Jindal Vidya Mandir, JSW Hill Side Township
Weekly Test-11 (2025-26)

Class: I/sec

Sub: EVS

Name: _____

Invigilator's Signature: _____

Max. Marks: 20

Duration: 45 minutes

Roll No. _____

Date: 13.08.25

General Instructions:

- This question paper consists of 2 pages and 14 questions.
- All the questions are compulsory.

I. Fill in the blanks from the help box.   5X1=5M

taps   garden   festival of lights   letters   Christmas

1. The gardener works in a _____.

2. The plumber mends _____.

3. Diwali is also called the _____.

4. People decorate a tree on _____.

5. A postman brings us _____.

II. Match the following.   5X1=5M

6. Eid	a. medicines	( )
7. Christmas	b. seviyan	( )
8. doctor	c. 25th December	( )
9. teacher	d. gurudwara	( )
10. Guru Nanak Jayanti	e. school	( )

III. Answer the following questions.   3X2=6M

11. What does a carpenter do?

_____

_____

_____

12. What does a sweeper do?

_____

_____

_____

13. How do people celebrate Diwali?

_____

_____

_____

14. Draw and colour a picture of your favourite festival.   4M

Jindal Vidya Mandir, JSW Hill side township
Weekly test – 11 (2025-26)

Class II/Sec :___

Duration: 45 min

Subject: Mathematics

Max. Marks: 20

Student Name:_____

Roll No: _____

Invigilator's Signature:_____

Date : _____

General Instructions: This question paper contains 3 main questions in 2 pages.

All questions are compulsory.

I. Fill in the blanks.   4X1M=4M

1. Largest 3-digit number is _____

2. Place value of 3 in 735 is _____

3. 458 + 0 = _____.

4. Standard form of 500 + 60 + 3 = _____

II. Compare the following using >, < or = $4 \times \frac{1}{2}M = 2M$
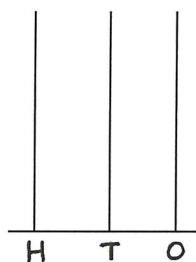
1.   254 ☐ 524

2.   730 ☐ 325

3.   145 ☐ 145

4.   875 ☐ 905

III. Answer the following.   7X2M =14M

1. Represent 648 on the abacus and write its number name.

H   T   O

Number name :_____

2.Write the numbers in expanded form.

a. 692 = _____

b. 805 = _____

3.Write in numbers.

a.Three hundred two   -   _____

b. Nine hundred fourteen -   _____

4.Arrange the numbers in ascending order.

504 , 840 , 485 , 205

_____

5.Subtract.

```
   5  1  6
-  2  3  7
_____
```

6. Add.

4 hundreds 5 tens 7 ones and 2 hundreds 3 tens 8 ones.

7.There are 485 passengers travelling in a ship.245 more passengers join them. What is the total number of passengers travelling in the ship?

_____
_____
_____
_____
_____

Jindal Vidya Mandir, JSW Hill Side Township
Weekly Test-11 (2025-26)

Class: III

Sub: Kannada(II language)

Max Marks: 20

Duration: 45minutes

- ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗಳನ್ನು ಸರಿಯಾಗಿ ಓದಿಕೊಂಡು ಉತ್ತರಿಸಿರಿ.
- ಪ್ರಶ್ನೆ ಮತ್ತು ಉಪ ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ ಯನ್ನು ಸರಿಯಾಗಿ ಬರೆಯಿರಿ.

I . ಈ ಕೆಳಗಿನ ಪದಗಳನ್ನು ವಚನ ಬದಲಿಸಿ ಬರೆಯಿರಿ.   5x1=5

1. ಚಿಕ್ಕಮ್ಮ - _____   2. ಅಣ್ಣಂದಿರು -_____   3. ಅಜ್ಜಿ -_____

4. ಶಾಲೆ -_____   5. ಗಾಡಿ -_____

II. ಈ ಕೆಳಗಿನ ಪದಗಳ ವಿರುದ್ಧ ಪದ ಬರೆಯಿರಿ.   4x1=4

1. ಆರಂಭ x _____   2. ಪ್ರವೇಶ x _____

3. ಸೋಲು x_____   4. ಧೀರ x_____

III. ಈ ಕೆಳಗಿನ ನುಡಿಗಟ್ಟುಗಳನ್ನು ಬಳಸಿ ಸ್ವಂತ ವಾಕ್ಯ ಬರೆಯಿರಿ.   2x1=2

1. ರೈಲು ಬಿಡು   2. ಎತ್ತಿದ ಕೈ

IV . ಈ ಕೆಳಗಿನ ವಾಕ್ಯಗಳನ್ನು ಸರಿಯಾದ ಕ್ರಮದಲ್ಲಿ ಪುನಃ ಬರೆಯಿರಿ .   5x1=5

1. ಆಳುತ್ತಿದ್ದರು ಹಿಂದೆ ಬ್ರಿಟಿಷರು ಭಾರತವನ್ನು.

2. ಸ್ವಾತಂತ್ರ್ಯ ಈಸೂರಿನವರು ಪ್ರೇಮಿಗಳು.

3. ನಾಡ ನಮ್ಮ ಹಬ್ಬದ ದಸರಾ.

4. ಮಾತು ಜಗಳವಿಲ್ಲ ಬಲ್ಲವನಿಗೆ.

5. ಹಣ್ಣುಗಳ ಮಾವು ರಾಜ.

V. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.   4x1=4

1. ಶಾಲಾ ಪತ್ರಿಕೆಯ ಹೆಸರೇನು?

2. ವಿವೇಕಾನಂದರ ಬಾಲ್ಯದ ಹೆಸರೇನು?

3.ಈಸೂರು ಯಾವ ಜಿಲ್ಲೆಯಲ್ಲಿದೆ?

4. ಈ ಸೂರ ಜನರ ಘೋಷಣೆ ಏನು?

Class: III/–   Max Marks: 20
Sub: Hindi(II Language)   Duration:45min.
Name————————   Roll no.—-

आवश्यक निर्देश: सभी प्रश्न अनिवार्य है ।

1 नीचे दिए गए पठित पद्यांश के प्रश्नों के उत्तर लिखिए ।   1x5=5M

अकबर को इस बात का विश्वास नहीं हुआ। उन्होंने उस व्यक्ति से कहा कि यदि तुम सारी रात पानी में खड़े रहो तो मैं तुम्हें थैलीभर मोहरें इनाम में दूँगा। अगली रात वह व्यक्ति यमुना के ठंडे जल में पूरी रात खड़ा रहा। प्रातः वह बादशाह के दरबार में आया।बादशाह ने पूछा, "तुम इतनी सर्दी में सारी रात पानी में कैसे खड़े रहे?"उसने कहा, "महाराज, आपके राजमहल से दीपक का प्रकाश आ रहा था। मैं उसे देखते पानी में खड़ा रहा।"बादशाह ने कहा, "तो तुम मेरे दीपक की गरमी के कारण ही सर्दी से बच सके। तुम्हें कोई इनाम नहीं दिया जाएगा।"वह बहुत दुखी हुआ और उदास होकर चला गया। उस समय बीरबल भी दरबार में उपस्थित थे। उन्होंने सोचा इस दुखी व्यक्ति की सहायता करनी चाहिए।

क) अकबर ने इनाम में क्या देने का वादा किया ?

उत्तर=————————————————————————————————

ख) वह व्यक्ति पूरी रात कहाँ खड़ा रहा ?

उत्तर=————————————————————————————————

ग) किसने उस व्यक्ति की सहायता करनी चाही ?

उत्तर=————————————————————————————————

घ) वह व्यक्ति दुखी और उदास क्यों हो गया ?

उत्तर=————————————————————————————————

ङ) शब्दों के अर्थ लिखो ।   प्रकाश =——————————, मोहरें=———————————

2 नीचे दिए गए शब्दों में से विलोम शब्द चुनकर लिखे ।   1x3=3M

(धोखेबाज़, कायर ,रंक ,कठिन ,दोष)

क) गुण x ————— ख) सरल x —————- ग) वीर x —————

3 नीचे दिए गए शब्दों में से पर्यायवाची शब्द चुनकर लिखें 2x1=2M

(आकाश , वायु , धरती , बादल , नीरद , बयार)

क) मेघ =——————- ख) पवन =———————

4 नीचे दिए गए प्रश्नों के उत्तर लिखें- 2x5=10M

i) पिता जी ने आम के पौधे के बारे में सौरभ और उसकी बहन को कौन-सी बात बताई ?

उत्तर=————————————————————————————

————————————————————————————

ii) आम खाकर सौरभ के मन में क्या विचार आया ?

उत्तर=————————————————————————————

————————————————————————————

iii) वह व्यक्ति पूरी रात पानी में कैसे खड़ा रहा ?

उत्तर=————————————————————————————

————————————————————————————

iv) सौरभ और उसकी बहन क्यों प्रसन्न थे ?

उत्तर=————————————————————————————

————————————————————————————

v) बीरबल किसलिए प्रसिद्ध थे ?

उत्तर=————————————————————————————

————————————————————————————

Class: IV   **Duration:45mins**
Sub: English   **Max Marks: 20**

General Instructions:

- **Read the questions properly.**
- **Write neatly and legibly.**

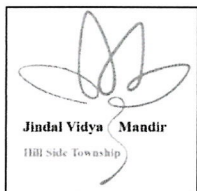**I. Complete these sentences by writing the correct form of the adjective given in brackets:**   **5X1=5M**

1. He is the _____ (wise) man that I have ever known.

2. The roads in the capital are _____(broad) than anywhere else.

3. Gold is _____ (expensive) than silver.

4. Chintu is _____(young) than Pintu.

5.This is the _____(heavy) jacket that I have ever worn.

II.Answer the following in 2-3 sentences: **5X2=10M**

1. How did the dragon wake up?

2. What is the task that the poet is doing?

3.Why do you think the poet chose the name 'Scratchaway'for this cat?

4.Where did the dragon go?

5.What happened to the valley when the dragon sneezed?

III. Answer the following in 3-4 sentences: **2X2½=5M**

1.Why does the poet say that 'Pepperpot' would be a good name for the tabby cat?

2. How do you know that people were not scared of the dragon rock?

Jindal Vidya Mandir, JSW Hill Side Township
Weekly Test-11 (2025-26)

Class: V   **Duration: 45 minutes**
Sub: GK   **Max Marks: 20**

General Instructions:
- **The question paper consists of 2 page and a total of 20 questions.**
- **All questions are compulsory.**

I. Fill in the blanks with a suitable answer.   **5 X 1 = 5**

1.   It is carved by the Colorado River in the state of _____, USA.

2.   The _____ Rock located in Australia is the world's largest monolith.

3.   _____ international airport is built on its own island after the land was reclaimed.

4.   The _____ language Khmer has the largest alphabet in the world which is 74 characters long.

5.   _____, Father of the Nation was assassinated on 30 January 1948.

II. Unscramble the letters of the following.   **5 X 1 = 5**

6.   A _____(EOTPHSECSTO) is an instrument used by a doctor to listen to your heartbeat.

7.   A _____(EMRHTOTRMEE) is an investment used to measure your body temperature.

8.   A _____ (LTEEPOCES) is an investment which helps in viewing and studying stars.

9.   A _____ (CNEPOEDSO) is an instrument to inspect inside the human body.

10.   A _____ (SIMRCOCOEP) is an instrument used to make very small objects look large through lenses for scientific examination and study.

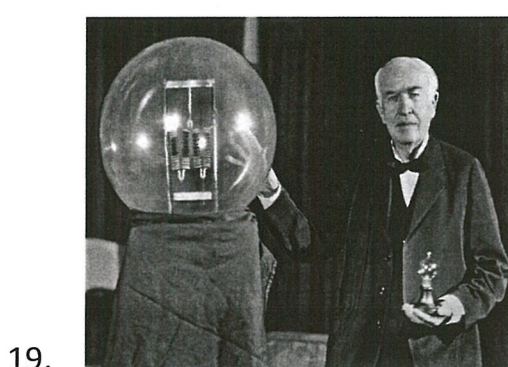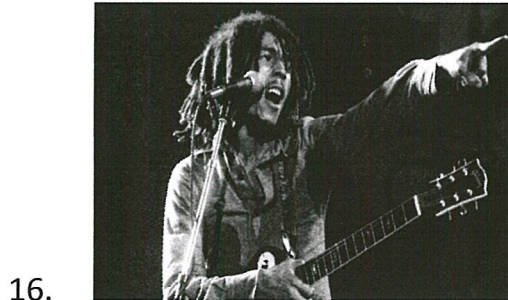**III. State whether these facts are true or false.**   **5X1 = 5**
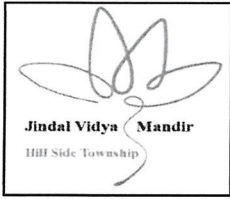
11.   Mars is also called 'Red Planet'.

12.   Edwin Aldrin was the first person to set foot on the moon.

13.   India's first unmanned mission to the moon in 2008 was Chandrayan-1.

14.   Mercury was the first planet to be discovered with the telescope.

15.   NASA's space shuttle which has made maximum trips to space is named Discovery.

IV. Identify the pictures given below and name them.   **5 X 1 = 5**

16.   17.

18.   19.

20.

Jindal Vidya Mandir, JSW Hill Side Township
Weekly Test-11 (2025-26)

Class: VI **Duration: 45 min**
Sub: Mathematics **Max Marks: 20M**

- **General Instructions:**
- **This paper consists of 2 pages.**
- **All questions are compulsory.**

I. **Fill in the blanks.**   **6X1M=6M**
   1. A number that is greater than all its adjacent cells is called a _____.
   2. The digit sum of the number 5683 is _____.
   3. A number that reads the same forwards and backwards is called a _____.
   4. In a pictograph, each picture or symbol represents a certain number of _____.
   5. In a bar graph, all bars must be of _____ width and equally spaced.
   6. The number 6174 is known as the _____ constant.

II. **Do as directed.**   **4x2M=8M**
   7. Fill a table such that the cell having the second largest number is not a supercell.
   8. What is the sum of the largest and smallest 5-digit palindrome? What is their difference?
   9. Starting with 0, players alternate adding numbers between 1 and 3. The first person to reach 22 wins. What is the winning strategy now?
   10. Write one 5-digit number and two 3-digit numbers such that their sum is 19,870.

III.   Do as directed.   **2X3M=6M**
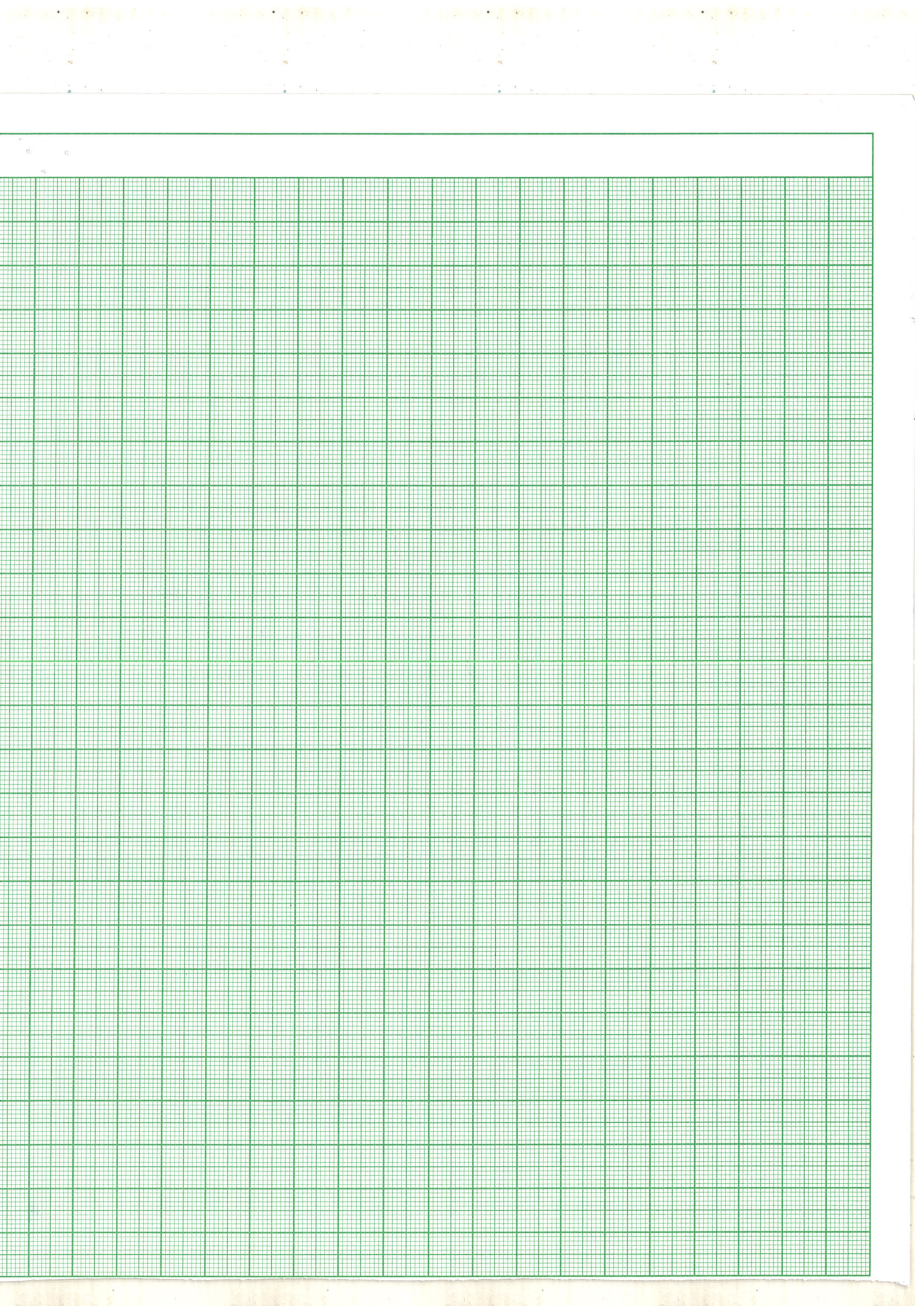
11. Rakesh is playing with a dice. He threw the dice 40 times and noted the outcomes as follows:
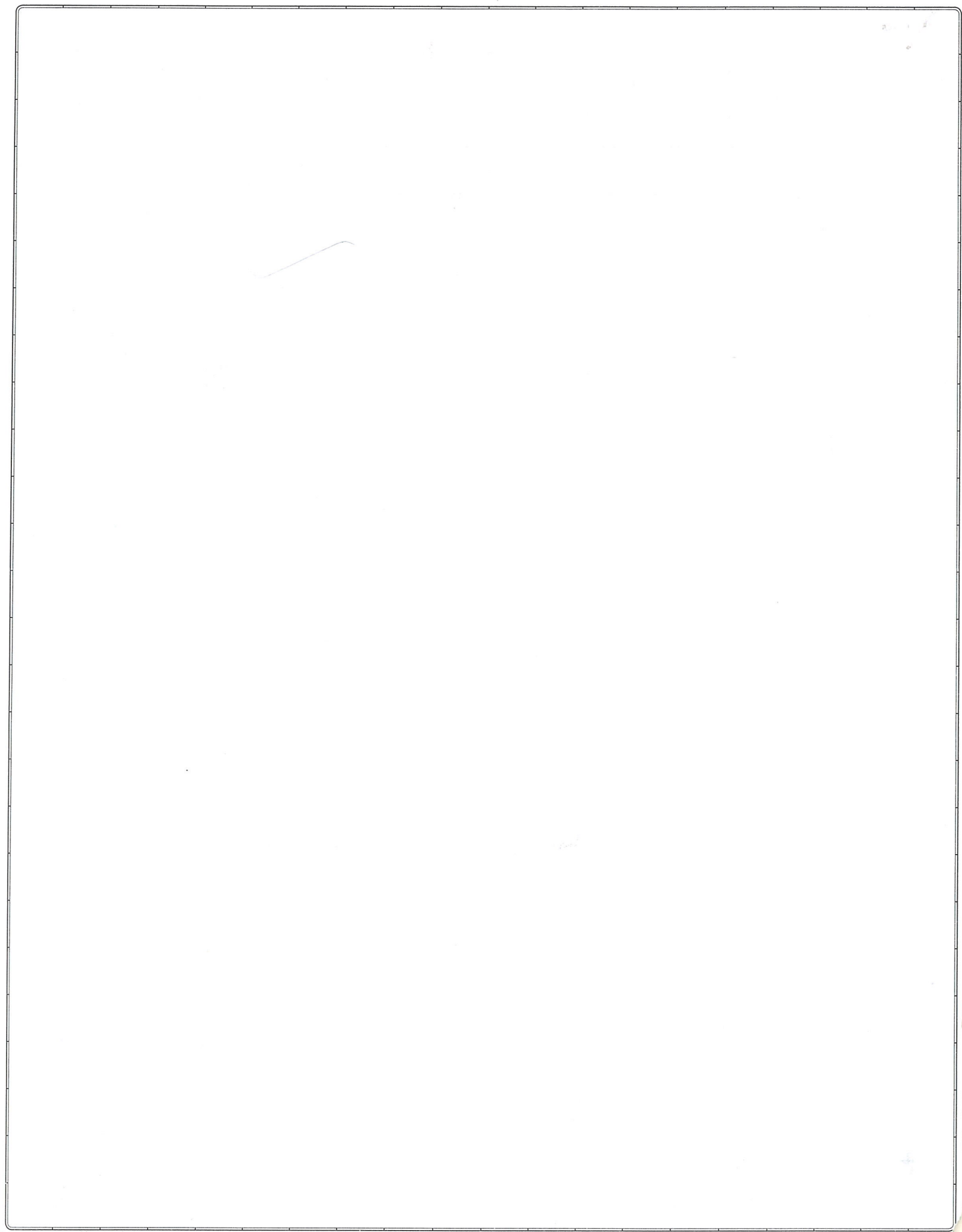
1,2,1,5,3,5,5,3,2,2,1,6,6,6,4,6,3,5,2,3,3,4,2,1,5,5,2,4,5,5,2,4,1,6,6,1,5,6,1,5

Prepare a table using tally marks.

12. Marks scored by Ramya in 5 subjects out of 50 marks. Represent the given data in a bar graph.

Subject	English	Hindi	Math	Science	Social Science
Marks	45	35	20	40	25

Class: VII   **Duration: 45 min.**
Sub: Hindi (II Lang)   **Max Marks: 20**

सामान्य निर्देश:-

- सभी प्रश्नों के उत्तर देना अनिवार्य है-
- प्रश्नों में दिए गए शब्द सीमा का विशेष ध्यान दें-

प्रश्न I. निम्नलिखित बहुविकल्पीय प्रश्नों के उत्तर छाँटकर लिखिए -   5×1= 5

1. निम्नलिखित में द्विगु समास का उपयुक्त उदाहरण छाँटकर लिखिए:
   (क) घी-शक्कर   (ख) नवनिधि   (ग) पतझड़   (घ) मृगलोचन

2. 'लोकप्रिय' समस्तपद का विग्रह होगा-
   (क) लोक पर प्रिय   (ख) लोक में प्रिय   (ग) लोक से प्रिय   (घ) लोक है जो प्रिय

3. 'सामाजिक' शब्द में किस प्रत्यय का प्रयोग हुआ है ?
   (क) विक   (ख) साम   (ग) इक   (घ) जिक

4. 'परिवर्तन' शब्द में किस उपसर्ग का प्रयोग हुआ है-
   (क) परा   (ख) पर   (ग) परी   (घ) परि

5. 'आजीवन शब्द में मूलशब्द क्या होगा-
   (क) आज   (ख) जीवन   (ग) वन   (घ) जीव

प्रश्न II. निम्नलिखित प्रश्नों के उत्तर 30 से 35 शब्दों में लिखिए --   5×2= 10

1. पेड़ और खंभे में दोस्ती कैसे हुई ?

2. 'शाम - एक किसान' कविता में कितनी एकरूपताओं को दर्शाया गया है ?

3. नाटक में आपको सबसे बुद्धिमान पात्र कौन लगा और क्यों ?

4. 'अचानक – बोला मोर। जैसे किसी ने आवाज़ दी –'सुनते हो'।चिलम औंधी, धुआँ उठा –सूरज डूबा, अंधेरा छा गया।' पंक्तियों के भाव को स्पष्ट कीजिए।

5. क्या वजह थी कि सभी पात्र मिलकर भी लड़की को उसके घर नहीं पहुँचा पा रहे थे ?

प्रश्न III. वार्षिक परीक्षा में अच्छे अंक प्राप्त करने की शुभ सूचना देते हुए माताजी को पत्र लिखिए।   1×5=5

****

Weekly Test - 11 (2025- 26)

Class; VII   **M.Marks:20**

Subject: Kannada (II Language)   **Duration:45 min**

_____

I. ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿರಿ.   **5X1=5**

1. ಜೀವನದಲ್ಲಿ ಸೋತವರಿಗೆ ಗೊಂಬೆಯು ಕೊಡುವ ಧೈರ್ಯವೇನು?

2. ಗೊಂಬೆಯು ಹೇಗೆ ತೂಗುತ್ತಿರುತ್ತದೆ?

3. ಗೊಂಬೆಯು ಹೇಳುವ ನೀತಿಯ ಸಾರಾಂಶವೇನು?

4.ಗೊಂಬೆಯು ನಿಶ್ಚಲವಾಗುವುದು ಯಾವಾಗ?

5. ತಾವು ಕಷ್ಟಪಟ್ಟರೂ ಲೋಕಕ್ಕೆ ಉಪಕಾರ ಮಾಡುವ ಮೂರು ಸಂಗತಿಗಳು ಯಾವುವು?

II. ಈ ಕೆಳಗಿನ ವ್ಯಾಕರಣಾಂಶದ ಪ್ರಶ್ನೆಗಳಿಗೆ ಸೂಚನೆಯಂತೆ ಉತ್ತರಿಸಿರಿ.   **1X 5=5**

1.ಇರುವೆ _ಗೂಡಿನಿಂದ_ ಬಂದಿತ್ತು, ಈ ವಾಕ್ಯದಲ್ಲಿ ಗೆರೆ ಎಳೆದಿರುವ ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯವನ್ನು ಗುರುತಿಸಿ ಹೆಸರಿಸಿ. _____

2."ಲಾಭ" ಈ ಪದದ ವಿರುದ್ಧಾರ್ಥಕ ಪದ_____

3."ಕಿಡಿಕಾರು" ಈ ನುಡಿಗಟ್ಟನ್ನು ಉಪಯೋಗಿಸಿ ಸ್ವಂತ ವಾಕ್ಯದಲ್ಲಿ ಬರೆ._____

4" ಉಮಾ ಪಾಠವನ್ನು ಓದಿದಳು" ಈ ವಾಕ್ಯದಲ್ಲಿ ಇರುವ ಕತ್ಯಪದವನ್ನು ಗುರುತಿಸಿ ಬರೆಯಿರಿ ._____

5. ನಮ್ಮ ಭಾವನೆಗಳನ್ನು ವಿಚಾರಗಳನ್ನು ಅನುಭವಗಳನ್ನು ಬೇಕು ಬೇಡಗಳನ್ನು ಲಿಖಿತ ರೂಪದಲ್ಲಿ ಮತ್ತೊಬ್ಬರಿಗೆ ತಿಳಿಸುವ ಮಾಧ್ಯಮವೇ ————————— ಲೇಖನ.

III. ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಎರಡು ಮೂರು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.   **2X 2=4**

1.ತವರು ಮನೆಗೆ ಹೋಗಲು ಗುರುತುಗಳೇನು?

2.ಹಿಲ್ಮನ್ ಹೆಡ್ ಮೊದಲು ಹೇಗಿತ್ತು ?

IV. ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗೆ ಐದಾರು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.   **1X 3=3**
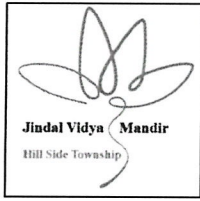
1. ಭಾಗ್ಯದ ಬಳೆಗಾರ ಪದ್ಯದ ಆಶಯವನ್ನು ನಿಮ್ಮ ಮಾತುಗಳಲ್ಲಿ ಬರೆಯಿರಿ.

V. ಪತ್ರಲೇಖನ:-   **1X 3=3**

   ಎರಡು ದಿನಗಳ ಕಾಲ ರಜೆ ನೀಡುವಂತೆ ಕೋರಿ ನಿಮ್ಮ ತರಗತಿ ಅಧ್ಯಾಪಕರಿಗೆ ಒಂದು ಮನವಿ ಪತ್ರ ಬರೆಯಿರಿ.

****

Jindal Vidya Mandir, JSW Hill Side Township
Weekly Test- 11 (2025-26)

Class: VIII   **Duration: 45 minutes**
Sub : English   **Max Marks: 20**

General Instructions:

- **All questions are compulsory.**

A. Answer the following questions: (any 3) (3×3=9M)

1. Why did Bepin Babu change his mind about meeting Chunilal? What was the result of this meeting?
2. Bepin Babu lost consciousness at Hundroo Falls. What do you think was the reason for this?
3. Why do you think Chunilal did what he did? Chunilal says he has no money; what is it that he does have?
4. How do you think Bepin Babu reacted when he found out that Chunilal had tricked him?

B. Write any one (5)

1. You are the Head Boy / Head Girl of Aditya Sky High School. Your school is organizing an Inter-House Debate Competition. Write a notice informing students about the event. Give necessary details such as date, time, venue, and whom to contact for participation. Write the notice in about 60 words.

Or

2. Your school recently organized a Tree Plantation Drive as part of an environmental awareness campaign. Write a report on the event to be published in your school magazine. Mention the date, activities, participants, and the importance of the event. Word limit: 100–120 words.

C. I. Add a suitable premodifier to expand each noun phrase: (3)

1. My brother studies in a reputed school.
2. I am reading the latest novel by J.K. Rowling.
3. We went to see the magnificent Rashtrapati Bhavan on Republic Day.

II. Underline the postmodifier in each sentence: (3)

1. Boys sitting in that corner helped me fill the form.
2. Do you like the food with its tangy taste?
3. Lenny loves eating vegetables with a lot of cheese.

Class: IX　　　　　　　　　　　　　　**Duration: 45 minutes.**

Subject: Science　　　　　　　　　　**Max. Marks: 20**

General Instructions:
➢ **This question paper consists of 1 page.**
➢ **All questions are compulsory.**

I. Choose the correct answer from the following.　　　　　　　**5X1=5M**

1. ___ is the Latin name and symbol of copper

A. Cuprum, Cu　　　　B. Cerium, Ce.　　C. Copernicium, Co.　　D. Cerium, Cu

2. The inertia of an object tends to cause an object:

A. to increase its speed　　　　　　　　B. to decrease its speed

C. to resist a change in its state of motion　　D. to decelerate due to friction

3. If hydrogen and oxygen combine in the ratio of 1:8 by mass, what mass of oxygen would be required to completely react with 10 gm of hydrogen?

A. 100 gm.　　　　　B. 80 gm.　　　　C. 10 gm.　　　　D. 180 gm

4. A fielder pulls his hands backwards after catching the cricket ball. This enables the fielder to:

A. Exert larger force on the ball　　　　　B. Reduce the force exerted by the ball

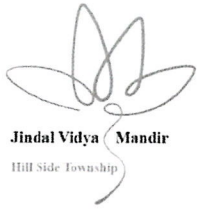C. Increase the rate of change of momentum　　D. Keep the ball in hands firmly

5. Which of the following statements best explains why a person is pushed backward when firing a gun?

A. The bullet pulls the person backward.

B. There is unbalanced force acting on the bullet only.

C. The force exerted by the bullet on the person is greater than the force applied by the person.

D. The gun exerts a backward force on the person equal and opposite to the force applied on the bullet.

II. Answer the following questions.

1. Why meristematic cells have a prominent nucleus and dense cytoplasm but they lack vacuole?   1M

2. We get a crunchy and granular feeling, when we chew pear fruit. Answer with a suitable reason.   1M

3. What are the different types of molecules based on atomicity? Give examples.   2M

4. a) State law of conservation of mass.   1M

   b)5.2 g of substance A reacts with 2.7 g of substance B to produce 7.9 g of substance AB. How would you justify the result in agreement with law of conservation of mass?   2M

5. Water hyacinth floats on water surface. Explain.   2M

6. Differentiate between cardiac muscle and cartilage.   2M

7. Explain universal law of gravitation in detail.   2M

8. a). Steel sinks in water but a steel boat floats. Why?   1M

   b). Explain why, school bags are provided with wide straps to carry them   1M

Jindal Vidya Mandir, JSW Hill Side Township
Weekly Test - 11 (2025 - 26)

Class: X   **Duration: 45 min**

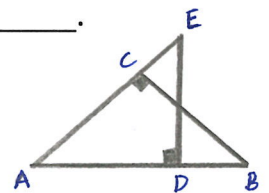**Subject: Mathematics**   **Max. Marks: 20 marks**

General Instructions:

- This question paper consists of 2 pages with IV main questions.
- All questions are compulsory.

I   <u>**Choose the correct answer:**</u>   **1 X 5 = 5**

1. If the sum of the first n terms of an AP is $S_n = 2n^2 + 5n$, then the common difference is:_____.

     (a) 3   (b) 4   (c) 5   (d) 7

2. The coordinates of the point which divides the line segment joining the points (4,−3) and (9,7) in the ratio 3:2 internally are: _____.

     (a) (7,3)   (b) (3,7)   (c) (−7,−3)   (d) (−3,−7)

3. A line intersects the y-axis and x-axis at P and Q, respectively. If (2,−5) is the mid-point of PQ, then the coordinates of P and Q are respectively:_____.

     (a) (0,4) and (5,0)   (b) (0,−10) and (4,0)

     (c) (0,10) and (−4,0)   (d) (0,−10) and (−4,0)

4. In the given figure, ΔBAC is similar to _____.

     (a) ΔAED (b) ΔEAD (c) ΔACB (d) ΔBCA

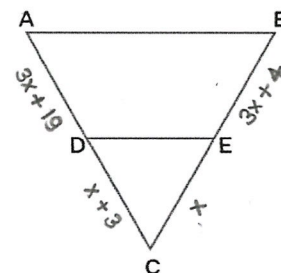5. **Assertion (A):** The sequence −1,−1−1,...,−1 is an AP.

     Reason(R): In an AP, $a_n - a_{n-1}$ is constant where $n \geq 2$ and $n \in N$.

a) Both Assertion and Reason are correct and Reason is the correct explanation for Assertion.

b) Both Assertion and Reason are correct and Reason is not the correct explanation for Assertion.

c) Assertion is true but the reason is false.

d) Both assertion and reason are false.

II Do as Direct   2 X 3 = 6

5. In an AP if a = 1, a_n = 20 and S_n = 399, find n.

6. In the adjoining fig. DE||AB. Find the value of x.

7. In what ratio does the point (− 4, 6) divide the line segment joining the points A(− 6, 10) and B(3, − 8)?

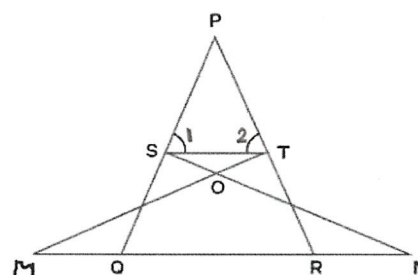## III Answer the following   3 X 2 = 6

8. In Fig. 6.9, if ∠1 = ∠2 and △NSQ ≅ △MTR,

   then prove that △PTS ~ △PRQ.

9. Name the type of quadrilateral formed (if any) by the points (4, 5), (7, 6), (4, 3), (1, 2) and give reasons for your answer.

IV CASE STUDY: 3 X 1 = 3

To promote cleanliness and greenery, the students of a school are given a task to plant saplings in the garden. They decide to arrange the saplings in a particular pattern to form a flower bed. The number of saplings in the first row is 5, in the second row is 7, in the third row is 9, and so on.

Based on the above information, answer the following questions.

(a) How many saplings are there in the 10th row?   (1mark)

(b) If there are 20 rows in total, what is the total number of saplings? (1mark)

(c) If the total number of saplings is 275, find the number of rows.   (1mark)

****