choose the statement that is FALSE for the villagers.

- a) They had gathered to bid farewell to M.Hamel.
- b) They expressed their gratitude towards M.Hamel .
- c) They regretted not learning their mother tongue seriously.
- d) They were more willing to welcome a replacement for M.Hamel.

iii) Why does the narrator refer to M. Hamel as 'Poorman!' ?

- a) He empathizes with M.Hamel as he had to leave the village
- b) He believes that M. Hamel's "fine Sunday clothes" clearly reflected that he was not rich.
- c) He feels sorry for M. Hamel as it was his last French lesson.
- d) He thinks that M. Hamel's patriotism and sense of duty resulted in his poverty.

iv) Which of the following idioms might describe the villagers act of attending the last lesson most accurately?

- a) 'Too good to miss'
- b) 'Too little, too late'
- c) 'Too many cooks spoil the broth'
- c) 'Too cool for school'

v) Give reason, to support the given opinion:

Besides M. Hamel, there was one thing more that brought the old men of the village there.

vi) Complete the sentence with an appropriate explanation, as per the extract.

M. Hamel was wearing his best dress in _____

10. Answer ANY FIVE of the following questions in 40- 50 words each:

[5x2=10]

- i) What made M. Hamel emotional towards the end of his last lesson?
- ii) Which factors led Douglas to decide in favour of the Y.M.C.A. pool?
- iii) Why does the poet ask us to count up to twelve in the poem Keeping Quiet?
- iv) If you are one seeking inspiration, it can be found everywhere - in mortal as well as in immortal entities. Justify with reference to 'A Thing of Beauty'.

v) Garbage to them is gold. Why does the author say so about the ragpickers?

vi) "Edla sat and hung her head even more dejectedly than usual". Which two reasons forced her to behave in that manner?

11) Answer ANY TWO of the following questions in 40- 50 words each:

[2x2=4]

- i) How was the Maharaja able to save his kingdom from the anger of the British official?
- ii) What would have Sam done in Galesburg for his living? Why?
- iii) When did India and other countries form a part of Antarctica?

12) Answer ANY ONE of the following in about 120-150 words.

[1x5=5]

A. Imagine yourself as the writer from 'Lost Spring'. You were touched by the characters of Saheb and Mukesh as you interacted with them. Write a diary entry on your perception of the two young boys and how they were similar or different in 120-150 words.

You may begin like this- Life is full of new learnings and experiences! I happened to come across two young boys who opened my eyes to some harsh realities of life.

OR

3. Imagine that the bully who threw Douglas into the pool reads this chapter and realizes his mistake. As the bully, write a diary entry penning down your response to Douglas' perseverance and your own feelings of guilt and regret. You may begin like this- Today, something unexpected happened. I came across a chapter called 'Deep Water' and as I started reading it, I was shaken

13) Answer ANY ONE of the following in about 120-150 words.

[1x5=5]

A. Imagine that you come across Louisa's diary. What might you find in it about the third level? Compose one diary entry based on any of the events from the story, 'The Third Level'.

OR

B. What is the relevance of the statement, "Take care of the small things and the big things will take care of themselves", in the context of the Antarctic environment? Do you find relevance of this statement in your life too? Elucidate with a suitable example.
