



DELHI PUBLIC SCHOOL
SAIL TOWNSHIP, RANCHI
WINTER ASSIGNMENT 2019-2020
CLASS- IX

ENGLISH
SECTION A (READING)

1. Read the passage carefully and answer the questions that follows:

1. Ever since I can remember, I always felt I was stupid, really stupid. I lost my father when I was three. Since I was a sick child, a polio victim, I lived with my grandmother in Mumbai so I could avail of the metro's advanced medical facilities. I remember being on the streets all day, playing or lazing around.

2. When I turned ten, my mother and my sister came to live in Mumbai too. My sister was a bright student, always securing high grades. She and my mother encouraged me to study, but I just could not bring myself to concentrate on any subject. I would get bored and feel sleepy when forced to open my books. After innumerable lectures on the importance of studying had failed, mother tried threats as well, but nothing worked, I truly believed I was stupid; no matter how much I worked, it wouldn't help.

3. One afternoon, as always, I was sitting under a tree in the school premises eating potato wafers when I saw a former classmate approaching me. Aditi and I had been in the same class the year before. I had failed sixth grade and had to repeat the year; Aditi had topped the class and was the brightest student of the seventh grade too. I flinched a little Aditi as I saw her walk towards me. 'Hi,' she said. 'Hi,' I replied, but not with much enthusiasm; I wanted her to leave. I continued to eat my chips. Ignoring my coldness, she sat down next to me. For five minutes neither of us spoke and then she asked, 'Is Devika your real sister?' 'Yes, she is,' I answered.

4. 'So how come she doesn't teach you so that you too can do well? she asked. I peered at her, wondering if she was making fun of me, but all I could see on her face was earnestness. No, she is not trying to tease me, I decided. This time I answered a little more warmly, 'She tries to, but I don't like studying.' 'Why not? I'm sure you can get good grades too,' she said emphatically. 'No, I can't. I have no brains. God forgot to give me brains, health or beauty. He gave me nothing.'

5. "That's not true. And anyway, health and beauty can't be helped, but God has given brains to everyone, we only have to learn to use it.' I shook my head, 'No, I have difficulty in concentrating, and books bore me; there is no hope for me. Please leave me alone. I am stupid, and always will be.' With the gentlest tone that she could muster she said, 'I can prove it to you that you are not stupid. Give me one chance, I will teach you to study.'

6. Though I was softening from inside, I still held on to my low self-esteem. 'You'll be wasting your time. I cannot study, I am not as bright as you are nor lucky as my sister,' I said 'Let me try and help you, please. I will show you the right way to study. You just have to cooperate with me. Will you try?' Her belief in me proved more powerful than my doubts about myself. She won and I relented.

1 Give reasons for the following

- a) The writer believed that she was stupid.
- b) The writer flinched as she saw her friend walking towards her.
- c) The writer lacked interest in her studies.
- d) The writer was not a very confident or assertive girl.

2 Complete the following

- a) When she had to study she felt --- and ----.
- b) The writer said that God had forgotten to give her brains ---- and --
- c) Her mother tried to convince her to study by _____ and ----.
- d) --- was the writer's sister and --- was a classmate in the previous year.

3 From the passage find one word which means the same as

- a) Make a sudden movement as a result of pain, fear, surprise etc. (para 3)
- b) Find as much support, courage etc as you can (para 5)
- c) Finally agree to something after refusing (para 6)
- d) To look carefully at something, to see it clearly (para 4)

SECTION B (Grammar And Writing)

2. Fill in the blanks with appropriate modals.

- a. _____ you live happily and long!
- b. I _____ swim across the river when I was young.
- c. I _____ be twenty five next birthday.
- d. This _____ be the book you want, I suppose.
- e. I expected that I _____ get a first class.
- f. We should obey the laws and children _____ obey their parents.
- g. We _____ to love our neighbours.
- h. How _____ you contradict me?
- i. Do you _____ to go now?
- j. You _____ improve your spellings.

3. Complete the passage by filling the blanks with appropriate modals from the options given below.

God is great and we (a) _____ be grateful to him. We (b) _____ do our duty and leave the rewards in the hands of god. Ultimately, God (c) _____ help us. We (d) _____ leave everything to god.

- (a) 1. May 2. Could 3. Should 4. Must
- (b) 1. Should 2. Will 3. Might 4. Can
- (c) 1. Should 2. If 3. Ought to 4. Will
- (d) 1. Need 2. Dare 3. Should 4. Will

4. There is a missing word in each line of the following passage write the word before and after the words that makes your answer as well as the missing modal:

Before Missing After

- | | | | |
|---|-------|-------|-------|
| a. People not ask writer why he writes his | _____ | _____ | _____ |
| b. Biography. They know that every | _____ | _____ | _____ |
| c. life be interesting if properly presented. | _____ | _____ | _____ |
| d. Moreover, we learn many things if | _____ | _____ | _____ |
| e. we want to, for a great life. It not | _____ | _____ | _____ |
| f. necessarily be the life of a great leader that inspire us. | _____ | _____ | _____ |
5. In each following sentence choose the correct word
- Margo and he parents (visit, visits) each other often.
 - Vern and Fred (need, needs) a ride to work.
 - There (is, are) a dog, a cat and a bird in the garage.
 - The committee (work, works) hard for better schools.
 - Every student in all classes (has, have) notified of the test date.
6. Correct the following sentences:
- Here are the list of supplies which you ordered.
 - Everybody in this school have taken the shot that prevent measles.
 - Some of the student in her class enters the essay contest every year.
 - Mrs and Mr Smith has been attending that conference for many years.
 - The students and doctor Lee prepare the bulletin per month.
7. Write a short story based on clues given below:
The Footpath outside my school- a secluded dark corner- the Beggar I met every day - even talked to him a times- disappears suddenly- eager and restless to know.
8. You recently visited the art and craft mela in Lucknow (Uttar Pradesh). It was a mini India assembled at one place. Make a diary entry of what you saw and experienced there. (120-150 Words)

Section C (Literature)

The Bond of Love

- How did Bruno become attached to the family of author?
- Bruno once got paralysis. Why? How was he cured?
- What do we learn from the story, "The Bond of Love"?
- "Love is natural". Illustrate with reference to the story, "The Bond of Love".
- What special arrangements were made for Bruno at the narrator's house when he was brought back to home from the zoo?

Kathmandu

- How does the describe Kathmandu's busiest streets?
- What happens when Napalese princess comes to the temple?
- What was the author's reaction to the flute seller?
- What do people do near river Baghmati?
- What do the Tibetan immigrants do near the Baudhnath Stupa?

If I Were You

1. "A mystery I propose to explain." What is the mystery the speaker proposes to explain?
2. What surprise did Gerrard receive and when did he receive it?
3. Why did Gerrard say the intruder "a sympathetic audience"?
4. What surprise did the intruder give to Gerrard? Why was it threatening?
5. Justify that during the situation of crisis, one's presence of mind and the attitude of not giving up are the most useful qualities. (120-150 words)

The Snake Trying

1. The poet the snake beautiful. Find the words he uses to convey it's beauty.
2. What does the poet wish for the snake?
3. Where was the snake before anyone saw it and chased it away? Where does the snake disappear?
4. How can it be said that the snake was harmless?
5. What does the poet appeal to the readers?

A Slumber Did My Spirit Seal

1. The passing of time will no longer affect her, says the poet. Write down the lines from the poem in which it is expressed.
2. Does he see her now as a part of nature? In which lines of the poem, it is expressed.
3. Explain: "The touch of earthly years".
4. What has been referred as "slumber"? Why did the poet do so?
5. What effect did the slumber have on the beloved of the poet after her death?

A House is Not a Home

1. What does the author notice one Sunday afternoon? What is his mother's reaction? What does she do?
2. Why did he break down in tears after the fire?
3. What two things were rescued by author's mother and why?
4. Whom all did the author feel grateful to after getting his cat back?
5. Compare and contrast author's life before and after fire incident. (120-150 words)

The Accidental Tourist

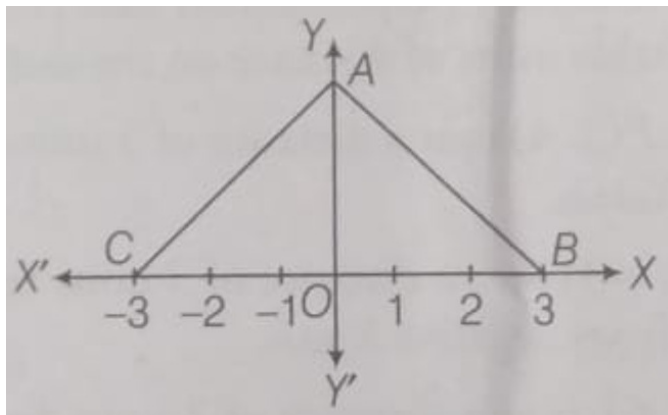
1. What happens when the zip on his carry-on bag gives way?
2. Why were his teeth and gums navy blue?
3. Describe the author's plight in cinema halls and hotels.
4. Why was the author unable to get the air miles?
5. What do you think the author suffered from? Justify your answer. How can he be act normally? (120-150 words)

The Beggar

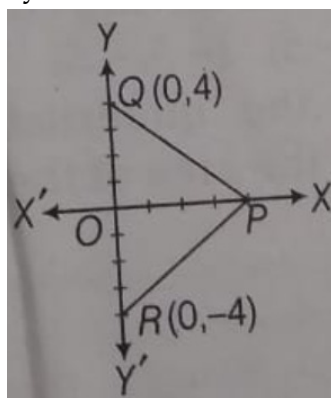
1. Is Lushkoff a willing worker? Why, then, does he agree to chop wood for Sergei ?
2. Lushkoff is earning thirty fiveroubles a month. How is he obliged to Sergie for this ?
3. Why did Sergie return to call the police?
4. Describe Sergie's meeting with the beggar.
5. Give a character sketch of Lushkoff.
6. "You can lead a horse to water, but you can't make it drink."
Justify the above proverb with reference to the story "The Beggar"

MATHEMATICS

1. If $P(0, -5)$, $Q(3,0)$, $R(0,7)$ and $S(5, -2)$ are plotted on the graph paper, then find the point(s) on the Y-axis.
2. Points $A(5,3)$, $B(-2,3)$ and $D(5, -4)$ are three vertices of a square ABCD. Plot these points on a graph paper and hence find the coordinates of the vertex C.
3. In the given figure, ABC is an equilateral triangle. The coordinates of vertices B and C are $(3,0)$ and $(-3,0)$, respectively. Find the coordinates of its vertex A. Also, find its area.



4. Plot the points $A(4,0)$, $B(4,4)$ and $C(-3,0)$. Join AB and AC. Find the area of $\triangle ABC$.
5. At what point, the graph of linear equation $2x + 3y = 6$ cuts the Y-axis?
6. In the adjoining figure, PQR is an equilateral triangle in which coordinates of Q and R are $(0,4)$ and $(0, -4)$, respectively. Find the coordinates of the vertex p.



7. Construct a $\triangle ABC$, in which $BC=3.6$ cm, $\angle B = 30^\circ$ and $AB - AC = 1.3$ cm.
8. Construct a $\triangle PQR$, given that $QR = 3$ cm, $\angle PQR = 45^\circ$ and $QP - PR = 2$ cm.
9. Show that the points $A(1,2)$, $B(-1, -16)$ and $C(0, -7)$ lie on the graph of the linear equation $y = 9x - 7$.
10. Plot the following points, join them in order and identify the figure, thus formed.
 $A(1,3)$, $B(1, -1)$, $C(7, -1)$, $D(7,3)$
11. Plot the points $(1,1)$, $(2, -2)$ and $(-1, -2)$ and check whether they are collinear or not. If not collinear, then determine the area of the figure.
12. How many solution (s) of the equation $2x + 1 = x - 3$ are there on the
 - i. number line?
 - ii. Cartesian plane?

13. In a diagnostic test of Mathematics given to students, the following marks (out of 100) are recorded
46, 52, 48, 11, 41, 62, 54, 53, 96, 40, 98, 44
Which average will be a good representative of the above data and why?
14. Draw the graph of the equation represented by a straight line which is parallel to the X-axis and at a distance of 3 units below it.
15. The mean of 16 items was found to be 30. On rechecking, it was found that two items were wrongly taken as 22 and 18 instead of 32 and 28, respectively. Find the correct mean.
16. Construct a ΔABC , whose perimeter is 12cm, $\angle B = 60^\circ$ and $\angle C = 45^\circ$ and justify the construction.
17. Draw the graph of the following equations on the same graph sheet.
 $x = 4, x = 2, y = 1, y - 3 = 0$
Also, find the area enclosed between these lines.
18. If the mean of the following data is 20.2, then find the value of p.

X	10	15	20	25	30
F	6	8	P	10	6

19. Find the mean, mode and median for the following data.
10, 15, 18, 10, 10, 20, 10, 20, 15, 21, 15, 25
20. The mean of the following distribution is 50.

x_i	f_i
10	17
30	$5a + 3$
50	32
70	$7a - 11$
90	19

Find the value of a and hence the frequencies of 30 and 70.

21. Water is flowing into a water tank at the rate of 20cu cm/s. If the volume of water collected in x's is y cu cm, then write a linear equation and draw the graph of linear equation. Find the volume of water is after 5 s.
22. A study on cost of living index for a particular year in a city, the following weekly observations were made.

Cost of living index (in Rs)	Number of weeks
140-150	5
150-160	10
160-170	20
170-180	9
180-190	6
190-200	2

Draw a histogram and a frequency polygon on the same scale.

23. The mean marks (out of 100) of boys and girls in an examination are 70 and 73, respectively. If the mean marks of all the students in that examination is 71, then find the ratio of the number of boys to the number of girls.

- ii. $6ms^{-2}$

PHYSICS

- What is an echo? Derive an expression for minimum distance between source of sound and obstacle to hear the echo. A boy standing in the middle of big square ground . There is a tall building on one side of the ground. He bursts a cracker and hears the echo 0.4 s later. What is the size of the square field?

CHEMISTRY

Unit..Natural Resources

- 1) How does the atmosphere act as a blanket?
- 2) Why do organisms need water?
- 3) State two principles responsible for weathering of rocks.
- 4) Our Earth is still covered with approximately 75% water, still there is an urgent need to conserve water. Why?
- 5) What is meant by RRR of water bodies. Explain in brief.
- 6) "Erosion of top soil disturbs the nitrogen cycle". Justify the statement. Name any two non-leguminous plants which can fix atmospheric nitrogen.
- 7) Explain the role of sun in the formation of soil.
- 8) In coastal area, wind current moves from the sea towards the land during the day; but during the night it moves from land to the sea. Discuss the reason.
- 9) What is nitrogen fixation? Mention two differences between nitrification and denitrification processes. Name the organisms involved in the processes.
- 10) You have seen weather reports on television and newspapers. How do you think we are able to predict the weather?

BIOLOGY

1.
 - i. What is binomial system of nomenclature?
 - ii. Who introduced this system and when?
 - iii. List four conventions that are followed while writing the scientific names.
 - iv. Write the scientific names of the following plants and animals:
Pigeon, Earthworm, Rohu, Cockroach, Pea, Human, China rose, Mango, Common frog, Filarial worm
2. Both *Ascaris* and earthworm are called worms and have similar appearance, but they are placed in different phyla.
 - a. Name the phylum to which each belongs.
 - b. Give reasons of placing them in separate phyla.
3. Echidna is an oviparous animal, even then it is considered a mammal. Why?
4. Mention two ways by which amphibians are advanced over fishes.
5. Mention functions of the following: -
 - a. Stinging cells of Hydra
 - b. Canal system in Porifera
 - c. Water driven tube system in Echinodermata
 - d. Notochord in Protochordata
 - e. Brood pouch in male sea horse
6. Explain the following terms: -
 - a. Diploblastic
 - b. Coelomic cavity
 - c. Bilateral symmetry
 - d. Segmentation
 - e. Viviparous
7.
 - i. Draw a labelled diagram of *Labeorohita*.
 - ii. How it is adapted for aquatic habitat? Mention 3 points.
8.
 - i. Which animals are called vertebrates? Explain.
 - ii. Mention five features that all chordates possess.

9. Give one example of each: -
 - a. A jawless vertebrate
 - b. A cartilaginous fish
 - c. A protochordate
 - d. A parasitic platyhelminth
 - e. A free living platyhelminth
10. Mention three differences between the following: -
 - a. Pisces and Amphibians
 - b. Aves and Mammals
 - c. Nematodes and Annelids
 - d. Arthropods and Molluscs
 - e. Poriferans and Coelenterates
 Also mention two examples of each.

HISTORY

1. Write a short note about
 (a) Bloody Sunday (b) Rasputin (c) Kerensky
2. Explain the April Thesis.
3. What were the social and economic condition of Russia in 1914.
4. What changed after October 1917.
5. Write a short note about the civil war of Russia.
6. What do you know about the five year plan introduced in Russia?
7. What do you think about Stalin's collectivisation program?
8. How did USSR influence the world?

POLITICAL SCIENCE

1. Which Fundamental right is known as a cluster of rights? Why?
2. Explain Judicial review
3. What is PIL
4. Name an organisation which is working for human rights world wide
5. What do you mean by 'Right'
6. What are the three 'evils' mentioned in our constitution?
7. Which fundamental right is known as the heart and soul of the constitution ? Why?
8. Differentiate constitutional rights with fundamental rights
9. Do you think that all the citizens of Saudi Arabia enjoy the same rights? Explain your answer
10. How did a democratically elected government in Kosovo breach the rights of its citizen?

ECONOMICS

Food security in India

1. What are the different dimensions of food security?
2. What is meant by famine?
3. Explain MSP
4. Differentiate between seasonal hunger and chronic hunger
5. Which states are more food insecure in India?
6. How did the green revolution make India a self sufficient country in food grains?
7. How can the government ensure food security?
8. What is buffer stock?

9. What is the importance of fair price shops in India?
10. What is the role of non government organizations in the food security in india ?

GEOGRAPHY

1. Why are the southern slopes in Himalayan region covered with thick vegetation cover as compared to northern slopes of the same hills?
2. How are forests important for human beings? Explain.
3. Write any three characteristics of the Thorn Forests and Scrubs.
4. Why is biodiversity necessary and why should it be conserved?
5. Which wild animal is considered to be the most majestic among the mammals? In which region of India are they found?
6. Why is population the pivotal element in social studies?
7. Census is primarily concerned with which three main questions about the population? Explain.
8. Why do most of the peninsular states have moderate population density?
9. Why do Northern Plains and Kerala have very high density of population?
10. Why is the rate of population growth in India declining since 1981?

हिन्दी

1. कवि ने 'अग्नि पथ' कविता के माध्यम से क्या संदेश दिया है?
2. 'खुशबू रचते हैं हाथ' कविता का प्रतिपाद्य स्पष्ट कीजिए।
3. गांधीजी ने महादेव को अपना वारिस कब कहा था?
4. महादेव की लिखावट की क्या विशेषताएँ थीं?
5. "इनसे आप लोग त्याग और हिम्मत सीखें" – गांधीजी ने यह किसके लिए और किस संदर्भ में कहा?
6. स्वच्छता का महत्व बताते हुए अपने छोटे भाई को पत्र लिखिए।
7. निम्नलिखित शब्दों का संधि विच्छेद कीजिए: –
 (i) संधि (ii) सर्वेक्षण (iii) सदैव (iv) यद्यपि
8. अधोलिखित शब्दों में से किन्हीं चार शब्दों के मूल शब्द एवं प्रत्यय अलग-अलग कीजिए:–
 (i) विनती (ii) प्रकाशित (iii) मासिक (iv) राजनीतिक (v) उपकारी
9. लाघव चिह्न एवं उद्धरण चिह्न का प्रयोग हुए एक-एक वाक्य लिखिए।
10. एक साइकिल कंपनी के लिए 20-25 शब्दों में एक विज्ञापन तैयार कीजिए।

संस्कृत

1. अधोलिखितं अनुच्छेदं पठित्वा पदतः प्रश्नानाम् उत्तराणि लिखत—

कस्यापि राष्ट्रस्य जनतायाः च उत्तम आचारः व्यवहारश्च तस्य देशस्य संस्कृतिः कथ्यते। अस्मिन् भूमण्डले अन्यदेशानां तुलनायां भारतीय संस्कृतेः इयं वैशिष्ट्यं यत् पुराणाकालात् या संस्कृतिः अत्र अंकुरिता सा एव पल्लविता अक्षुण्णा च दृश्यते। भारतीय संस्कृतौ अक्षयनिधिः वर्तते। विभिन्नतायाम् एकता अस्याः मूलधारः। एवं धर्मभेदः जातिभेदः, सम्प्रदाय भेदः च अस्मान् विभाजयितुं न शक्नुवन्ति। अस्मात् कारणात् अत्र अनेकाः वैदेशिक्यं संस्कृतयः अपि आगताः परं सर्वाः भारतीय संस्कृतौ विलीनाः। अस्याः उदात्तरूपं न केवलं संस्कृत साहित्ये एव मिलति अपितु प्रतिग्रामं प्रतिनगरं च किं बहुना लोकजीवने अपि च दृश्यते। स्वसंस्कृतिकारणात् वयं नूनं गौरवशालिनः धन्याश्च

I. एकपदेन उत्तरत –

- (i) कस्याम् अक्षयनिधिः वर्तते?
- (ii) भारतीय संस्कृतेः मूलधारः का?

II. पूर्णवाक्येन उत्तरत –

- (i) भारतीयसंस्कृतेः वैशिष्ट्यं किं भवति?
- (ii) कस्मात् कारणात् वयं गौरवशालिनः धन्याश्च?

III. निर्देशानुसारं उत्तरत –

- (i) 'वैदेशिक्यः' पदं कस्य विशेषणम् अस्ति?
(क) आगताः (ख) विलिनः (ग) संस्कृतयः (घ) परम
- (ii) अधम' पदस्य विलोमदं गद्यांशे किं प्रयुक्तम्?
(क) आचारः (ख) मूलाधारः (ग) गौरवशालिनः (घ) उत्तमः
- (iii) 'दृश्यते' क्रियापदस्य कर्तृपदं गद्यांशे किं प्रयुक्तम्?
(क) उदात्तरूपं (ख) प्रतिनगरम् (ग) लोकजीवने (घ) केवलं
- (iv) 'सा एव पल्लविता अक्षुण्णा च दृश्यते।
अत्र 'सा' इति सर्वनामपदं कस्यै प्रयुक्तम्?
(क) जनतायै (ख) एकतायै (ग) संस्कृत्यै (घ) पलवितायै

2. भवान् आयुषः। विद्यालयस्य मुक्ति प्रमाणपत्रं प्राप्तुं प्राचार्यं प्रति प्रार्थनापत्रं लिखत

मननीयाः (i)

बालभवनस्कूल

गौतमबुद्ध नगरम्

(ii) सविनयं निवेदयामि यत् अहम् अस्मिन् (iii)नवम कक्षायाम् पठामि। मम पितुः

(iv)कर्णपुर नगरे जातम् अस्ति। अस्माकं परिवारः अपि तेन (v)तत्रैव गत्वा (vi)।

अतः अहम् अस्मिन् विद्यालये (vii)न शक्नोमि। अहं परिवारेण सह तत्र गत्वा (viii)। कृपया

मह्यम् (ix)दत्त्वा उपकुर्वन्तु।

सधन्यवाद

भवतां (x)

आयुष

पठितुम्, महोदयाः,। आज्ञाकारी, शिष्यः, विद्यालये प्राचार्याः, निवृत्यस्यति, सह, स्थानान्तरणम् पठिष्यामि,
मुक्तिप्रमाणपत्रम्

3 . उचितधातुरूपैः रिक्तस्थानानि पूरयत

- (i) त्वम् श्यामं वनं। नी (विधिलिङ्ग)
- (ii) बालकाः स्वगृहे क्रीडन्तः। (मृद् लोट्)
- (iii) अत्र कोऽपि धनहीनः न। अस् (विधिलिङ्ग)

4. उचितशब्दरूपैः रिक्तस्थानि पूरयत

- (i) शूद्रकः विदिशायाः आसीत्। (राजन्)
- (ii) ----- कदा आगतौ? (भवत्)
- (iii) सा कुमारम् अपश्यत्। (गच्छत्)

- (iv) उज्जयिन्यांसन्ति । (विद्वस)
- (v) दुष्टेषु न विश्वसेत् (यान)
- (vi) वामतः पुत्र तिष्ठति (मातृ)
- (vii) एतत् भोजनम् अलम् (इदम्)
5. संस्कृत भाषायाम् अनुवादं कुरुत
- (i) मेरा भाई जयपुर में रहता है ।
- (ii) तुम सब कहाँ जा रहे हो?
- (iii) बालक साँप से डरता है ।
6. घटनाक्रमनुसारं वाक्यानि पुनः लिखत
- (i) भो! नास्ति सा, त्वदीया तुला मूषकैर्भक्षिता इति ।
- (ii) एकदा सः विदेशं गच्छन् अचिन्तयत् ।
- (iii) कस्मिंचित् अधिष्ठाने जीर्णधनः वणिक् पुत्र आसीत् ।
- (iv) धनिकः नृपस्य समीपं न्यायार्थं अगच्छत् ।
- (v) भो! श्रेष्ठिन । दीयतां मे सा निक्षेपतुला ।
- (vi) इमाम् लौहतुलां श्रेष्ठिनः गृहे निक्षिप्य गच्छामि ।
- (vii) श्येनः पुत्रं नेतुं समर्थोऽस्ति?
- (viii) अस्य पुत्रस्य अपहरणं श्येनेन कृतम् ।
7. रेखांकितपदानि आधृत्य प्रश्ननिर्माणं कुरुत
- (i) सः शिशुं गिरिगुहायां प्रक्षिप्य आगतः ।
- (ii) भीमः बाहुभ्याम् एव नेष्यति ।
- (iii) चटकः स्वकर्मणि व्यग्रः आसीत् ।
- (iv) सतां विभूतयः परोपकाराय ।