



# MARCHI INTERNATIONAL SCHOOL

Affiliated to CBSE, New Delhi Upto 10+2 Level (Aff.No.-330878)

MIS Road, Braham Asthan, Marchi, Patna City, Patna - 09

## Notice

### Few Words for Parents

- Classes will remain closed from 26/05/2025 to 14/06/2025 for Summer Vacation.**  
ग्रीष्मकालीन अवकाश हेतु विद्यालय में 26/05/2025 से 14/06/2025 तक अध्ययन कार्य बंद रहेगा।
- The assignment given during the Summer Vacation might be completed by each and every student.**  
अवकाश हेतु दिए गये गृह-कार्य को पूरा कराएँ।
- During Summer Vacation office will be opened. (08 Am to 12 Noon)**  
ग्रीष्मावकाश अवधि में कार्यालय खुला रहेगा। (08 Am to 12 Noon)
- Pre Mid Term Examination will be start from 01 July 2025.**  
Pre Mid Term का परीक्षा 01 जुलाई 2025 से प्रारंभ होगा।
- Classes will reopen on 16/06/2025 on its Previous schedule.**  
अध्ययन कार्य पुनः 16/06/2025 को अपने पूर्व समयानुसार चलेगा।
- Holiday homework is also available on school website.**  
(www.mispatna.com) - Student Corner - Holiday Homework

**Note :-** The Assignment Note Book which is given during the Summer Vacation will be deposit on 12/06/2025 in the office. Otherwise you will have to deposit a fine of Rs. 20/- per student with Note Book after 16/06/2025 you will have to deposit a fine of Rs. 50/- per student with Note Book.

**नोट :-** आप बच्चों के गृह कार्य को 12/06/2025 को स्कूल कार्यालय में जमा कराएँ, यदि समयावधि तक ग्रीष्मावकाश गृह कार्य नहीं जमा करेंगे तो प्रति विद्यार्थी कॉपी के साथ 20 रुपये दण्ड के रूप में जमा करना होगा, 16/06/2025 के बाद प्रति विद्यार्थी कॉपी के साथ 50 रुपये दण्ड के रूप में जमा करना होगा।

अंततः अभिभावकों से निवेदन है कि वे विद्यालय एवं बच्चों के विकास में अपने भरपूर सहयोग एवं स्नेह का परिचय दें, क्योंकि ये बच्चे देश के भविष्य हैं। इस भावना का परिचय देते हुए उनकी प्रतिभा तथा व्यक्तित्व को निखारने का प्रयास करें।

शुभकामनाओं के साथ  
प्राचार्य

## Assignment For Summer Vacation - 2025

### CLASS : NINE

Instruction: Each questions have 2 marks and 1 mark on your handwriting.

#### HINDI

- गिल्लू के बारे में आप क्या जानते हैं ?
- लेखिका का ध्यान आकर्षित करने हेतु गिल्लू क्या करता था ?
- गिल्लू के प्राण कैसे बचे ?
- बुढ़िया को कोई उधार क्यों नहीं देता था ?
- मनुष्य के जीवन में पोशाक का क्या महत्व है ?
- नजदीक से एवरेस्ट को देखकर लेखिका को कैसा लगा ?
- लेखिका को ध्वज जैसा क्या लगा ?
- शब्द और पद क्या है ?
- तत्सम् और तद्भव को परिभाषित करें। दो-दो उदाहरण दें।
- वर्ण-विच्छेद करें - आशुतोष, राजर्षि
- संज्ञा के भेदों के नाम लिखें। दो-दो उदाहरण भी लिखें।
- 'एवरेस्ट : मेरी शिखर यात्रा' हमें क्या संदेश देती है ?

#### ENGLISH

- What kind of teachers did Margie and Tommy have ?
- Why did Margie's mother send for the county inspector ?
- How does Tommy describe the old kind of school ?
- Where does the traveller find himself ? What problem does he face ?
- What was the poet's opinion about both roads ?
- What are the things the child sees on his way to the fair ?
- Why does the lost child lose interest in the things that he had wanted earlier ?
- How does Toto come to grand father's private zoo ?
- Change into indirect speech -  
(a) He said to his friend, "When did you help him" ?  
(b) He said to me, " He will teach you"

10. Fill in the blanks with correct form of verb-  
 (a) Each of the girls \_\_\_\_ her own dress. (has/have)  
 (b) Five miles \_\_\_\_ long distance. (Is/are)
11. Draft a notice in about 50 words, informing students about the competition of short story writing on "Man and nature". Urging them to submit their names by 5th June 2025.
12. Write a letter to the chairman of the water supply board regarding the sufficiency of water supply.

### **MATHEMATICS**

1. Rationalise the denominator - (a)  $\frac{1}{2\sqrt{3}}$  (b)  $\frac{\sqrt{3}+1}{\sqrt{3}-1}$
2. If  $\frac{\sqrt{3}+1}{\sqrt{3}-1} = a + b\sqrt{3}$  then find a+b.
3. If  $x = 2 + \sqrt{3}$  then find the value of  $x^2 + \frac{1}{x^2}$  &  $x^4 + \frac{1}{x^4}$
4. If  $x = 2 + \sqrt{3}$  then find  $x^3 + \frac{1}{x^3}$
5. Show that (a)  $(x^{a-b})^{a+b} \times (x^{b-c})^{b+c} \times (x^{c-a})^{c+a} = 1$
6. Simplify the product  $3\sqrt{2} \cdot 4\sqrt{2} \cdot 12\sqrt{32}$
7. Show that  $(x - \sqrt{2})$  is a factor of polynomial  $p(x) = 7x^2 - 4\sqrt{2}x - 6$
8. Factorise : (a)  $x^2 + 1/x^2 - 2 - 3x + 3/x$
9. If  $x = \frac{5-\sqrt{3}}{5+\sqrt{3}}$  and  $y = \frac{5+\sqrt{3}}{5-\sqrt{3}}$  show that  $x \cdot y = \frac{10\sqrt{3}}{11}$
10. Rationalize the denominator :  $\frac{1}{\sqrt{3}-\sqrt{2}-1}$
11. If  $x = \frac{1}{2 - \sqrt{3}}$ , find the value of  $x^3 - 2x^2 - 7x + 5$
12. Factorise :  $x^4 + \frac{1}{x^4} + 1$

### **SCIENCE**

1. Give reason for the following observations-  
 (a) Naphthalene balls disappear with time without leaving any solid.  
 (b) We can get the smell of perfume sitting several metres away.
2. Why is ice at 273K more effective in cooling than water at the same temperature?
3. What produces more severe burns: boiling water or steam?
4. Give two reasons to justify

- (a) Water at room temperature is a liquid.
- (b) An iron almirah is a solid at 500m temperature.
5. Distinguish between speed and velocity.
6. Distinguish between scalar and vector quantity.
7. A motorboat starting from rest on a lake accelerates in a straight line at a constant rate of  $3.0 \text{ m/s}^2$  for 8.0 sec. How far does the boat travel during this time?
8. A racing car has a uniform acceleration of  $4 \text{ m/s}^2$ . What distance will it cover in 10 sec after start?
9. Describe the structure of plant cell and animal cell as seen under electron microscope.
10. What are Prokaryotic and Eukaryotic cells?
11. What is cell division? Distinguish between mitosis and meiosis.

### **SOCIAL SCIENCE**

1. Why had the exploitation of slave labour done?
2. What actions proved Napoleon as moderniser of Europe?
3. What did women in France do to discuss and voice their interests?
4. Name the countries which share borders with India.
5. Mention the types of states in India present before 1947.
6. Name the states through which the Tropic of Cancer passes.
7. How did Pervez Musharraf declare himself the chief executive of the country?
8. What do you mean by "Legal Framework order"?
9. Which members are allowed to contest the election in China?
10. When does population become human capital?
11. Why do educated parents invest heavily in the education of their children?
12. What are Economic and Non-economic activities?

### **COMPUTER**

1. Explain 3P's of speaking.
2. What are the elements of communication cycle with help diagram?
3. What are the factors of individual barriers?
4. How does the environment affect communication?
5. What are the checklist that help to improve the professional communication skill?
6. What are the points on which effectiveness of written communication depends?
7. What are the criteria on which paragraph usually judges?
8. What is BPO?
9. Define ICT?
10. What are the structures of IT-BPM industry?
11. Explain LMS?
12. How does IT help a business organisation?