Cadet College Muzaffarabad
General Science
9th Entry Test Class 8th - 2026
Time: 50 minutes.   Total Marks: 50
Part -1
Objective

Note: Attempt all parts of the questions

Question No 1: Tick the correct answer.   (25 x 1 = 25 Marks)

1. Which part of the human respiratory system contains the vocal cords?

   Lungs   Trachea   Larynx   Nasal cavity

2. Pollination by wind is called:

   Hydrophily   Anemophily   Entomophily   Zoophily

3. What is the function of the cell wall in plant cells?

   Transport food   Provide support and protection   Control cell activities   Store energy

4. The blood vessels that carry blood away from the heart are called:

   Veins   Arteries   Capillaries   Valves

5. The concept of shells and subshells is related to which of the following?

   Structure of Atom   Chemical Reactions   Types of Chemical Reactions   Pollution

6. Greenhouse gases trap heat in the atmosphere. Which of the following is a greenhouse gas?

   Nitrogen   Oxygen   Carbon dioxide   Helium

7. What is produced in a decomposition reaction?

   One product   Multiple products   No products   Only heat

8. Which atmospheric layer is responsible for absorbing most of the ultraviolet radiation from the Sun?

   Troposphere   Stratosphere   Mesosphere   Thermosphere

9. Which of the following is the main component of a colloid?

   Solvent   Solute   Both solvent and solute   Neither solvent nor solute

10. How many subshells are present in the second shell of an atom?

   1   2   3   4

11. Which of these materials is a good conductor of electricity?

   Rubber   Glass   Copper   Wood

12. Which theory explains the origin of the universe?

   Steady State Theory   Big Bang Theory   Evolution Theory   Quantum Theory

13. Which of the following is a unit of electric current?

   Volt   Ohm   Ampere   Joule

14. Heat transfer through empty space occurs by:

   Convection   Conduction   Radiation   Insulation

15. What is the primary source of energy for the solar system?

   Moon   Sun   Stars   Planets

16. Which planet is known as the "Blue Planet"?

   Venus   Earth   Neptune   Mars

17. Organization of data in tabular form:

   Database   Data   information   Start

18. Intersection of Rows and Column form:

   Database   Data   information   Table

19. If $A = \{1, 2, 3, 4 \ldots\ldots\}$, then the set A is

   (a) Finite set   (b) infinite set

   (c) natural number   (d) both (b) & (c)

20. The LCM of 6, 12 and 36 are

(a) 6

(b) 36

(c) 12

(d) All of these

21. Descending order of $-4, -5, 4, 2, 3$

(a) $-5, -4, 2, 4, 3$

(b) $-4, -5, 4, 2, 3$

c) $4, 3, 2, -4, -5$

(d) $4, 3, 2, -5, -4$

22. In BODMAS, M stand for

(a) mathematical operation

(b) multiplication

(c) minus

(d) product

23. In right angle triangle one angle must be

(a) 360^0

(b) 180^0

(c) 90^0

(d) 270^0

24. Perimeter of square whose length of side is 4cm is

(a) 4cm

(b) 16cm

(c) 8cm

(d) 64cm

25. Area of triangle is:

(a) $base \times altitude$

(b) $base + altitude$

(c) $\frac{1}{2}(base \times altitude)$

(d) $base - altitude$

Question No 2: Fill in the Blanks   (25 x 1 = 25 Marks)

1. The _____ is the control center of the cell.

2. Translocation in plants involves the transport of _____ from leaves to other parts of the plant.

3. _____ is the process of transferring pollen from one flower to another.

4. The _____ carries oxygen-poor blood to the lungs.

5. The _____ carries oxygen-poor blood to the lungs.

6. The process in which one element displaces another from its compound is called _____ reaction

7. The _____ layer of the atmosphere protects the Earth from harmful ultraviolet rays.

8. The process in which a substance absorbs heat and reacts with oxygen to form new products is called _____.

9. The concentration of ozone in the stratosphere is measured in _____.

10. A solution that has a large amount of solute is called a _____ solution.

11. The force that opposes the motion of two surfaces in contact is called _____.

12. _____ is the force that slows down moving objects due to contact between surfaces.

13. A material that does not allow electric current to pass easily is called an _____.

14. Virus definition refers to _____ of all current activities.

15. MS Word is a _____ type of software.

16. The set of natural number is _____ set.

17. The number which have two or more divisor is called _____ numbers.

18. The H. C.F of 10, 25, 60 is _____

19. The word algebra was derived from word _____

20. The value of "x" in $\dfrac{x}{5} = \dfrac{8}{10}$ is _____

21. The solution of equation $3x + 4y = 8$ _____.

22. BODMAS rule is also called _____

23. Area of triangel _____ $= \dfrac{1}{2}(height \times Base)$

24. The sum of any two sides of a triangle is _____ than the third side

25. 0.75 hours = _____ minutes

Cadet College Muzaffarabad
General Science
9th Entry Test for Class 8th - 2026
Time: 50 minutes.   Total Marks: 50
Part -2
Subjective

Note: Attempt all parts of the questions as indicated.

Question No 3: Answer following Questions

1. Define an ecosystem and name its main components.   4

2. *How does habitat influence an organism's survival?*   3

OR

Why does a person breath faster during exercise?   3

3. What is a chemical reaction? Give one example.   3

4. Describe the concept of a shell and a subshell in an atom?   4

OR

Explain why sweating (evaporation of water) cools you down?   4

5. How does the Greenhouse effect affect the climate?   2

6. Define transverse waves and give one example.   4

OR

Define gravity and explain its importance on Earth.   4

7. *Explain why an increase in* **Friction** *can sometimes be desirable (give an example), and why it is sometimes undesirable (give an example).*   4

8. What is hardware?   2

OR

Narrate uses of AI   2

9. Define Robots? Give examples from daily life.   4

10. Write the numbers in words 875,111932.   2

OR

A shopkeeper earns 40% profit on a pair of shoes. Find the profit if the cost price of that pair of shoes is Rs. 700.   2

11. Find the product of $\dfrac{98}{32} \times \dfrac{96}{56} \times \dfrac{80}{42}$ 2

12. Simplify $11.21 \div \left[5.21 + \left\{ 1.045 - \left(1.7 \times \overline{1.06 - 2.0} \right) \right\} \right]$ 4

13. What is the volume of Glass marble that has a radius of 3cm? Take $\pi = \dfrac{22}{7}$ 5

OR

Zahid bought a pair of socks on sale price Rs. 250. Whereas the original price is Rs. 325.

Find the discount percentage?   5

14. Find the continued product of $(2p+3q)(2p-3q)(4p^2+9q^2)(16p^4+81q^4)$ 4

OR

The sum of three consecutive positive integers is 315. Find the numbers.   4

15. Verify 1st De Morgan's law $U = \{2,4,6,10,12,14\}$, $A = \{2,6,10,12\}, B = \{6,10,12,14\}$ 3

OR

If $a - \dfrac{1}{a} = 5$. Find the value of $a^3 - \dfrac{1}{a^3} - 15$ 3

| کیڈٹ کالج مظفرآباد |
| اردو پیپر 9th انٹری ٹیسٹ |
| جماعت : ہشتم |
| 2026 |

وقت : 45 منٹ

سوال 1۔ درج ذیل میں سے کسی ایک عنوان پر مضمون لکھیں۔

15

1. میرا نصب العین

2. میری پسندیدہ کتاب

3. ورزش کے فوائد

سوال2۔ درست جواب پر (ٹک) کا نشان لگائیں

10

1. "یہ میرا بیگ ہے"——"یہاں "یہ "کیا ہے؟
A) اسم علم
B) اسم صفت
C) اسم اشارہ
D) اسم نکرہ

2. "وہ میرا دوست ہے"——"وہ "کیا ہے؟
A) اسم ضمیر
B) اسم صفت
C) اسم نکرہ
D) اسم علم

3. لفظ "دوست "کس قسم کا اسم ہے؟
A) اسم نکرہ
B) اسم علم
C) اسم ضمیر
D) اسم صفت

4. "میری گھڑی"——لفظ "میری "کیا ہے؟
A) اسم ضمیر
B) اسم صفت
C) اسم علم
D) اسم نکرہ

5. یہ میرا شہر ہے "——"شہر "کیا ہے؟
A) اسم ضمیر
B) اسم نکرہ
C) اسم علم
D) اسم صفت

6. "جو بوؤ گے وہی کاٹو گے "——یہ ایک ضرب المثل ہے۔

درست / ☐ غلط

7. "آسمان سے گرا، کھجور میں اٹکا" یہ محاورہ ہے، ضرب المثل نہیں۔

درست / ☐ غلط

8. لاحقہ لگانے سے لفظ کا معنی یا قسم بدل سکتا ہے۔

درست / ☐ غلط

9. سابقہ ہمیشہ لفظ کے آخر میں لگایا جاتا ہے۔

درست / ☐ غلط

10. حرف کا کوئی معنی نہیں ہوتا

درست / ☐ غلط

سوال 3   5

1. بھائی کے نام ایک ساتھ گرمیوں کی چھٹیاں گزارنے کا خط تحریر کریں   **یا**
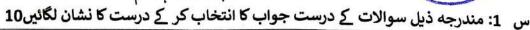
2. پرنسپل کے نام سیر و تفریح کے لیے درخواست تحریر کریں۔

کیڈٹ کالج مظفرآباد

حصہ دوئم (اسلامیات)

2026

جماعت : ہشتم

س 1: مندرجہ ذیل سوالات کے درست جواب کا انتخاب کر کے درست کا نشان لگائیں 10

حارث	عبدالمطلب	عبداللہ	ابوطالب	حضور ﷺ کے والد کا نام کیا تھا؟	I.
کسی اور مہینے میں نہیں	رمضان	محرم	شوال	روزہ رمضان کے علاوہ کس مہینے میں فرض ہے؟	II.
سب	رسول	فرشتے	صرف اللہ	عقیدہ توحید کے مطابق کس پر یقین کرنا ضروری ہے؟	III.
حضرت عزرائیل علیہ السلام	حضرت اسرافیل علیہ السلام	حضرت میکائیل علیہ السلام	حضرت جبرائیل علیہ السلام	قرآن مجید کس کے ذریعے نازل ہوا؟	IV.
کبھی نہیں	دو بار	زندگی میں ایک بار	ہر سال	حج کب فرض ہوتا ہے؟	V.
7	6	5	4	اسلام کے کتنے ارکان ہیں؟	VI.
آگ کا بجھنا	بیماری کا علاج	پانی نکالنا	چاند کے دو ٹکڑے	آپ ﷺ کا پہلا معجزہ کیا تھا؟	VII.
سب کا	آخرت کا ذکر	فرشتوں پر ایمان	اللہ کی وحدانیت	کلمہ طیبہ میں کیا بیان کیا گیا؟	VIII.
کوئی نہیں	فرشتے	اللہ تعالیٰ	نبی ﷺ	قیامت کے دن کون فیصلے کرے گا؟	IX.
پاکستان	مدینہ	ایران	مکہ	مسجد نبوی کہاں واقع ہے؟	X.

س 3: مندرجہ ذیل سوالات کے مختصر جوابات تحریر کریں۔   10

I. غزوہ بدر میں کم تعداد کے باوجود مسلمانوں کا اعتماد کس چیز پر تھا؟

II. اسلام کے کتنے ارکان ہیں؟

III. نماز ترک کرنے سے انسان کی شخصیت پر کیا اثر پڑتا ہے؟

IV. ہمسایوں کے حقوق کیا ہیں؟

V. حضور ﷺ کی سیرت سے مشکل وقت میں کیا سبق ملتا ہے؟

س 4: تفصیلی سوالات

مندرجہ ذیل میں سے کسی بھی سورت کا ترجمہ تحریر کریں   5

1. سورۃ الناس

2. سورۃ الاخلاص

س: حقوق العباد کی ادائیگی نہ ہونے سے گھر اور اسکول پر کیا اثر پڑتا ہے؟   5

یا

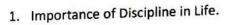س: صلح حدیبیہ بظاہر کمزور معاہدہ تھا مگر فائدہ کیسے بنا؟

Cadet College Muzaffarabad
9th Entry Test Class 8th - 2026
English
Time: 45 Minutes | Total Marks: 50

Q 1. Write an essay of about (150-200) words on any ONE of the following topics.   15

1. Importance of Discipline in Life.

2. The Impact of Social Media on Society

3. A Visit to a Historical Place.

10

Q 2. (A) Do as directed. Overwriting is not allowed.

1. He said, "I will attend the meeting." (Change to indirect narration)

2. I am reading a book. (Convert to past simple tense)

3. The teacher give us homework. (Correct error)

4. The water is dirty. (Find Noun)

5. He prides himself in his health.   (Find Verb)

6. He and she are going to the movies. (Underline pronouns)

7. The play was written by Shakespeare. (Change to active voice)

8. The foolish crow tried to sing. (Find Adjective)

9. I had been studying for three hours before I took a break. (Convert to past perfect continuous tense)

10. The police dispersed the mob. **(Find Collective Noun)**

(B) Write the correct form of verb.   5

1. By the time I _____ (finish) my homework, it was already midnight.

2. By next month, I _____ _____(save) enough money to buy a new bike.

3. They _____ (just launch) a new product in the market.

4. By the time I _____ (realize) my mistake, it was too late.

5. If I _____ _____(be) you, I would take the job offer.

(C) Change singulars into plurals and plurals into singulars: 5

1. Traffic

2. Music

3. Physics

4. Child

5. News

Q 3. Give brief and to the point answers to the questions from the given paragraph. 15

Passage 1

The ancient city of Mohenjo-Daro is located in the province of Sindh, Pakistan, on the west bank of the Indus River. The city was discovered in 1922 by archaeologist R.D. Banerji, who was working for the Archaeological Survey of India. The excavation of Mohenjo-Daro revealed a sophisticated urban planning system, with advanced architecture and water management. The city's streets were laid out in a grid pattern, with a sophisticated drainage system. The houses were made of kiln-fired bricks, with intricate designs and carvings. Mohenjo-Daro is considered one of the most important archaeological discoveries of the 20th century, providing valuable insights into the Indus Valley Civilization.

Questions:

1. Where is the ancient city of Mohenjo-Daro located?

2. Who discovered Mohenjo-Daro in 1922?

3. What was unique about the urban planning system of Mohenjo-Daro?

4. What do you think was the significance of the advanced water management system in Mohenjo-Daro?

5. How do you think the discovery of Mohenjo-Daro has contributed to our understanding of ancient civilizations?

OR

Passage 2

Emma loved animals. Every weekend, she would visit the animal shelter in her town. She spent hours there, feeding the cats, walking the dogs and cleaning their spaces. Emma enjoyed her time with the animals, and the staff appreciated her help. One day, Emma found a small, brown puppy hiding in a corner. The puppy looked scared, and Emma gently petted it until it felt comfortable. Soon, she convinced her parents to adopt the puppy, naming it "Buddy". No, Emma and Buddy are best friends and enjoy playing together every day.

Questions:

1. Where did Emma go every weekend?

2. What did Emma do at the animal shelter?

3. How did Emma help the small, brown puppy?

4. What name did Emma give to the puppy she adopted?

5. Why did the staff at the shelter appreciate Emma?