



# **INTELLECT CADET COLLEGE TALAGANG ENTRY TEST**

**For Class 9th**

## **English**

*Student Name:* \_\_\_\_\_

*Date:* \_\_\_\_\_

**A. Mark the correct answer. Any overwriting or double attempt will be considered incorrect. (05)**

**1. Identify the part of speech of the underlined word:**

The poor should be treated with kindness.

- A. Adjective                      B. Noun                      C. Pronoun                      D. Adverb

**2. Choose the correct form of the verb:**

Hardly had the bell rung when the students \_\_\_\_\_ into the classroom.

- A. rush                      B. rushed                      C. had rushed                      D. were rushing

**3. Fill in the blank with the correct tense:**

By the end of this year, she \_\_\_\_\_ in this school for five years.

- A. will study                      B. will be studying                      C. will have studied                      D. has studied

**4. Choose the correct sentence:**

- A. Each of the players have been rewarded.                      B. Each of the players are rewarded.  
C. Each of the players has been rewarded.                      D. Each of the players were rewarded.

**5. Choose the correct option:**

No sooner did he see the police \_\_\_\_\_ he ran away.

- A. when                      B. than                      C. then                      D. that

**B. Read the passage and answer the questions given at the end. (20)**

Time is one of the most valuable resources available to human beings, yet it is often wasted. Unlike money, time cannot be saved, borrowed, or recovered once lost. A person who understands the importance of time plans activities carefully and avoids unnecessary delays. Such individuals achieve success because they use every moment wisely and remain focused on their goals.

History shows that great leaders and successful nations valued time and disciplined effort. Students who manage their time properly balance study, rest, and recreation effectively. Poor time management, on the other hand, leads to stress, failure, and regret. Therefore, learning the art of time management is essential for personal growth and long-term success.

**Attempt any FIVE of the following.**

*(Each question carries 3 marks.)*

1. Why is time considered more valuable than money?
2. What qualities does a person who values time possess?
3. How does proper time management help students?
4. What lessons does history teach us about time?
5. What are the effects of poor time management?
6. Why is time described as an unrecoverable resource?
7. How does wise use of time lead to success?

**Attempt any ONE of the following.**

*(Each question carries 5 marks.)*

1. Discuss the importance of time management in a student's life.
2. Explain how valuing time contributes to personal and national success.

# MATHEMATICS IX

## **Q.No.1: Encircle the correct one.**

- i. The smallest whole number is:  
a) 0                                      b) -1                                      c) 2                                      d) 3
- ii. What is the value of 100 divided by 0?  
a) 0                                      b) 100                                      c) 1                                      d)  $\infty$
- iii. Find the odd one out.  
a) Null set                                      b) empty set                                      c) void set                                      d) infinite set
- iv. A polynomial contains \_\_\_\_\_ number of terms:  
a) One                                      b) two                                      c) three                                      d) any number
- v. Evaluate  $(4x + y)^2$  by suitable identity:  
a)  $4x^2 + y^2 + 8x$     b)  $4x^2 + y^2 + 8xy$     c)  $16x^2 + y^2 + 8xy$     d)  $16x^2 - y^2 + 8xy$

## **SECTION-B**

### **Q.No.2: Solve any five questions.**

- i. Raza earn Rs. 5,400 per month. He uses  $\frac{1}{2}$  on family expenses and  $\frac{1}{3}$  of the rest for charity.  
How much money does he give to charity?
- ii. Simplify:  $-2x^2(x + 2) - (3x - 5)(4x - 2)$
- iii. Expand the following:  $(2s + 4t)^2 - (3s - 5t)^2$
- iv. Find surface area of sphere having radius 2.1m.
- v. Altitude of equilateral triangle is 6cm. find the length of each side?
- vi. Find Cube of the following  $5x + 3y$
- vii. Find square root by division method: 4227136

## **SECTION-C**

### **Q.No.3: Solve any one**

- i. If  $A = \{m, n, o, p, q\}$   $B = \{r, s, t, u\}$  and  $C = \{t, u, v, w\}$  prove that  
 $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
- ii. Solve the following equations by substitution method  
 $2x + 3y = 10$  ;  $x - 3y = 5$

# Intellect Cadet College Talagang

## Test Paper for Entrance Exams: Grade IX

Subject: General Science

Maximum Marks: 25

### SECTION: A (Multiple choice questions) (Marks = 05)

**Q.1: Encircle the correct option.**

**(05 Marks)**

1. Genes are responsible for:
  - a) Variation
  - b) biological trait
  - c) Chromosome
  - d) DNA
2. The organism that are killed by other for food are called.
  - a) Pathogen
  - b) Predator
  - c) Parasite
  - d) Prey
3. With height, pressure of air:
  - a) Increases
  - b) Decreases
  - c) Remains same
  - d) Depends upon the nature of liquid
4. Which of the following quantities is measured in units of Newton?
  - a) Friction
  - b) Buoyancy
  - c) Pressure
  - d) Force
5. Which of the following group contains alkaline earth metals?
  - a) II-A
  - b) VII-A
  - c) I-A
  - d) VIII-A

### SECTION: B (Short answer questions) (Marks= 15)

**Note:** Attempt any five question from this section. Each question carry three marks.

**Q.2:** Draw food web diagram.

**Q.3:** Write the structure of a chromosome.

**Q.4:** Name three types of neurons and give their functions.

**Q.5:** Write the symbols/ chemical formulae of the following elements/ compounds.

Oxygen gas, Platinum, Ammonium carbonate

**Q.6:** Write a balanced chemical equation of the reaction in which carbon dioxide reacts with water to form glucose and oxygen.

**Q.7:** Calculate the force that is acting upon an area of  $20\text{m}^2$  and causing the pressure of  $40\text{ N/m}^2$  upon that surface.

**Q.8:** If there are many forces acting on an object, how can the net force be ZERO?

**SECTION: C (Detailed answer questions) (Marks= 05)**

**Note:** Attempt any one question from this section. Each question carry five marks.

**Q.9:** Discuss the process of meiosis along with diagrams required.

**Q.10:** What is an electromagnet? How is it formed? Discuss any one use of electromagnet.

## اردو انٹری ٹیسٹ برائے جماعت نہم

کل نمبر 25

نمبر 5

سوال نمبر 1: درست جواب کا انتخاب کریں:

صفتِ ضمیری	صفتِ نسبتی	صفتِ عددی	صفتِ ذاتی	(i) وہ اسم صفت جو کسی چیز کی تعداد کو ظاہر کرے، کہلاتا ہے؟
ضرب المثل	کہاوت	مجاورہ	روزمرہ	(ii) باغ باغ ہونا "گرامر کی رو سے کیا ہے؟
غصہ	جوانی	طاقت	مستی	(iii) کہانی میں ہاتھی کی صفت بیان ہوئی ہے۔
مجھ	اس	تم	آپ	(iv) اس چمن کے پھولوں پر رنگ و آب ----- سے ہے۔
والدین کا	باپ کا	ماں کا	ہمسائے کا	(v) دنیا میں انسان کس کا احسان نہیں اتار سکتا؟

نمبر 5

سوال نمبر 2: مندرجہ ذیل سوالات کے جوابات مع امثال تحریر کریں۔

1- صفتِ نسبتی سے کیا مراد ہے، مثال دیں

2- فتح مکہ کے موقع پر آپ نے دشمنوں کے ساتھ کیسا سلوک کیا؟

نمبر 5

سوال نمبر 3: درج ذیل موضوع پر مضمون لکھیں۔

خدمتِ خلق

نمبر 5

سوال نمبر 4: پرنسپل کے نام حصول سرٹیفیکیٹ کی درخواست تحریر کریں۔

نمبر 5

سوال نمبر 5: درج ذیل اشعار کی تشریح کریں

مفکر ہو تو اس کی فکر کے عنوان کو دیکھو

حرا کی خاموشی میں، آمد قرآن کو دیکھو

اگر مظلوم ہو تو، اہل طائف پر عطا دیکھو

جیوں پر زخم کھا کر بھی، لبوں پر وہ عاد دیکھو