

USWA COLLEGE ISLAMABAD

Entry Test - March 2024

English – 8th

Time Allowed: 60 min

Marks: 60

Name _____ Father's Name _____ Roll No. _____

Centre _____ Signature of the student _____

Note: All parts are to be answered on the question paper itself except the last question which is to be answered on the answer sheet. Deleting/overwriting is not allowed. Do not use lead pencil.

Q1. Rearrange the following words/phrases to form meaningful sentences: 05

1. Drove/bike/he/hills/in/the

2. With/playing/I/my/park/in/am/brother

3. Cooking/in/mom/kitchen/is

4. Studying/friends/has/a/group/of/been/not

5. Bus/come/the/when/terminal/will/the/on?

Q2. Change as directed: 05

1. I have watched that film. (Change into future indefinite)

2. She is working on a new project. (Change into past perfect continuous)

3. You are telling a lie. (Change into past indefinite tense)

4. The driver drives the car slowly. (Change into past perfect tense)

5. I answered all the questions. (Change into present perfect tense)

Q.3 Change from Direct Narration to Indirect Narration: 05

1. My father said to me, "Are you going away today?"

2. The children said, "Hurrah! We are happy here."

3. He said to me, "Please give me a pen."

4. The patient said to the doctor, "I am feeling sick ."

5. My mother said, "May you always prosper!"

Q4. Change the Voice: 05

1. She sings a song.

2. Are you writing a letter?

3. I will finish the task before the evening.

4. They took all the necessary precautions.

5. The dolphins have learned many tricks

Q5. Tick the correct Parts of Speech: 05

1. She was running a high temperature.

a) adjective b) adverb c) noun d) verb

2. I am the happiest boy in the world.

a) adverb b) adjective c) verb d) preposition

3. Arshad is the most intelligent boy in the class.

a) conjunction b) preposition c) adverb d) interjection

4. A fast car goes fast.

a) verb b) adjective c) adverb d) conjunction

5. She was angry but she said nothing.

a) preposition b) pronoun c) noun d) conjunction

Q6. Correct the following sentences:

05

i. People who pay his debts are trusted.

ii. We cannot start while it raining.

iii. I think that you have make a mistake.

iv. People who rise early stay healthy.

v. I think it is his hard work that has brought him victory.

Q7. Use the following words in your sentences:

05

i. Revolve _____

ii .Although _____

iii. Shame _____

v. Successful _____

v. Alas _____

Q8. Read the passage carefully and answer the questions given at the end:

05

Eskimos live in the polar areas. They are not usually tall but they have powerful legs and shoulders. They have a common language and can understand members of another group although they may come from many thousands of miles away. Marriage is by mutual consent. They do not have a special marriage ceremony. Eskimos live by hunting and fishing. The Eskimo snow house, which is called igloo, is very well-known, but in fact, Eskimos usually live in houses made of wood and turf. When they are not hunting and working, Eskimos like to carve. They use ivory and wood and they often make very beautiful objects.

Questions:

i. What do the Eskimos look like?

ii. How does a common language help them?

iii. How do they earn their living?

iv. What activities do they engage in during their spare time?

v. Find a word from the passage that means “agreement”.

Q9. Translate into Urdu:

05

The wise tortoise moved with small steps steadily and crossed the sleeping hare. Hence, the tortoise finished the race while the tortoise remained sleeping. All the animals who came to watch the race cheered for the tortoise and the hare woke up to know that it lost the race.

USWA COLLEGE ISLAMABAD

Entry Test - March 2024

Maths – 8th

Time Allowed: 1 Hour

Marks: 60

Name _____ Father's Name _____

Roll No. _____ Centre _____ Signature of the student _____

Note: All parts are to be answered on the question paper. Deleting/overwriting is not allowed. Do not use lead pencil. Calculator is not allowed.

Q.No. 1 Fill in the blanks by choosing correct option: (10)

- i) If $A = \{b, e, f\}$, $B = \{f, g, h\}$, then $A \cap B =$
A) $\{b, e, f, g, h\}$ B) $\{b, e, f\}$ C) $\{f\}$ D) $\{h\}$
- ii) Common elements of two sets A and B are denoted by
A) $A - B$ B) $A \cap B$ C) $A \cup B$ D) $A \subseteq B$
- iii) $\frac{1}{2}(-6)(-3) = \dots\dots\dots$
A) -9 B) 4.5 C) 9 D) -4.5
- iv) $-\frac{3}{5} \div 15 = \dots\dots\dots$
A) $-\frac{1}{10}$ B) -9 C) $-\frac{1}{25}$ D) 9
- v) Ushr is paid at the time of
A) Harvest B) Cultivation C) 1st Ramzan D) Eid ul Fitr
- vi) 2% of Rs 500000 is
A) Rs 1000 B) Rs 10000 C) Rs 100000 D) Rs 5000
- vii) Simplified form of $(2a + b) - (a - 2b)$
A) $a + 3b$ B) $a - b$ C) $3a - b$ D) None of these
- viii) One of the solution of $\frac{1}{2}x + y = 7$ is
A) (6, 2) B) (0, -7) C) (2, 6) D) (0, 6)
- ix) If diameter of circle is 70 m, then its circumference is
A) 220 m^2 B) 20 m^2 C) 220 m D) 20 m
- x) If two sides of a triangle are congruent, then the triangle is _____ triangle.
A) Scalene B) Isosceles C) Equilateral D) None of these

Section – A

Q.No. 2 Solve all the questions. Each question carries equal marks. (6 × 5 = 30)

- i. If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$, $A = \{1, 3, 5, 7, 9\}$ and $B = \{3, 8, 10\}$,
then prove that $(A \cap B)' = A' \cup B'$

- ii. Factorize $3k^2 - 16k + 16$

iii. Evaluate with the help of formula 202×198

v. Solve the equation $\frac{2}{-3} = \frac{4x+4}{2x+14}$

iv. A man bought a chair for Rs 8500. He sold it at a loss of 10 %. Find the sale price.

vi. Construct a triangle ABC in which $\angle A = 45^\circ$, $\angle B = 90^\circ$ and $\overline{AB} = 6.5$ cm. What is measure of third angle?

Section – B

NOTE: Attempt all these questions. All questions carry equal marks.

2 × 10 = 20

Q.No.3 Solve the following system of linear equations

$$3x - y = 12 ; \quad 2x + y = 13$$

Q.No.4(a) Simplify $(2x + 3y)^2 - (x + 2y)^2$

(b) Mr. Arshad buys a house of work Rs 3500000. He paid a property tax @ 1.2 % on the property worth. Find the total amount paid by him.

USWA COLLEGE ISLAMABAD

Entry Test - March 2024

Science – 8th

Time Allowed: 30 min

Marks: 30

Name _____ Father's Name _____ Roll No. _____

Centre _____ Signature of the student _____

SECTION – A

Q1. MCQs (Choose the correct option) (10)

- Mercury thermometer is used to measure temperature of a body, which process is used in it?
a. Convection b. Radiation c. Thermal Expansion d. Insulation
- Huge amount of heat is being generated on sun. This heat reaches us from sun to earth by :
a. Radiation b. Convection c. Convection & Radiation
d. Conduction, Convection and Radiation
- Sound waves cannot pass through:
a. Solids b. Liquids c. Gases d. Vacuum
- Which of the following is a non-contact force?
a. Gravity b. Friction c. Spring Force d. Tension is a string
- The mixture of solid and liquid is called a solution. What is the liquid called?
a. Solute b. Solvent c. Suspension d. Sediment
- Electrostatic attraction occurs between two:
a. neutral atoms b. ions of opposite charges
c. ions of similar charges d. bonded atoms
- The atomic number of Hydrogen atom is one. The number of valence electron in Hydrogen atom is:
a. 0 b. 1 c. 2 d. 3
- The mass number of an atom is represented by:
a. A b. B c. Z d. M
- Which of the following is an example of chemical change?
a. Filling up a balloon with air b. Freezing of water
c. Photosynthesis d. Boiling of water
- Which of the following is not an organ of plant?
a. Epidermis b. Stem c. Leaf d. Root

Section – B

Q2. Attempt all 7 questions, each carries 2 marks.

- (i) Define the terms, temperature and heat. Write their SI units.

- (ii) Differentiate between transverse waves and longitudinal waves. Give at least one similarity and one difference.

- (iii) Define force and its SI unit.

- (iv) By using valency, write the chemical formula of Carbon Dioxide. (Atomic number of Carbon 6, Mass Number 12 and Oxygen has Atomic Number 8, Mass Number 16)

- (v) An atom has an atomic number of 8 and a mass number of 16. Determine the number of protons, neutrons and electrons present in it.

- (vi) Why does silver gets tarnished after some time?

- (vii) What are the three functions of roots?
