



SEF Assisted Schools (SAS)

**Existing School
Support Program (ESSP)**

**SEF Middle and High School
Program (SMHSP)**
Assessment Feb - Mar 2019



**Sindh Education Foundation
Government of Sindh**

Assessment Unit

Subject	Marks	Time
Social Studies	25	45 Minutes
Mathematics	25	45 Minutes
Science	25	45 Minutes
English	25	45 Minutes
Total	100	180 Minutes

INSTRUCTIONS FOR THE STUDENT

شاگرد جي لاءِ هدايتون

Objective Part

معروضي حصو

<ul style="list-style-type: none"> The assessment paper is divided into four parts/subjects. Each part/subject contains objective part and subjective part. 	<ul style="list-style-type: none"> پيپر کي چئن حصن/مضمونن ۾ ورهايو ويو آهي. هر هڪ حصو/مضمون معروضي ۽ موضوعي حصي تي مشتمل آهي.
<ul style="list-style-type: none"> All questions are compulsory. 	<ul style="list-style-type: none"> سڀ سوال لازمي آهن.
<ul style="list-style-type: none"> Each MCQ carry 1 mark. 	<ul style="list-style-type: none"> سڀني سوالن تي هڪ جيتريون مارڪون رکيل آهن.
<ul style="list-style-type: none"> Fill only one circle for each question. If more than one circle is filled in for a single question, the answer for that question will be declared invalid. 	<ul style="list-style-type: none"> هر هڪ سوال جي جواب لاءِ فقط هڪ گولڙي کي ڀريو. جيڪڏهن هڪ سوال جي جواب لاءِ هڪ کان وڌيڪ گولڙن کي ڀريو ويو ته ان جواب کي غلط تصور ڪيو ويندو.
<ul style="list-style-type: none"> If you need to change an answer, first erase the originally filled circle thoroughly, and then fill the circle against alternative option. 	<ul style="list-style-type: none"> جيڪڏهن توهان ڪنهن به سوال جي ڏنل جواب کي تبديل ڪرڻ چاهيو ته پهريان کان ڀريل گولڙي کي چڱيءَ طرح ڊاهيو ۽ پوءِ ٻئي گولڙي کي ڀريو.
<ul style="list-style-type: none"> Fill correct option according to the following example. 	<ul style="list-style-type: none"> جواب کي هيٺ ڏنل مثال مطابق چڱيءَ ريت ڀريو.
<p style="text-align: center;"> <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D </p>	
<ul style="list-style-type: none"> Pencil should be used to fill the answers. 	<ul style="list-style-type: none"> جوابن واري گولڙي کي پيرڻ لاءِ پينسل جو استعمال ڪريو.
<ul style="list-style-type: none"> Finish each part in the given time as mentioned in the paper. 	<ul style="list-style-type: none"> پيپر ۾ ڏنل هر هڪ حصي کي ڏنل وقت مطابق حل ڪريو.
<ul style="list-style-type: none"> Use the given blank page for mathematics rough work. 	<ul style="list-style-type: none"> رياضيءَ جو رڻ ڪم ڪرڻ لاءِ ڏنل خالي صفحو استعمال ڪريو.

INSTRUCTIONS FOR THE STUDENT

شاگرد جي لاءِ هدايتون

Subjective Part

موضوعي حصو

▪ All questions are compulsory.	▪ سڀ سوال لازمي آهن.
▪ Marks of each question in subjective paper are given at the end of the question.	▪ موضوعي حصي ۾ هر هڪ سوال جي آخر ۾ ان جون مارڪون ڏنل آهن.
▪ Pencil should be used to write the answers.	▪ جواب لکڻ لاءِ پينسل جو استعمال ڪريو.
▪ Avoid over writing or untidy work.	▪ ٻڻي لکڻي ۽ ڊاهه ڊوهه واري ڪم کان پاسو ڪريو.
▪ Use the given blank page for mathematics rough work.	▪ رياضيءَ جو رڻ ڪم ڪرڻ لاءِ ڏنل خالي صفحو استعمال ڪريو.

MCQ Practice

1. Name of our country is

1. اسانجي ملڪ جونالو آهي

Kenya.

Ⓐ

ڪينيا.

Pakistan.

Ⓑ

پاڪستان.

Indonesia.

Ⓒ

انڊونيشيا.

Malaysia.

Ⓓ

ملائيشيا.

2. Add.

2. جوڙ ڪريو.

$$2 + 2 = \underline{\hspace{2cm}}.$$

2

Ⓐ

4

Ⓑ

6

Ⓒ

8

Ⓓ

Social Studies

1. Industrial and domestic waste which is channeled towards rivers is the major cause of
1. صنعتي ۽ گھرونيڪال جيڪو دريائن ۾ ڇڏيو وڃي ٿو اهو سبب بڻجي ٿو

- air pollution. (A) هوائي گدلاڻ جو.
- soil pollution. (B) زميني گدلاڻ جو.
- water pollution. (C) پاڻيءَ جي گدلاڻ جو.
- sound pollution. (D) آواز جي گدلاڻ جو.

2. The information technology refers to the use of digital machines for exchange of information from one place to another. Which of the following is a tool of information technology?
2. انفارميشن ٽيڪنالاجي جو مطلب آهي مشينن ذريعي معلومات کي هڪ جڳهه کان ٻي جڳهه تائين منتقل ڪرڻ. هيٺين مان ڪهڙو اوزار انفارميشن ٽيڪنالاجي جو آهي؟

- Book (A) ڪتاب
- Computer (B) ڪمپيوٽر
- Magazine (C) رسالو
- Newspaper (D) اخبار

3. The means of transportation which consumes least time for individuals is the travel via
3. سفر جو اهو ذريعو جيڪو ڪنهن فرد جي سفر ۾ سڀ کان گهٽ وقت وٺي، اهو سفر آهي

- air. (A) هوا ذريعي.
- sea. (B) سمنڊ ذريعي.
- road. (C) روڊ ذريعي.
- train. (D) ريل ذريعي.

4. The first European to reach India through sea was
4. اهو پهريون يورپي جيڪو سمنڊ وسيلي ڀارت پهتو، اهو هو

- King of Portugal. (A) پورچوگال جو بادشاهه.
- Vasco da Gama. (B) واسڪو ڊي گاما.
- King Ferdinand. (C) بادشاهه فردينانڊ.
- Christopher Columbus. (D) ڪرسٽوفر ڪولمبس.

5. Mining is the process of obtaining useful minerals from the layer of earth. Which of the following is a mineral?

5. ڪاٽيون ڪوٽڻ هڪ اهڙو طريقو آهي، جنهن ذريعي ڌرتيءَ جي تهه مان ڪارآمد معدنيات ڪڍيا ويندا آهن. هيٺ ڏنل مان ڪهڙي معدنيات آهي؟

iron	Ⓐ	لوهه
plastic	Ⓑ	پلاسٽڪ
rubber	Ⓒ	ريٽر
wood	Ⓓ	ڪاٺ

6. Identify the sparsely populated region from the following.

6. هيٺ ڏنل مان چڱي آباديءَ واري خطي جي سڃاڻپ ڪريو.

Antarctica	Ⓐ	آينٽارڪٽيڪا
Western Europe	Ⓑ	اولهه يورپ
Japan and Taiwan	Ⓒ	جاپان ۽ تائيوان
Southeastern Canada	Ⓓ	ڏاکڻيون ڪئنيڊا

7. The earth has four seasons. they are caused by
7. ڌرتيءَ تي چار مندون ٿينديون آهن. اهي جنهن سبب جي ڪري ٽين ٿيون اهو آهي ڌرتيءَ جو پنهنجي

tilt on its axis.	Ⓐ	مدار تي جهڪاءُ
rotation on its axis.	Ⓑ	مدار تي چڪر
revolution on orbit.	Ⓒ	مدار تي ڦيرو
distance from the sun.	Ⓓ	سج کان فاصلو

8. When the origin of an earthquake is in an ocean, it causes the movement of water which is called
8. جڏهن ڪنهن زلزلي جو مرڪز سمنڊ جي اندر هجي ته، ان جي نتيجي ۾ ٿيڻ واري پاڻيءَ جي چرپر کي چئبو آهي

currents.	Ⓐ	ڪرنٽ
tsunami.	Ⓑ	سونامي
waves.	Ⓒ	لهرون
tides.	Ⓓ	ويرون

9. A climatic region which is situated between 66.5degrees to 90 degrees on both sides of equator, is called

9. اهو آبھوائي خطو جيڪو خط استوا جي ٻنهي پاسي 66.5 کان 90 ڊگرين جي وچ ۾ هجي ان کي چئبو آهي

hot desert region.

Ⓐ

گرم بياباني خطو.

equatorial region.

Ⓑ

خط استوائي خطو.

monsoon region.

Ⓒ

چوماسيءَ وارو خطو.

polar region.

Ⓓ

قطبي خطو.

10. Identify the region from the following which will have highest population.

10. هيٺ ڏنل مان ان خطي جي سڃاڻپ ڪريو جتان جي آبادي گھڻائي/گھٽيل هوندي.

desert region

Ⓐ

بياباني خطو

polar region

Ⓑ

قطبي خطو

coastal region

Ⓒ

ساحلي خطو

mountainous region

Ⓓ

جابلو خطو

11. Write a note on the given topic

11. هيٺ ڏنل موضوع تي نوٽ لکو.

(Marks 03)

“Industries”

صنعتون

12. آباديءَ ۾ ٽڪڙي واڌ معاشري ۾ ڪيترائي مسئلا پيدا ڪندي آهي. توهان جي خيال ۾ پاڪستاني معاشري ۾ آباديءَ جي ٽڪڙي واڌ جي ڪري ڪهڙي قسم جا آمدرفت يا اچ وڃ جا مسئلا پيدا ٿي سگهن ٿا؟

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

13. Large and dark spots on the sun are called sunspots. Write **any three** characteristics of sunspot.

13. سج جي مٿان وڌن ۽ اونداهن نشانن کي سن اسپاٽ چئبو آهي. سن اسپاٽ جون ڪي به ٽي خاصيتون لکون.

(Marks 03)

[illegible]

14. Write any three natural regions in which North America can be divided.

14. ڪي به ٽي قدرتي خطا لکجن ۾ اتر آمريڪا کي ورهائي سگهجي ٿو.

(Marks 03)

[illegible]

15. Describe the climate of the hot desert region.

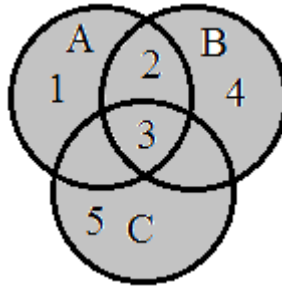
15. گرم بياباني ڀاڱي جي آبهوا کي بيان ڪريو.

(Marks 03)

“Rough Work”

Mathematics

16. Identify the operation between three sets A, B and C through the given Venn diagram. 16. وین ڊایاگرام جي ذریعے تین سیٽن A، B ۽ C وچ ۾ عمل جي سڃاڻپ ڪریو.



$$A \cup (B \cup C)$$

Ⓐ

$$A \cap (B \cup C)$$

Ⓑ

$$A \cup (B \cap C)$$

Ⓒ

$$A \cap (B \cap C)$$

Ⓓ

17. If $Z = \{1, 2\}$, then $P(Z)$ is

17. جيڪڏهن $Z = \{1, 2\}$ ، ته پوءِ $P(Z)$ آهي

$$\emptyset$$

Ⓐ

$$\{\{1\}, \{2\}\}$$

Ⓑ

$$\{\emptyset, \{1\}, \{2\}\}$$

Ⓒ

$$\{\emptyset, \{1\}, \{2\}, \{1, 2\}\}$$

Ⓓ

18. A man invested Rs 30,000 at the rate of 10% per annum for 2 years. The profit he receives in rupees would be

18. هڪ ماڻهو 30000 روپين جي سيڙپ ڪاري 10% سالياني حساب سان 2 سالن لاءِ ڪئي. هن کي جيڪو منافع روپين ۾ ملندو، اهو هوندو

4,250

(A)

4,750

(B)

5,500

(C)

6,000

(D)

19. When $a = 3x$ and $b = x - 3y$, then $a + b =$ _____.

19. جڏهن $a = 3x$ ۽ $b = x - 3y$ ، ته پوءِ $a + b =$ _____.

$4x$

(A)

$3y$

(B)

$3x - 4y$

(C)

$4x - 3y$

(D)

20. $\{(2, -1)\}$ is the solution set of

20. $\{(2, -1)\}$ حل سيٽ آهي

$x + y + 1 = 0$

Ⓐ

$x - y - 1 = 0$

Ⓑ

$x + y - 1 = 0$

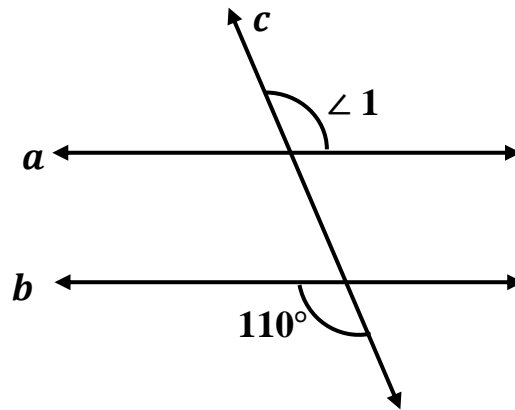
Ⓒ

$x - y + 1 = 0$

Ⓓ

21. The measurement of $\angle 1$ in the following figure would be

21. هيٺ ڏنل شڪل ۾ $\angle 1$ جي ماپ ٿيندي



100°

Ⓐ

110°

Ⓑ

120°

Ⓒ

140°

Ⓓ

22. The square root of the following decimal number up to one decimal place would be

22. هيٺ ڏنل ٻئي مول جو ڏهاڙي جي هڪ درجي تائين ڏهاڙي انگ ٿيندو

$$\sqrt{4.84}$$

- 1.5 (A)
- 1.8 (B)
- 2.2 (C)
- 2.6 (D)

23. Multiply.

23. ضرب ڪريو.

$$\begin{array}{r} 16_8 \\ \times 6_8 \\ \hline \end{array}$$

- 117₈ (A)
- 121₈ (B)
- 124₈ (C)
- 133₈ (D)

24. Identify the number of variables in the given expression. 24. هيٺ ڏنل اظهار ۾ متغير/بدلجندڙ جي تعداد جي سڃاڻپ ڪريو.

$$x + y^3 - xyz$$

- 0 Ⓐ
- 1 Ⓑ
- 2 Ⓒ
- 3 Ⓓ

25. Identify the factors of the following expression. 25. هيٺ ڏنل اظهار جي جزن جي سڃاڻپ ڪريو.

$$n^2 + 6n + 8$$

- $(n + 2)(n + 4)$ Ⓐ
- $(n - 3)(n - 3)$ Ⓑ
- $(n + 2)(n + 3)$ Ⓒ
- $(n - 2)(n - 3)$ Ⓓ

26. If $P = \{a, b, c\}$, $Q = \{a, c, d\}$ and $R = \{a, b, d\}$. Verify the following and show steps.

26. جيڪڏهن $Q = \{a, c, d\}$, $P = \{a, b, c\}$ ۽ $R = \{a, b, d\}$ ته هيٺيان تصديق ڪريو ۽ مرحلا ڏيکارو.

(Marks 04)

$$P \cap (Q \cap R) = (P \cap Q) \cap R$$

27. A man left a property of Rs 1,200,000. Divide the amount amongst his widow, a son and a daughter. Show steps.

27. هڪ ماڻهو وراثت ۾ 1,200,000 روپيا ڇڏيا. هن جي رقم هڪ بيوا، هڪ پٽ ۽ هڪ ڌيءَ ۾ ورهايو. مرحلا ڏيکاريو.

(Marks 04)

28. Simplify the following and express the answer into binary system. Show steps.
28. هيٺ ڏنل کي سادي صورت ۾ آڻيو ۽ ٻه بنياد سرشتي ۾ ان جو جواب ڏيو. مرحلا ڏيکاريو.

(Marks 04)

$$14 + 17_8 + 14_5$$

29. Divide the following. Show steps.

29. ونڊ ڪريو. مرحلا ڏيکارو.

(Marks 03)

$$(2x^3 - 6x^2 + 8x) \div 2x$$

Science

30. Identify the gas which has following properties.

30. ان گئس جي سڃاڻپ ڪريو جنهن ۾ هيٺ ڏنل خاصيتون آهن.

- It neither burns nor supports combustion.
- It is used in fire extinguisher.

- اها پاڻ نه ٻرندي آهي، نه ئي ٻرڻ ۾ مدد ڪندي آهي.
- باهم وسائڻ جي اوزارن ۾ ڪم ايندي آهي.

helium

Ⓐ

هيليئم

oxygen

Ⓑ

آڪسيجن

nitrogen

Ⓒ

نائٽروجن

carbon dioxide

Ⓓ

ڪاربان ڊاءِ آڪسائيڊ

31. The gradual rise in the temperature of the earth is due to increase in the amount of

31. ڌرتيءَ جي گرمي پد ۾ ٿيندڙ مسلسل واڌ جنهن گئس جي مقدار وڌڻ جي ڪري ٿئي ٿي، اها آهي

oxygen.

Ⓐ

آڪسيجن.

nitrogen.

Ⓑ

نائٽروجن.

hydrogen.

Ⓒ

هائيڊروجن.

carbon dioxide.

Ⓓ

ڪاربان ڊاءِ آڪسائيڊ.

32. The ratio of atoms in the Hydrochloric acid (HCl) compound is

32. هائڊروڪلورڪ ايسڊ (HCl) جي مرڪب ۾ ائٽمن جي نسبت آهي

1:1

(A)

1:2

(B)

2:1

(C)

2:2

(D)

33. When base react with acid it produces salt and

33. جڏهن اساس تيزاب سان عمل ڪندو آهي، ته پيدا ٿيندو آهي لوڻ ۽

water.

(A)

پاڻي.

nitrogen.

(B)

نائٽروجن.

hydrogen.

(C)

هائڊروجن.

carbon dioxide.

(D)

ڪاربان ڊاءِ آڪسائيڊ.

34. Carrots and oranges belong to the food group of رڪن ٿا، اهو آهي 34. گجرون ۽ نارنگيون جنهن کاڌي جي گروه سان تعلق

- | | | |
|----------------|---|---------|
| fat. | Ⓐ | سٽپ. |
| protein. | Ⓑ | پروٽين. |
| vitamins. | Ⓒ | وٽامن. |
| carbohydrates. | Ⓓ | نشاستو. |

35. Density is an important property of گهٽتائي جنهن جي اهم خاصيت آهي، اها/اهو آهي 35.

- | | | |
|---------|---|---------|
| matter. | Ⓐ | مادو. |
| liquid. | Ⓑ | پاڻياڻ. |
| solid. | Ⓒ | نھرو. |
| gas. | Ⓓ | گئس. |

36. The central hole of the Iris in human eye is called

36. انساني اک جي آئرس جي مرڪزي سوراخ کي چئبو آهي

cornea.

Ⓐ

ڪارنيا.

retina.

Ⓑ

ريٽينا.

pupil.

Ⓒ

پوپل.

sclera.

Ⓓ

اسڪليرا.

37. A piece of transparent material, usually glass whose curved surfaces are parts of sphere is called

37. اهو گول شفاف شيشي جو ٺهيل ٽڪرو جنهن جا مٿاڇرا ٻن گول جسمن جي حصن مان ٺهيل هوندا آهن، ان کي چئبو آهي

ray.

Ⓐ

ڪرڻو.

lens.

Ⓑ

بلور/لينس.

light.

Ⓒ

روشني.

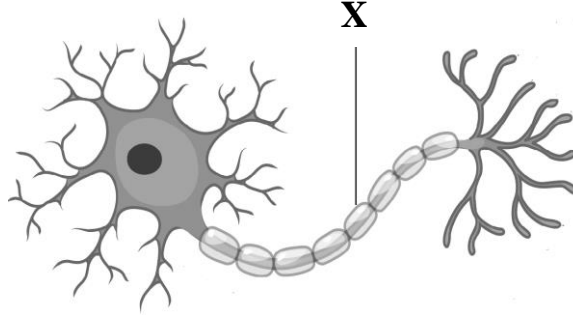
image.

Ⓓ

عڪس.

38. Following is a diagram of a nerve cell. Identify the part labelled X.

38. هيٺ ڏنل شڪل تن تي جيوگهرڙي جي آهي. X نشان لڳل حصي جي سڃاڻپ ڪريو.



axon

(A)

ايڪسان

dendrites

(B)

ڊينڊرائيٽس

motor neuron

(C)

موٽر نيوران

sensory neuron

(D)

حسي نيوران

39. Sound waves cannot travel through

39. آواز جولهرون سفر نه ڪنديون آهن

gas.

(A)

گيس مان.

solid.

(B)

نھري مان.

liquid.

(C)

پاڻياٺ مان.

vacuum.

(D)

خلا مان.

40. Explain the process of conductance of electricity through salt solution with the help of diagram. 40. شڪل جي مدد سان لوڻ جي بگار مان بجليءَ جي گذرڻ کي بيان ڪريو.

(Marks 06)

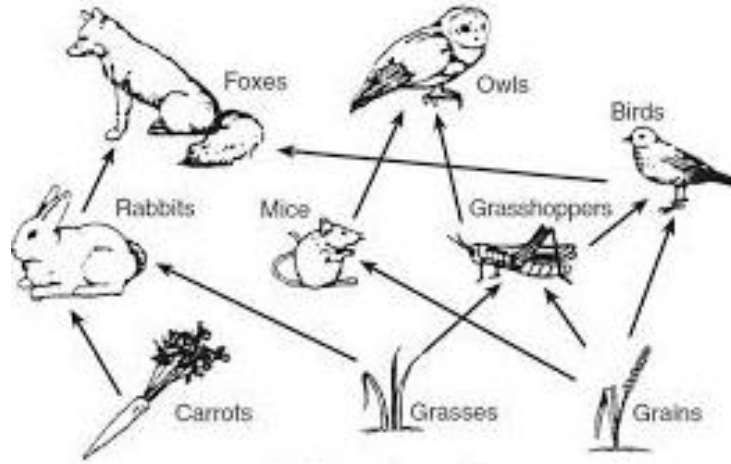
Diagram

شڪل

41. Answer the questions by looking at the food web.

41. هيٺ ڏنل ڪاڏي جي چار ڪي ڏسندي سوالن جا جواب ڏيو.

(Marks 06)



i) Define a food web.

(i) ڪاڏي جي چار جي وصف لکو.

ii) Identify **any two** herbivores in the given food web.

(ii) مٿي ڏنل ڪاڏي جي چار مان ڪن به ٻن گاهه خورن جي سڃاڻپ ڪريو.

1. _____

2. _____

iii) Identify **any two** carnivores in the given food web.

(iii) مٿي ڏنل ڪاڏي جي چار مان ڪن به ٻن گوشت خورن جي سڃاڻپ ڪريو.

1. _____

2. _____

iv) How many primary consumers are there in the food web?

(iv) ڪاڏي جي چار ۾ ڪيترا شروعاتي واپرائيندڙ/صارف آهن؟

42. Name **three** characteristics of sound.

42. آواز جون ٽي خاصيتون لکو.

(Marks 03)

- i) _____

- ii) _____

- iii) _____

English

43. Complete the following sentence.

Stunts are actions that are often

safe. ☐ (A)

foolish. ☐ (B)

dangerous. ☐ (C)

courageous. ☐ (D)

44. Identify the correct option for the given question.

What kind of a place was the forest that Basit and Raheel visited?

Lovely ☐ (A)

Too dark ☐ (B)

Very small ☐ (C)

Dangerous ☐ (D)

45. Choose the correct meaning of the given word.

Rapidly

- | | |
|-------------|---|
| Slowly | Ⓐ |
| Quickly | Ⓑ |
| Suddenly | Ⓒ |
| Beautifully | Ⓓ |

46. Identify the meaning of the underlined word in the following sentence.

Passengers who distract the drivers.

- | | |
|---------------------------|---|
| warn them | Ⓐ |
| guide them | Ⓑ |
| take away their vehicles | Ⓒ |
| take away their attention | Ⓓ |

47. Apply the appropriate word in the following sentence.

You _____ work hard.

have (A)

could (B)

would (C)

should (D)

48. Complete the sentence with the correct word.

When Seema was a child, she _____ to play with dolls.

be to (A)

out to (B)

used to (C)

ought to (D)

49. Read the given sentence and identify the preposition.

The girl sitting in front of me was very naughty.

girl

Ⓐ

sitting

Ⓑ

in front

Ⓒ

naughty

Ⓓ

50. Identify the imperative sentence from the following.

Does he go for a walk?

Ⓐ

They are good friends.

Ⓑ

Listen to me carefully.

Ⓒ

This is a blue pen.

Ⓓ

51. Choose the appropriate Adverb of manner.

- | | |
|---------|---|
| Easy | Ⓐ |
| Lazy | Ⓑ |
| Happy | Ⓒ |
| Angrily | Ⓓ |

52. Identify the tense of the given sentence.

She had not been writing a book.

- | | |
|--------------------------|---|
| Past Simple. | Ⓐ |
| Past Perfect. | Ⓑ |
| Past Continuous. | Ⓒ |
| Past Perfect Continuous. | Ⓓ |

53. Use following words in your own sentences.

(Marks 02)

i) **Education:**

ii) **Safety:**

54. Read the text carefully and answer the questions.

(Marks 05)

“The Dove and Ant”

Once upon a time there was an ant. The ant was very thirsty. She went to the river bank to quench his thirst. She began to drink water. While drinking water the ant fell into the river. She cried aloud for help. A dove was sitting on the branch of a tree nearby. He saw the ant in danger. Soon the dove plucked a leaf and dropped it near the ant. The ant climbed on the leaf and saved its Life. The ant looked at the dove thankfully. Days passed. One day the ant saw a hunter aiming his arrow at the dove. The ant ran to the hunter. She bit the hunter’s foot. The hunter turned in pain. He lost his aim and the dove flew away.

i) How did the ant fall into the river?

ii) Where was the dove sitting?

iii) How did the dove save Ant’s life?

iv) What did the ant see?

v) What did the ant do to save dove’s life?

55. Write an application to your head mistress to “improve the facilities of library” in your school.

(Marks 03)

[illegible]

56. Write an essay of 120 words on **any one** of the following topics.

(Marks 05)

- Importance of Internet.
- Value of speaking truth.
- My favourite personality.

(NOTE: Use correct punctuation, grammar and spellings)

[illegible]