



Cadet College Wana

South Waziristan

Entrance Test for Class 8th **20 Nov 2021** **Paper English**

Total Marks: 100

Time: 1hr

Note: Attempt all the Questions.

Q.1:- Write an Essay of about 150 words on any ONE of the followings:- (20)

- Health is Wealth
- Qualities of a good student

Q.2:- Write a letter to your father, asking him to send you some money for books and other necessary things. (10)

Q.3:- Use the following pairs of words into meaningful sentences. (10)

Road, Rode Sand, Send Advice, Advise Pore, Pour Weak, Week

Q.4:- Re- arrange the following into meaningful sentences. (10)

- of, is, he, fond, tea
- us, best, the, hope, let, for
- best, is, honesty, the, policy
- begins, at, charity, home
- angry, was, with, he, me

Q.5:- Read the following paragraph carefully and answer the questions given at the end. (10)

Mostly people destroy public property because they want to express their anger and frustration. When people are angry about something they organize a protest, they burn and destroy public buildings, buses and trains. This causes many problems for people. As they cannot reach their offices or schools in time, many valuable working hours are lost. This causes great loss to the country.

Questions

- Why do people destroy public property?
- When do the people organize a protest?
- What problem is caused by this protest?
- Who cannot reach their offices?
- How a protest can be a loss to the country?

Q.6. Do as Directed

- He showed generosity even to his enemies. The underlined word is _____ (verb, noun, adjective) (20)
- I disliked the idea of making omelette. (change into negative)
- He speaks ill of others habitually. The underlined word is _____ (none, verb, adverb)
- The patient is confined _____ bed forever. (to, with)
- Though I tried hard, I _____ solve the puzzle. (didn't, couldn't)
- There is no solution _____ this problem. (for, to)
- Our team _____ winning. (is, are)
- He is junior _____ me. (to, from)
- I always go to work _____ train. (by, on)
- She learnt her lesson. (change into interrogative)

Q.7:- Translate the following into English.

2- میں آپ کا بہت شکر گزار ہوں۔

4- آنکھ او جھل پہاڑ او جھل۔

6- ڈوبتے کو تنکے کا سہارا۔

8- سورج مشرق سے طلوع ہوتا ہے۔

10- اس نے خط نہیں لکھا۔

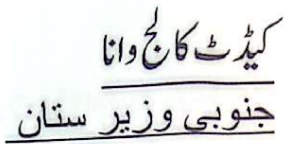
1- ہم تین بجے سے تیر رہے تھے۔

3- کیا وہ کھانا کھا رہے ہیں؟

5- اپنی ٹوپی اتار دو۔

7- انہوں نے ہماری مدد نہ کی۔

9- وہ بیچ جیت نہیں چکے ہیں۔



۲۰ نومبر ۲۰۲۱

پرچہ اُردو

وقت ایک گھنٹہ

سوال نمبر ۱۔ مندرجہ ذیل سوالات دی ہوئی ہدایات کے مطابق حل کریں۔

الف۔ مذکر کے مونث اور مونث کے مذکر لکھیں۔

خانم، بھیڑ، سقا، بھانج، چوہا

ب۔ مندرجہ ذیل الفاظ میں سے واحد کی جمع اور جمع کے واحد لکھیں۔

عمل، لفظ، اشجار، وُكُلّا، مسجد

ج۔ مندرجہ ذیل الفاظ کے مترادف لکھیں۔

حقیقی، جدید، اندھیرا، خشک، زبانی

د۔ مندرجہ ذیل الفاظ کے مترادف لکھیں۔

چرندہ، آس، عظمت، رفعت، شکوہ

سوال نمبر ۲۔ مندرجہ ذیل محاورات کو جملوں میں استعمال کریں۔

آج کل کرنا، آگ لگانا، ناک میں دم کر دینا، آگ بگولا ہونا، چار چاند لگ جانا

سوال نمبر ۳۔ الف۔ کلمہ کی تعریف کریں۔ کلمہ کی اقسام وضاحت سے بیان کریں۔

اسم صفت کی تعریف اور دو دو مثالیں دیں۔

سوال نمبر ۴۔ والد کے نام خط لکھیں اور اُس کو کیڈٹ کالج وانا کے انٹری ٹسٹ کیلئے اپنی تیاری سے آگاہ کیجئے۔

سوال نمبر ۵۔ مندرجہ ذیل خاکے کی مدد سے کہانی مکمل کیجیے۔

جانا۔۔۔۔۔ نندی کا عبور کرنا۔۔۔۔۔ گدھے کاندی میں گرنا۔۔۔۔۔ بوجھ کا ہلکا ہو جانا۔۔۔۔۔ دوسری بار نمک کا بوجھ لے جانا۔۔۔۔۔

گدھے کاندی میں جان بوجھ کر گرنا۔۔۔۔۔ اگلی مرتبہ روٹی لادنا۔۔۔۔۔ گدھے کاندی میں گرنا۔۔۔۔۔ بوجھ بہت بھاری بن جانا۔۔۔۔۔

سوال نمبر ۶۔ مندرجہ ذیل میں سے کسی عنوان پر کم از کم بیس سطروں کا مضمون لکھیں۔

الف۔ ایک میچ کا آنکھوں دیکھا حال۔ ب۔ حب الوطنی

سوال نمبر ۷۔ الف۔ سورہ "الناس" کا با محاورہ ترجمہ لکھیں۔

ب۔ حقوق العباد یرنوت لکھیں۔

غیر مسلموں کیلئے

الف۔ جنگلات کے دس فائدے بیان کریں۔

ب۔ پاکستان کا محل وقوع بیان کریں۔



Cadet College Wana

South Waziristan

Entrance Test for Class 8th

20 Nov 2021

Paper Mathematics

Name= _____

Roll No= _____

Total Marks: 20

Time: 15min

Section -A

Note: Attempt question 1 on the same questions paper.

Q.1:- Fill in the blanks.

(20)

- The additive inverse of -10 is _____.
- The square of an odd number is _____.
- The ratio b/w the circumference of a circle and its diameter is called _____.
- If $A=\{3,6\}$ then all the possible subsets of $A=$ _____.
- In the proportion $2:5 = 4:x$ the value of $x=$ _____.
- A set comprising all the possible subsets of any set is called _____.
- Volume of a cylinder = _____.
- Intersection of a set and its complement is the _____ set.
- The rate of ushr for canal irrigated land is _____.
- If the sum of two angles is 180° , then they are _____ to each other.

Total Marks: 80

Time: 45 min

Section - B

Note: Attempt any eight questions from the following. Each question carries 10 marks.

- If $U=\{1,2,3,\dots,20\}$, $A=\{2,4,6,8,10\}$ and $B=\{1,3,5,7,9,11,13,17,19\}$, Find (i) $(A \cap B)'$ (ii) $A' \cap B'$
- Verify $\frac{4}{5} + (\frac{3}{7} + \frac{2}{9}) = (\frac{4}{5} + \frac{3}{7}) + \frac{2}{9}$
- A sewing machine was purchased for Rs 6000 and sold for Rs 7000. Find profit or loss percent.
- Subtract the sum of $4x+6-2x^2$ and $3x^2 - x^3 - 3$ from the sum of $x^3 + x^2 - 2x$ and $-2x^3 + 3x - 7$.
- Arrange the following rational numbers in descending order. $1\frac{1}{3}, \frac{3}{5}, -5\frac{7}{6}, 4\frac{2}{5}$.
- Simplify $x(x^2+y^2-1) + y(y^2-x^2+1) - (x-y)(x^2+y^2)$.
- Construct an equilateral triangle whose altitude is 5 cm.
- Factorize the following:
(i) $y^2 - 6y + 9$ (ii) $16 - 24x + 9x^2$
- Solve the following equation.
 $\frac{3y+1}{2y+1} = \frac{3}{4}$
- Age of mother is 3 – times the age of her daughter. After 4 – years, the sum of their ages will be 60 – years. Find their present ages.



Entrance Test for Class 8th

20 Nov 2021

Paper General Science

Marks=20

Section-A

Time=15 Min

Note: Attempt question 1 on the same question paper and return to the invigilator in the given time.

Q.1:- Encircle the correct options.

- a. The production of energy from glucose and other food molecule is called;
(1) Respiration (2) Digestion (3) Inspiration (4) Absorption
- b. Which one of the followings is the female sex organ?
(1) Stamen (2) Carpel (3) Petal (4) Sepal
- c. Synthesis of carbohydrate takes place in:
(1) Root (2) Leaves (3) Stem (4) Fruit
- d. Pollination is necessary for:
(1) Sexual reproduction (2) Asexual reproduction
(3) Gametogenesis (4) All is these
- e. Which of the followings is the example of Primary consumers?
(1) Goat (2) Sparrow (3) Dog (4) Loin
- f. The number of electrons and protons in calcium is "20". Its atomic number will be:
(1) 10 (2) 15 (3) 20 (4) 25
- g. Hydrocarbons are the compounds of carbon and _____?
(1) Halogens (2) Hydrogen (3) Nitrogen (4) Oxygen
- h. The coastal breeze is produced by:
(1) Convection (2) Radiation (3) Conduction (4) Rain
- i. Distillation is a technique of:
(1) Separation (2) Preparation (3) Filtration (4) None of these
- j. The Centre or core of an atom is called _____.
(1) Nucleus (2) Orbital (3) Proton (4) Neutron



Cadet College Wana

South Waziristan

Entrance Test for Class 8th

20 Nov 2021

Paper General Science

Total Marks: 80

Time: 45 min

Section-B (Marks=35)

Q.2 Write brief answers to following questions. Each short question queries five marks.

- a. How desert habitate is different from forest habitate? (05)
- b. Why an atom is neutral particle? (05)
- c. Why a sound cannot be heard on the moon? (05)
- d. Differentiate between physical and chemical changes with examples? (05)
- e. What is acid rain? What are its harmful effects? (05)
- f. Explain food chain with examples. (05)
- g. Differentiate between self pollination and cross pollination. (05)

Section-C (Marks=45)

Q.3 Write answers to the following questions in detail. Each question queries fifteen marks.

- a. Define water pollution. Describe various sources of water pollution in detail. (15)
- b. Define isotope? Discuss the isotopes of hydrogen with diagrams. (15)
- c. Define reproduction? How asexual reproduction takes place in plants? (15)



Cadet College Wana

South Waziristan

Entrance Test for Class 8th

12 Nov 2022

Paper English

Total Marks: 100

Time: 1hr

Note: Attempt all the Questions.

- Q.1:- Write an Essay of about 150 words on any ONE of the followings:- (20)
- If I Pass the Entry Test of Cadet College Wana
 - The Evils of Mobile Phone
- Q.2:- Write a letter to your brother advising him to take steps to improve his health. (10)
- Q.3:- Use the following pairs of words into meaningful sentences. (10)
- All together, Altogether, Canvas, Canvass, Decent, Descent, Gamble, Gambol, Wave, Waive
- Q.4:- Re- arrange the following into meaningful sentences. (10)
- The please not do on grass step
 - Was performance impressed with quite his I
 - Nature animal by is a social man
 - Born was he a silver with his in spoon mouth
 - People scores of the in died accident

- Q.5:- Read the following paragraph carefully and answer the questions given at the end. (10)

About sixty years ago the question of choosing a profession was not taken up seriously. A son gradually followed the trade of his father. But now a day's one can take up a trade one likes. The students who make right choice of profession are always successful. For the right choice of a profession there should be some definite aim. The students who do not have any definite aim and suffer a lot in the end as they have also a difficulty in finding as employment. In choosing a profession the teacher and the parents play a very important role the teacher keeps an eye on his pupils. He studies their habits. So he can put his pupils on the right path of life.

Questions

- What were the conditions about the choice of a profession sixty years ago?
 - Why did the people not choose the profession seriously?
 - What is the advantage of right choice of a profession?
 - How can a student choose his profession rightly?
 - Can a student of the present times choose his profession freely?
- Q.6. Do as Directed (20)
- She is the girl whom I met in Lahore. The underlined word is _____ (Adjective, Pronoun, Verb)
 - He drew his car very fast. (Change into interrogative).
 - He was not aware _____ my difficulties. Use proper proposition (from, of, with)
 - She _____ to school an hour ago. Use proper form of verb (go, went, gone)
 - The book was not available then. The underlined word is _____ (verb, adverb, adjective)
 - You have not bought _____ apples. Fill in the blank with correct adjective (some, any nothing)
 - Will the deer have been shot at? Change into negative.
 - The boys are throwing stones at the dogs.(change into past indefinite tense)
 - The plural of " Goose" is _____ (Gooses, Goose, Geese)
 - _____ Cat is a loving animal. Use proper article (a, an, the)

- Q.7:- Translate the following into English. (20)

- | | |
|---|-----------------------------------|
| 2- موسلا دھار بارش ہو رہی ہے۔ | 1- ہم اپنا کام ختم کر چکے ہیں۔ |
| 4- تندرستی بڑا نعمت ہے۔ | 3- وہ کیوں پیدل چل رہے تھے؟ |
| 6- آج کا کام کل پر مت چھوڑو۔ | 5- وہ کتابیں دلچسپ تھیں۔ |
| 8- خدا ان کی مدد کرتا ہے جو اپنی مدد آپ کرتے ہیں۔ | 7- اچھے دوست دھوکہ نہیں دیتے ہیں۔ |
| 10- کیا تم اپنے دوست کو پہچان لو گے؟ | 9- تمہیں سزا کیوں دی جا چکی ہے؟ |



انٹری ٹیسٹ برائے جماعت ہشتم

۱۲ نومبر ۲۰۲۲

پرچہ اُردو

کل نمبر 100

وقت ایک گھنٹہ

نوٹ:- تمام سوالات حل کریں۔ وقت مقررہ کے اندر یہ پرچہ ممتحن کے حوالے کریں۔

سوال نمبر ۱۔ مندرجہ ذیل سوالات دی ہوئی ہدایات کے مطابق حل کریں۔

05

الف۔ مذکر کے مونث اور مونث کے مذکر لکھیں

چوکیدار، بلی، کنیز، ممانی، نندوئی

05

ب۔ مندرجہ ذیل الفاظ میں سے واحد کی جمع اور جمع کے واحد لکھیں۔

ہمت، حواج، عنادل، تاجر، خزینہ

05

ج۔ مندرجہ ذیل الفاظ کے متضاد لکھیں۔

اجلا، دیر، ہوس، عدم، راہبر

05

د۔ مندرجہ ذیل الفاظ کے مترادف لکھیں۔

حُب، ظلمت، مدح، زاہد، دکھ

10

سوال نمبر ۲۔ مندرجہ ذیل محاورات کو جملوں میں استعمال کریں۔

ذم دبا کر بھاگنا، آگ بگولا ہونا، اوسان خطا ہونا، اپنا اُلوسیدھا کرنا، شیر و شکر ہونا

ب۔ کلمہ

10

سوال نمبر ۳۔ الف۔ اسم ضمیر کی تعریف کریں اور اس کی تین حالتیں لکھیں۔

10

کی تعریف کریں اور اس کی اقسام مثالوں کے ذریعے بیان کریں۔

10

سوال نمبر ۴۔ اپنے چھوٹے بھائی کو خط لکھیں جس میں اُسے غیر حاضری اور فضول خرچی سے بچنے کی تلقین کی گئی ہو۔

ایک لڑکے کا دریا

10

سوال نمبر ۵۔ مندرجہ ذیل خاکے کی مدد سے کہانی مکمل کیجیے۔

کے کنارے ریوڑ چرانے جانا۔۔۔ ریل کے پل کو آگ لگ جانا۔۔۔ لڑکے کا سوچ میں ڈوب جانا۔۔۔ دوسری طرف سے گاڑی کا آ جانا۔۔۔

لڑکے کا گاڑی کی طرف دوڑنا۔۔۔ گاڑی سے ٹکرا کر جان دے دینا۔۔۔ گاڑی رُک جانا۔۔۔ سب لوگوں کا لڑکے کی بہادری کی تعریف کرنا۔۔۔ نتیجہ۔۔۔

10

سوال نمبر ۶۔ مندرجہ ذیل میں سے کسی عنوان پر کم از کم بیس سطروں کا مضمون لکھیں۔

الف۔ تندرستی ہزار نعمت ہے ب۔ طالب علم کے فرائض

ب۔ اسلام میں اخوت

سوال نمبر ۷۔ الف۔ سورہ "النصر" کا محاورہ ترجمہ لکھیں۔

یا

10

اور بھائی چارے کی اہمیت بیان کریں۔

غیر مسلموں کیلئے

10

الف۔ جنگلات کی کٹائی کے نقصانات پر نوٹ لکھیں۔

10

ب۔ پاکستان کی جغرافیائی اہمیت پر نوٹ لکھیں۔



Cadet College Wana

South Waziristan

Entrance Test for Class 8th

12 Nov 2022

Paper Mathematics

Total Marks: 20

Time: 15min

Section -A

Note: Write down the answers of Q1 on the answer sheet.

Q.1:- Fill in the blanks.

(20)

- If A and B are disjoint sets then $A \cap B =$ _____.
- 0 has _____ reciprocal.
- $2^3 \times 3^2 =$ _____.
- The square root of 121 is _____.
- In $x+5$, 5 is called _____.
- x^2+2x+3 is a _____ in one variable.
- The solution set of $\frac{x}{5} = 2$ is _____.
- The value of x of a linear equation $3x - 10 = 2$ is _____.
- The additive inverse of $\frac{-1}{2}$ is _____.
- The square of a proper fraction is _____ then itself.

Total Marks: 80

Time: 45 min

Section - B

Note: Attempt any eight questions from the following. Each question carries 10 marks.

- If $U = \{1, 2, 3, \dots, 10\}$, $A = \{1, 3, 5, 7, 9\}$ and $B = \{2, 4, 6, 8, 10\}$, Find (i) $(A \cup B)'$ (ii) $A' \cap B'$
- Verify $\frac{1}{5} \times (\frac{2}{3} + \frac{5}{6}) = \frac{1}{5} \times \frac{2}{3} + \frac{1}{5} \times \frac{5}{6}$
- Simplify $\frac{2^2 \times (-3)^5 \times 4^3 \times 5^2}{8 \times 9 \times 6^2 \times (-5)^4}$
- A missile hit a 3000 km distance target in 45 minutes. Find the speed of the missile in km/h.
- The markup on a principal amount is Rs. 820 for 6 months at the rate of 12.5% per annum. Calculate the principal amount.
- Simplify $x(x^2+y^2-1) + y(y^2-x^2+1) - (x-y)(x^2+y^2)$.
- Factorize the following:
(i) $4x^2 + 12xy + 9y^2$ (ii) $y^2 - 6y + 9$
- Age of a mother is 3 times the age of her daughter, after 4 years the sum of their ages will be 60 years. Find their present ages.
- The height and radius of a cylinder are 3 cm and 1.5 cm respectively. Find the surface area of the cylinder.



Cadet College Wana

South Waziristan

Entrance Test for Class 8th

12 Nov 2022

Paper General Science

Name= _____

Roll No= _____

Marks=20

Section-A

Time=15 Min

Note: Attempt question 1 on the same question paper and return to the invigilator in the given time.

Q.1:- Encircle the correct options.

a. The alternate name for trachea is

- (1) Wind pipe (2) Oesophagus (3) Larynx (4) Lungs

b. The structure which separates chest cavity from the abdominal cavity is called the:

- (1) Cartilage (2) Ribs (3) Diaphragm (4) All of them

c. Transport of water from roots in plants takes place through:

- (1) Phloem (2) Xylem (3) Epidermis (4) Stomata

d. Synthesis of carbohydrates takes place in:

- (1) Roots (2) Stem (3) Fruit (4) Leaves

e. Which one of the following is the female sex organ?

- (1) Stamen (2) Carpel (3) Petal (4) Sepal

f. In winter most cold blooded animals disappear because they:

- (1) Die (2) Hibernate (3) Migrate (4) Eaten away

g. Harmful bacteria are removed from water by passing:

- (1) Oxygen gas (2) Nitrogen gas (3) Chlorine gas (4) Carbon dioxide gas

h. An element has seven electrons in its valence shell. Its valency is:

- (1) 7 (2) 0 (3) 1 (4) 8

i. The heat in a metal rod flows by the process of:

- (1) Radiation (2) Conduction (3) Convection (4) Magnetization

j. After rain, when sunlight falls on tiny rain drops suspended in the air, rainbow is produced due to:

- (1) Reflection of light (2) Refraction of light
(3) Dispersion of light (4) Diffraction of light



Cadet College Wana

South Waziristan

Entrance Test for Class 8th

12 Nov 2022

Paper General Science

Total Marks: 80

Time: 45 min

Section-B (Marks=35)

Q.2 Write brief answers to following questions. Each short question queries five marks.

- a. What is the function of villi? How does their shape help in performing this function? (05)
- b. Water is an excellent solvent, How this beneficial property is harmful for us? (05)
- c. Why cation carries positive charge? (05)
- d. Suggest why convection cannot happen in solids? (05)
- e. Explain the phenomenon of "mirage"? (05)
- f. Explain food chain with examples? (05)
- g. Differentiate between atomic number and mass number with examples? (05)

Section-C (Marks=45)

Q.3 Write answers to the following questions in detail. Each question queries fifteen marks.

- a. Define pollination. What are different agents of pollination? (15)
- b. Define isotopes. Discuss the isotopes of hydrogen? (15)
- c. Explain refraction of light, its effects and laws of refraction? (15)

Cadet College Wana

South Waziristan Tribal District
Entrance Test for Class 8th
21 Oct 2023
Paper English

Total Marks: 100

Time: 1hr

Note: Attempt all the Questions.

Q.1:- Write an Essay of about 150 words on any ONE of the followings:- (20)

- Importance of Morning Walk
- Why I love Pakistan?

Q.2:- Write a letter to your friend inviting him to the marriage of your elder brother. (10)

Q.3:- Use the following pairs of words into meaningful sentences. (10)
Brake, Break, Profit, Prophet, Sole, Soul, Role, Roll, Rein, Rain

Q.4:- Re- arrange the following into meaningful sentences. (10)

- Played, Cricket, he, not, had.
- Do, Romans, The, do, as.
- Is, Cleanliness, our, faith, of, half
- Your, and, parents, teachers, obey.
- Precious, your, time, waste, not, do.

Q.5:- Read the following paragraph carefully and answer the questions given at the end. (10)

A man is known by the company he keeps. A good student should avoid the company of those who keep playing all the time. Many students miss their classes and seldom do their homework because some other fellow students do the same. There are hardworking students also who work while others play. They know when to study and when to play. They play when it is time to play. They enjoy the games of their choice because they know that playing games is essential for health. A sick student is not so quick in learning his lesson as a healthy one.

Questions

- What kind of company should a good student keep?
- Why do some students miss their classes?
- Why do good students enjoy good health?
- Why are games necessary for students?
- Where does the success of a student lie?

Q.6. Do as Directed (20)

- Everyone was present in the class. The underline word is (Adjective, Noun, Pronoun)
- She is senior _____ me. (than, to, from)
- Are they making plans about future? (Change into present perfect tense)
- What a lovely scene! (This sentence is statement, Interrogative, exclamatory)
- Write the 2nd & 3rd degree of Bad _____, _____.
- Write the opposite of light _____.
- He was guilty _____ stealing. (Use Preposition).
- You are very clever boy. The underline word is (Adjective, Verb, Adverb)
- He has been writing _____ the last three hours. (Since, for)
- They enjoy there party. (Correct it)

Q.7:- Translate the following into English. (20)

- | | |
|-----------------------------------|---------------------------------------|
| 1 - ہمارے پاس ایک قیمتی گھڑی ہے۔ | 2 - اچھے دوست دھوکا نہیں دیتے۔ |
| 3 - بوند اباندی ہو رہی ہے۔ | 4 - وہ مجھے ملنے آ رہا ہے۔ |
| 5 - میں یہ تصویر بیچ چکا ہوں۔ | 6 - انہوں نے اپنا کام مکمل کر لیا ہے۔ |
| 7 - مریض دودن سے دوائی پی رہا ہے۔ | 8 - میں امتحان میں پاس ہو گیا ہوں۔ |
| 9 - یہ سوال بہت پیچیدہ ہے | 10 - میرا بھائی بہت ایماندار ہے |

کیڈٹ کالج وانا
جنوبی وزیرستان
انٹری ٹیسٹ برائے جماعت ہشتم

21 اکتوبر 2023

پرچہ اُردو

کل نمبر 100

وقت ایک گھنٹہ

نوٹ:- تمام سوالات حل کریں۔ وقت مقررہ کے اندر یہ پرچہ ممتحن کے حوالے کریں۔

سوال نمبر 1۔ مندرجہ ذیل سوالات دی ہوئی ہدایات کے مطابق حل کریں۔

05

الف۔ مذکر کے مونث اور مونث کے مذکر لکھیں

مینڈھا، بھاج، حاجی، جولانی، چوہا

05

ب۔ مندرجہ ذیل الفاظ میں سے واحد کی جمع اور جمع کے واحد لکھیں۔

طفل، شفاق، دستور، حفاظ، فتویٰ

05

د۔ مندرجہ ذیل الفاظ کے متضاد لکھیں۔

اجنبی، تلخ، حریف، فخی، گل

05

د۔ مندرجہ ذیل الفاظ کے مترادف لکھیں۔

آس، غم، رہبری، جبر، ناموس

10

سوال نمبر 2۔ مندرجہ ذیل محاورات کو جملوں میں استعمال کریں۔

انگشت بدنداں، بال کی کھال اُتارنا، ساز باز کرنا، لالچ، جنگل میں متزلزل ہونا،

10

سوال نمبر 3۔ الف۔ مصدر کی تعریف بیان کریں نیز اصلی مصدر اور جعلی مصدر میں فرق واضح کریں۔

ب۔ مرکب کی تعریف کریں نیز مرکب ناقص کی کوئی سے پانچ اقسام بمعہ امثلہ تحریر کریں۔

10

10

سوال نمبر 4۔ اپنے والد صاحب کو خط لکھیں اور اُسے اپنی تعلیمی سرگرمیوں کے حوالے سے تفصیلی آگاہی فراہم کریں۔

10

سوال نمبر 5۔ مندرجہ ذیل خاکے کی مدد سے کہانی مکمل کیجیے۔

عبدالقادر جیلانی۔۔۔ بغداد سے روانہ ہوئے۔۔۔ ماں کی نصیحت۔۔۔ قافلے پر ڈاکوؤں کا حملہ۔۔۔ سامان کی تلاشی۔۔۔ ڈاکوؤں کے سردار کا پوچھنا۔۔۔

10

چالیس دیناروں کا ذکر۔۔۔ سردار کا خیر ان ہونا۔۔۔ نتیجہ۔۔۔

سوال نمبر 6۔ مندرجہ ذیل میں سے کسی عنوان پر کم از کم تیس سطروں کا مضمون لکھیں۔

الف۔ پاکستان اور فوجی تربیت ب۔ خوش اخلاقی

10

سوال نمبر 7۔ الف۔ سورہ "القریش" کا با محاورہ ترجمہ لکھیں۔

10

یا

ب۔ اسلام میں ہمسائیوں کے حقوق پر بحث کریں۔

غیر مسلموں کیلئے

10

سوال نمبر 8۔ الف۔ آلودگی سے کیا مراد ہے نیز آلودگی کی اقسام بیان کریں۔

10

ب۔ درآمدات اور برآمدات میں کیا فرق ہے نیز پاکستان کی سب سے بڑی برآمدات کون سی ہیں؟

Cadet College Wana

South Waziristan Tribal District

Entrance Test for Class 8th

21 Oct 2023

Paper Mathematics

Total Marks: 100

Time: 1 Hrs

Section - A

Note: Write down the answers of Q1 on the answer sheet provided to you.

Q.1:- Fill in the blanks.

(20)

- The product of a Rational Number and its reciprocal is _____.
- _____ is the reciprocal of itself.
- What is the value of $\frac{2^2 \times 2^3}{2^{-2} \times 2^{-3}} = ?$
- A proper fraction is always less than _____.
- π is the ratio between _____.
- $1 \times (100)^0 =$ _____.
- $(-2x^3)(4x^2) =$ _____.
- 28 is the square root of _____.
- The rate of Ushr for barani land is _____ percent.
- The triangle having one angle greater than 90° is called _____ triangle.

Section - B

Note: Attempt any eight questions from the following. Each question carries 10 marks.

- If $U = \{1, 2, 3, \dots, 10\}$, $A = \{1, 3, 5, 7, 9\}$ and $B = \{2, 4, 6, 8, 10\}$,
Find (i) $(A \cup B)'$ (ii) $A' \cap B'$
- Verify $\frac{1}{5} \times (\frac{2}{3} + \frac{5}{6}) = \frac{1}{5} \times \frac{2}{3} + \frac{1}{5} \times \frac{5}{6}$
- Write 0.8888_____ as a fraction in simplified form.
- The area of a square shape room is $144m^2$. Find the perimeter of the room. Also find the cost of chips flooring of the room at the rate of Rs. 25/ m^2 .
- (i) Factorize $45a^2 - 60a + 20$
(ii) Solve $\frac{4}{5}x + \frac{1}{4} = x + \frac{2}{5}$.
- A painter can paint $250m^2$ wall in 8 hours. How much time will be required to Paint $3000m^2$.
- If "4" is subtracted from twice a number, the result is 10. Find the number.
- Two supplementary angles measure $(3x+5)$ and $(9x-5)$. What is the value of "x".
- Arrange the following rational numbers in ascending and descending order.
 $1\frac{1}{3}, \frac{3}{5}, 5\frac{7}{6}, 4\frac{2}{5}$
- Find the solution of $0.8x + 0.25 = -0.1x + 0.7$ also find the verification.

Cadet College Wana

South Waziristan Tribal District
Entrance Test for Class 8th

21 Oct 2023

Paper General Science

Marks=100

Section-A

Time=1 Hrs

Note: Attempt question1 on the Answer Sheet provided to you.

Q.1:- Fill in the blanks.

(20)

- The Device that is used to protect a circuit against overload is called _____.
- _____ mirror is used in solar cooker.
- The distance in space is measured in _____.
- Coastal breeze is produced by _____.
- The basic unit of structure and function of nervous system is _____.
- In an ecosystem the energy flows is always _____.
- The exchange of gases between blood and air takes place at _____.
- Respiratory system related diseases mostly spread through _____.
- The smallest particle of an element is _____.
- The melting point of ice is _____.

Q.2 Write brief answers to following questions.

- Water is an excellent solvent. How this beneficial property is harmful for us? (05)
- Which chamber of heart has thickest walls and why? (05)
- There is no rain fall for two years in an ecosystem.What will happen to consumers? (05)
- Which substances are transported by blood? (05)
- An atom has atomic number of 8 and a mass number of 16, determine number of protons, Electrons and neutrons present in it. (05)
- What is the difference between saturated and unsaturated solution? (05)
- Suggest why convection cannot happen in solids? (05)

Section-C (Marks=45)

Q.3 Write answers to the following questions in detail.

- Define fertilizers? Discuss their role in agriculture and harmful effects due to improper use of fertilizers. (15)
- Differentiate between photosynthesis and respiration in detail? (15)
- Why is it important to conserve water in Pakistan? Suggest few ways for water conservation. (15)

Cadet College Wana

South Waziristan Tribal District

Entrance Test for Class 8th – 9 Nov 2024

Total time: 1 hour

Paper English

Total Marks: 100

Note: Attempt all the Questions.

Q.1:- Write an Essay of about 150 words on any ONE of the followings. (20)

- Role of youth in nation building.
- My dream career.

Q.2:- Write a letter to your friend inviting him to to witness your debate competition. (10)

Q.3:- Use the following pairs of words into meaningful sentences. (10)
Cite, Site, Advice, Advise, Brake, Break, Die, Dye, Eligible, Illegible.

Q.4:- Re- arranges the following into meaningful sentences. (10)

- bazar she to has gone
- success hard work the key is to
- raining it since has midnight been
- lights are the in those sky what
- always truth he the speak

Q.5:- Read the following paragraph carefully and answer the questions given at the end. (10)

Corruption is a significant obstacle to development affecting both public and private sectors. It leads to misallocation of resources, making it difficult for essential services like education and health care to function effectively. Corruption also discourages foreign investors who may view corrupt environment as risky and unstable. The poor suffers the most, as corruption often results in increased costs of public services. To reduce corruption, strong laws, independent oversight and active public participation are essential.

Questions

- What sectors are affected by corruption?
- Why could foreign investor avoid countries with high level of corruption?
- Who suffers the most due to corruption and why?
- How does corruption impact essential services like education and health care?
- What measures are suggested to combat corruption?

(20)

Q.6. Do as Directed

- They are working in the field. (The underlined words are object, complement)
- He ran to the ground. (Change into negative).
- It has been raining _____ morning. (Use since or for)
- You are good _____ English. (Use proper preposition)
- You are a fine artist. (The underlined word is adjective, adverb, object)
- Aslam and Amjid _____ class fellows. (use linking verb)
- He did his work. (Change into interrogative)
- That is the gentleman _____ I spoke about the job. (to who, to whom, whom)
- He gave me an apple. (The underlined word is direct object, indirect object)
- She died _____ Malaria. (use preposition)

(20)

Q.7:- Translate the following into English.

- 2- موسلا دھار بارش ہو رہی ہے۔
- 4- مالی دو گھنٹوں سے پودوں کو پانی لگا رہا ہے۔
- 6- برف باری ہو رہی ہے۔
- 8- میں کھیتوں میں کام کرتا ہوں۔
- 10- کیا یہ تمہارا بھائی ہے؟

- 1- تم یہاں کیا کر رہے ہو۔
- 3- تم کیوں شور کر رہے تھے؟

- 5- اس وقت وہ سو رہا ہو گا۔
- 7- دو اور دو چار ہوتے ہیں۔
- 9- ڈاکٹر کے آنے سے پہلے مریض مر چکا تھا۔

کیڈٹ ایس جی وانا
جنوبی وزیرستان
انٹری ٹیسٹ برائے جماعت ہشتم

09 نومبر 2024

پرچہ اُردو

کل نمبر 100۔ وقت ایک گھنٹہ

نوٹ:- تمام سوالات حل کریں۔ وقت مقررہ کے اندر یہ پرچہ ممتحن کے حوالے کریں۔

سوال نمبر 1۔ مندرجہ ذیل سوالات دی ہوئی ہدایات کے مطابق حل کریں۔

الف۔ مذکر کے مونث اور مونث کے مذکر لکھیں؟

05

دادا، دولہا، دیورانی، دھوبلی، بلی

ب۔ مندرجہ ذیل الفاظ میں سے واحد کی جمع اور جمع کے واحد لکھیں؟

05

بدن، اکر، بروج، اوائل، اجانب

د۔ مندرجہ ذیل الفاظ کے متضاد لکھیں؟

05

آمیر، عزت، آنا، تاریکی، معلوم

د۔ مندرجہ ذیل الفاظ کے مترادف لکھیں؟

05

خام، عمدہ، عمیق، آسائش، ناموس

سوال نمبر 2۔ مندرجہ ذیل محاورات کو جملوں میں استعمال کریں؟

10

جان میں جان آنا، ناک میں دم کرنا، شیر و شکر ہونا، بارغ باغ ہونا، آگ بگولا ہونا،

سوال نمبر 3۔ الف۔ بناوٹ کے لحاظ سے اسم کی کتنی قسمیں ہیں۔ مثالیں دے کر وضاحت کریں؟

10

ب۔ فعل معروف اور فعل مجہول کی تعریف کریں۔ دو، دو مثالیں دے کر وضاحت کریں؟

10

سوال نمبر 4۔ بڑے بھائی کی شادی میں شرکت کرنے کے لیے دوست کے نام خط لکھیں؟

10

سوال نمبر 5۔ مندرجہ ذیل خاکے کی مدد سے کہانی مکمل کیجیے؟

10

کچھوے اور بچھو میں گہری دوستی۔۔۔ کچھو اور پاپار۔۔۔ پانی میں۔۔۔ میری پیٹھ پر۔۔۔ کچھوے نے دریا میں تیرنا۔۔۔ پیٹھ پر کھٹ کھٹ کی آواز۔۔۔ بھائی

اپنی عادت۔۔۔ بچھو کی بات پر غصہ۔۔۔ غوطہ لگایا۔۔۔ عادت سے مجبور۔۔۔ غوطے لگا تا ہوں۔۔۔ ڈوب گیا۔۔۔ نتیجہ۔

سوال نمبر 6۔ مندرجہ ذیل میں سے کسی عنوان پر کم از کم تیس سطروں کا مضمون لکھیں؟

10

الف۔ والدین کے حقوق ب۔ ہمارا نظام تعلیم

سوال نمبر 7۔ الف۔ سورہ "انناس" کا باجمادہ ترجمہ لکھیں؟

10

ب۔ اسلام میں بزرگوں کے احترام پر نوٹ لکھیں۔؟

10

غیر مسلموں کیلئے

سوال نمبر 8۔ الف۔ جنگلات کی اہمیت پر نوٹ لکھیں؟

10

ب۔ معدنی وسائل سے کیا مراد ہے؟ نیز پاکستان میں معدنی وسائل پر نوٹ لکھیں؟

10

Cadet College Wana

South Waziristan Tribal District

Entrance Test for Class 8th

09 Nov 2024

Paper Mathematics

Time: 1 Hour

Total Marks: 100

Section - A

Note: Write down the answers of Q1 on the answer sheet provided to you. (20)

Q.1:- Fill in the blanks.

- If $A \cap B = \emptyset$ then set A and set B are called _____ sets.
- The additive inverse of $2\frac{1}{2}$ is _____.
- L.C.M of 5, 15, 2 and 10 is _____.
- The ratio between the circumference of a circle and its radius is a _____ type of decimal.
- $\left(\frac{\text{Area of a circle}}{\text{Area of a square}}\right) = \frac{\pi}{4}$ when circle of radius r are inscribed in a square.
- $(-50)^2$ has base _____ and expand is _____.
- Volume of sphere = _____.
- The square of an even number is _____ number.
- If increase in one quantity results in decrease of second quantity, then such proportional is called _____ proportional.
- According to Islamic teaching Nisab is equal to _____ tola of gold or _____ tola of silver.

Section - B

Note: Attempt any eight questions from the following. Each question carries 10 marks.

- If $A = \{0, 1, 2\}$, $B = \{2, 3, 4, 5\}$ and $C = \{1, 3, 5, 6\}$, Then verify $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
- Simplify, $\frac{2^2 \times 3^5 \times 4^3 \times 5^2}{8 \times 9 \times 6^2 \times 5^4}$
- Solve the following expression.
 $(y^2 - 5) + (9 + 5y^3) - y(2y^2 - 7y + 4)$
- Sale price of a sewing machine is Rs. 4248, (including 16.5% GST). What will be its price without GST?
- Simplify the following.
a) $25a^2 - 49b^2$
b) $(3a + 4b)^2 - (2a - 5b)^2$
- Factorize the following.
a) $x^3y + 6x^2y - 27xy$
b) $-2a^4 + 10a^3 - 8a^2$
- Solve the following equation.
 $5(3x + 2) - 2 = -2(1 - 7x)$
- A father is 4 times older than his son, in 20 years he will be twice as old as his son, What ages they have now?
- Construct ΔXYZ if $m\angle X = 4.3\text{cm}$, $m\angle X = 75^\circ$ and $m\angle Y = 45^\circ$. Also write the steps of construction.
- Arrange $\frac{3}{5}$, $\frac{2}{15}$, $-3\frac{1}{2}$, $-2\frac{7}{10}$, 7 in Ascending order.



Total time: 1 hour

Cadet College Wana
South Waziristan Tribal District
Entrance Test for Class 8th – 9 Nov 2024
Paper General Science

Total Marks: 100

Section-A(Marks=20)

Q.1 Chose the correct options.

- i) The blood vessels that carry blood away from the heart to other parts of a body is called
 (A) Valves (B) arteries (C) lever (D) none of these
- ii) The transfer of heat by actual moment of molecules from hot place to cold place
 (A) Conduction (B) convection (C) radiation (D) none of these
- iii) The protective layer around plant part is
 (A) Epidermis (B) cortex (C) mesophyll (D) none of these
- iv) Sound waves cannot pass through
 (A) Solids (B) liquids (C) gases (D) vacuum
- v) Which one of the following is/ are included in vascular bundle
 (A) Xylem (B) phloem (C) epidermis (D) both a and b
- vi) The unit of force is
 (A) Kilogram (B) second (C) meter (D) Newton
- vii) Carbon has the mass number of 12. It has proton and neutrons
 (A) 6,6 (B) 6,12 (C) 12,12 (D) 12,6
- viii) Many food chains unite to make
 (A) Chains (B) food web (C) food cycle (D) germination
- ix) Protons carry
 (A) Positive charge (B) negative charge (C) zero charge (D) no charge
- x) The percentage of water on earth surface is about
 (A) 70% (B) 80% (C) 90% (D) 95%

Section-B (Marks=35)

Q.2 Write short answers to following questions.

- a. An atom is neutral, why? (05)
- b. Define isotopes with examples? (05)
- c. What is diarrhea? What is the cause of diarrhea, how babies are effected from diarrhea?(05)
- d. Which substances are transported by blood in our body? (05)
- e. How is photosynthesis important for plants, human and other animals? (05)
- f. How burning of wood is chemical process? (05)
- g. Differentiate between atomic number and mass number with examples? (05)

Section-C (Marks=45)

Q.3 Write answers to the following questions in detail.

- a. Differentiate between aerobic and anaerobic respiration? (15)
- b. Explain the formation of unsaturated, saturated and supersaturated solution? (15)
- c. What is the pitch of sound? Also explain the factors on which pitch of sound depends? (15)



Entrance Test for Class 8th
25 Oct 2025
Paper English

Total Marks: 100

Time: 1hr

Note: Attempt all the Questions.

Q.1:- Write an Essay of about 150 words on any ONE of the followings: (20)

- Importance of reading
- The role of sports in student's life

Q.2:- Write a letter to your cousin, telling him about the most exciting trip or event you recently attended in your school. (10)

Q.3:- Use the following pairs of words into meaningful sentences. (10)

Peace, Piece Yoke, Yolk Sole, Soul Affect, Effect Role, Roll

Q.4:- Re- arrange the following into meaningful sentences. (10)

- study, should, on, focus, your, you.
- never, he, such, had, a, storm, seen.
- properly, do, homework, your.
- without, perseverance, achievement, significant, possible, is, not.
- doctor, patient, the, examined, carefully.

Q.5:- Read the following paragraph carefully and answer the questions given at the end. (10)

"Time is one of the greatest gifts of life, yet it is often wasted without realization. Unlike wealth, time once lost can never be regained. Successful people are those who value every moment and use it wisely. A student who plans his day, studies regularly and balances work with rest is far more likely to succeed than one who delays tasks and spends his hours in idleness. Time teaches us patience, punctuality and discipline, which are the keys to progress. Many students complain about a lack of opportunities, yet they ignore the opportunities hidden in every hour. A single wasted day may not seem harmful, but many wasted days together can destroy a bright future. On the other hand, students who respect time, develop habits of hard work and consistency that lead them towards success not only in studies but also in every walk of life. Truly, time is the silent builder of destiny.

Questions

- Why is time considered one of the greatest gift?
- How does a wise student spend his time?
- What qualities does time teach us?
- Is wasting a single day harmful?
- Give a suitable title to the passage.

Q.6. Do as Directed. (20)

- Ali can swim. (Change it into interrogative sentence).
- The cat killed the mouse. (Identify object in the sentence).
- He did not tell the truth. (Change it into affirmative sentence).
- They will write a story. (Change it into past indefinite)
- A _____ of birds flew over the river. (Herd, Flock)
- He was _____ money with both hands. (Collecting, Accumulating)
- The paper had started before he comes. (Correct the sentence)
- She said, "I am going to the library". (Change the direct narration into indirect narration).
- She is proficient _____ English. (in, at, with)
- I did my work. (Change into negative)

Q.7:- Translate the following into English. (20)

- | | |
|--|--|
| 1- دو اور دو چار ہوتے ہیں۔ | 2- سورج غروب ہونے سے پہلے دو گھر بج چکے تھے۔ |
| 3- دو روزانہ سیر کیلئے جاتا ہے۔ | 4- کیا دو شام سے ڈرائیو تک کر رہی ہے؟ |
| 5- دو دو سالوں سے اس مکان میں رہتا رہا ہے۔ | 6- غریبوں کی مدد کرنا ہمارا فرض ہے۔ |
| 7- وہ یہاں نہیں آئیں گے۔ | 8- محنت کا پھل ہمیشہ میٹھا ہوتا ہے۔ |
| 9- کیا تم کل ہمارے ساتھ چلو گے؟ | 10- اگر تم محنت کرو گے تو کامیاب ہو جاؤ گے۔ |



کیڈٹ کالج وانا

جنوبی وزیرستان ٹرانسٹل ڈسٹرکٹ

انٹری ٹیسٹ برائے جماعت ہشتم

پرچہ اردو 25 اکتوبر 2025

کل نمبر 100

وقت ایک گھنٹہ

نوٹ:- تمام سوالات حل کریں۔ وقت مقررہ کے اندر پرچہ ممتحن کے حوالے کریں۔

سوال نمبر ۱۔ مندرجہ ذیل سوالات دی ہوئی ہدایات کے مطابق حل کریں۔

05 الف۔ مذکر کے مونث اور مونث کے مذکر لکھیں۔

صاحبزادہ، مریض، بہنوئی، جمدار، دوست

05 ب۔ مندرجہ ذیل الفاظ میں سے واحد کی جمع اور جمع کے واحد لکھیں۔

خليفة، مشرقين، ارواح، اجزاء، الزام

05 ج۔ مندرجہ ذیل الفاظ کے متضاد لکھیں۔

فلت، جنگ، سکون، عرش، اصل

05 د۔ مندرجہ ذیل الفاظ کے مترادف لکھیں۔

وقار، اجالا، آثار، ہوس، یکتا

10 سوال نمبر ۲۔ مندرجہ ذیل محاورات کو جملوں میں استعمال کریں۔

نودو گیارہ ہونا، باغ باغ ہونا، اپنے منہ میاں مٹھو بننا، آسمان پر تھوکتنا، ناک میں دم کرنا

10 سوال نمبر ۳۔ الف۔ اسم ذات کی تعریف کریں نیز اسم ضمیر کی حالتیں لکھیں۔

10 ب۔ مرکب توصیفی کی تعریف کریں اور مثالیں دیں۔

10 سوال نمبر ۴۔ امتحان میں کامیابی پر دوست کے نام خط تحریر کریں۔

10 سوال نمبر ۵۔ مندرجہ ذیل خاکے کی مدد سے کہانی مکمل کیجیے۔

تین مسافر دوست ----- سایہ وارد رخت ----- اشرفیوں کی تھیلی ----- ایک دوست کھانا لینے گیا ----- کھانے میں زہر ملا دیا

----- دوست نے اسے قتل کر دیا ----- کھانا کھایا ----- دونوں مر گئے ----- تھیلی پڑی رہ گئی ----- لالچ نے تینوں کی جان لی

نتیجہ -----

10 سوال نمبر ۶۔ مندرجہ ذیل میں سے کسی عنوان پر کم از کم بیس سطروں کا مضمون لکھیں۔

الف۔ ایک دلچسپ سفر

ب۔ ورزش کے فائدے

10 سوال نمبر ۷۔ الف۔ سورہ "العصر" کا با محاورہ ترجمہ تحریر کریں۔

10 ب۔ اسلام میں حسن خلق کی اہمیت پر نوٹ لکھیں۔

غیر مسلموں کیلئے

10 الف۔ پاکستان کا حدود و اربعہ بیان کریں۔

10 ب۔ قرار داد لاہور کے بارے میں آپ کیا جانتے ہیں؟



Entrance Test for Class 8th

25 Oct 2025

Paper Mathematics

Total Marks 100

Section - A

Note: Write one word answers to Q.1 on the Answer Sheet.

Q.1: Fill in the blanks.

(20)

- i. If $\frac{2}{X} = \frac{3}{7}$ then $X =$ _____.
- ii. $a \times a^{-3} \times a^7 \times a =$ _____.
- iii. 20 % of $\frac{2700}{20} =$ _____.
- iv. Sum of two acute angles of a right angle triangle is equal to _____.
- v. The ratio between circumference and diameter is _____.
- vi. A close geometrical figure having four equal sides is called _____.
- vii. The total length of the boundary of a circle is called _____ of the circle.
- viii. The square root of 256 is _____.
- ix. The ratio 18 : 6 is equivalent to _____.
- x. _____ is based on the annual value of a house, land, cars and buildings.

Section - B

Marks: 80

Note: Attempt any eight questions from the following. Each question carries 10 marks.

- Q. 2.** If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$, $A = \{2, 4, 6, 8, 10\}$ and $B = \{1, 3, 5\}$, then find $A' \cap B'$
- Q. 3.** Find the LCM of 400, 350, 500, 110 by factorization method.
- Q. 4.** Divide $x^3 - 3x^2 - 2x + 4$ by $x - 1$.
- Q. 5.** If 990 is decreased by 3 times a number, it results in the number decreased by 30. Find the number.
- Q. 6.** Simplify $x^2 y^2 - 64$ with suitable identity.
- Q. 7.** If $P =$ set of prime numbers and $Q =$ set of even numbers and $Z =$ set of integers. Then verify the distributive property of union over intersection
- Q. 8.** Factorize $a^3 b - a b^3$.
- Q. 9.** A watch is bought for Rs. 250 and sold for Rs. 300. Find the profit and profit percentage.
- Q. 10.** Find area and circumference of a circle whose radius is 35 cm.
- Q. 11.** Construct a parallelogram ABCD in which $m\overline{AB} = 6$ cm, $m\overline{BC} = 4$ cm and $m\angle B = 60^\circ$



Entrance Test for Class 8th

25 Oct 2025

Paper General Science

Section-A (Marks: 20)

Note: Write one word answers to Q.1 on the Answer Sheet.

Q.1:- Encircle the correct options.

- i. Which of the following is not an organ of a plant?
(1) Epidermis (2) Root (3) Stem (4) Leaf
- ii. The basic unit of structure and function of nervous system is
(1) Nerve (2) Brain (3) Neuron (4) Spinal cord
- iii. The distance in space is measured in:
(1) Meters (2) Miles (3) Light Years (4) Kilometers
- iv. The center of an atom is called
(1) Orbital (2) Nucleus (3) Proton (4) Neutron
- v. During physical change, the chemical composition of a substance:
(1) Changes (2) Doesn't change (3) Permanent changes (4) Temporary changes
- vi. Which part of human body is responsible for pumping blood?
(1) Lungs (2) Kidney (3) Heart (4) Stomach
- vii. The chemical formula for water is
(1) H₂O (2) H₂CO₃ (3) H₂SO₄ (4) CO₂
- viii. Light rays travel at speed of:
(1) 3×10^8 m/s (2) 300,000 Km/s (3) 300M m/s (4) All of these
- ix. The meat eaters are also known as:
(1) Herbivorous (2) Carnivorous (3) Omnivorous (4) Producers
- x. SI unit of temperature is
(1) Newton (2) Joule (3) Meter (4) Kelvin

Section-B (Marks: 35)

Q.2 Write brief answers to following questions. Each short question queries 5 marks.

- a. Why boiling of an egg is a chemical change? (05)
- b. Briefly describe the composition of blood. (05)
- c. Suggest an advantage of connecting the light in a room in parallel instead of series circuit. (05)
- d. What is Ecosystem? Name the basic components of ecosystem. (05)
- e. Explain why it is safer to use a fuse or circuit breaker in an electrical circuit? (05)
- f. Explain how painting an iron gate prevents it from rusting? (05)
- g. How desert habitat is different from forest habitat? (05)

Section-C (Marks: 45)

Q.3 Write answers to the following questions in detail. Each part (a, b & c) carries 15 marks.

- a. Define Chemical bond. Explain the formation of a chemical bond with an example. (15)
- b. Describe the process of Digestion in humans. Name the major organs involved and state their role in the process. (15)
- c. Define the following terms: (15)
 - (i) Wavelength (ii) Amplitude (iii) Time Period
 - (iv) Frequency (v) Velocity of wave