CADET COLLEGE SKARDU

WRITTEN TEST CLASS VIII 2024

Subject:	**English**	Total Marks: **75**
Time Allowed:	**1 Hour**	Class: **8ᵗʰ**

Q.1 Change the narration: - (05)

a. The teacher said, "Those who dig a pit for others, fall in it themselves".

b. I said to him, "Please wait till I return."

c. Mother said to us, "Do not tell a lie."

d. The Master said," Close the door".

e. He said to me, "What are you doing.

Q.2 Change the voice of the following:- (05)

a. Why did you beat him?

b. Do not let your time be wasted.

c. Who knocked at the door?

d. I know him.

e. Who wrote it?

Q.3 Correct the following sentences:- (10)

a. Why did you killed him?

b. She is smallest of all.

c. She travels mostly on trains.

d. He keeps long hairs.

e. He hails by Lahore.

f. Try to immediately call the doctor.

g. He is blind from one eye.

h. What is she from you?

i. Trust by God. ·

j. He was bathing in the river.

Q.4 Do as directed:- (05)

a. She is very fat. (Change into interrogation)

b. Would you please drink coffee? (Change into imperative)

c. She is known me? (Supply preposition)

d. Did you swim in the cold water? (Change into Past Continuous Tense)

e. My word I you give. (Arrange in proper order)

CADET COLLEGE SKARDU
WRITTEN TEST CLASS VIII 2024

Subject: **General Science**   Total Marks: **75**
Time Allowed: **1 Hour**   Class: **8th**

Note   : Attempt All Questions & Use Answer Sheets
Caution   : Do not write your Name, Roll Number or any other identification mark anywhere in the Answer Sheet except at the specified place, as it is punishable under college rules.

Q1. Define the following:-   (10)
  a: Wavelength of a wave
  b. Frequency of a wave
  c. Amplitude of a wave
  d. Electrical Resistance
  e. Electric Current

Q2. Differentiate between following:-   (10)
  a. Pitch and Loudness
  b. Periscope and Mirage
  c. Transverse Waves and Longitudinal Waves
  d. Constellation and Galaxy
  e. Convex Lenses and Concave Lenses

Q.3 Explain Refraction of Light.   (05)

Q.4 Describe following:-   (10)
  a. Pollination
  b. Embryo
  c. Cotyledon
  d. Photosynthesis
  e. Population

Q.5 How translocation of food takes place in plant body through phloem tissue?   (05)

Q.6 Describe the structure and function of following with the help of diagram:-   (10)
  a. Human Blood Vessels
  b. DNA

Q.7 Write down formula of following:-   (10)
  a. Zing Chloride   b. Sulphur dioxide
  c. Sulphuric Acid   d. Ammonia
  e. Sodium Sulphate   f. Sodium bicarbonate
  g. Potassium Chloride   h. Benzene
  i. Methane   j. Nitrogen Oxide

Q.8 Why an atom of an element is a neutral particle? Justify with an example.   (05)

Q.9 Define Groups and Periods of Periodic Table. How many elements are present in 1st and 3rd period?   (05)

Q.10 Write down brief classification of "Impurities of Water".   (05)

پرچہ: اردو	کلاس: ہشتم
وقت: 1 گھنٹہ	کل نمبر: 75

نوٹ: جوابات کے لیے جوابی کاپی کا استعمال کریں۔

سوال نمبر ۱۔ مندرجہ ذیل اصطلاحات کی مختصر تعریف کریں۔ (10)

(ا) مطلع (ب) استعارہ (ج) ردیف (د) مقطع (ر) اسم مصدر

سوال نمبر ۲۔ مندرجہ ذیل الفاظ کے متضاد لکھیے۔ (10)

(ا) اکثریت (ب) غربت (ج) اقبال (د) حریف (ر) شجاع
(س) مغلوب (ش) عروج (ص) سپوت (ض) صادق (ط) میزبان

سوال نمبر ۳۔ مندرجہ ذیل الفاظ کے مترادف لکھیے۔ (10)

(ا) حاجت (ب) مفلس (ج) تیغ (د) قصر (ر) گروہوں
(س) آبرو (ش) حزن (ص) شکوہ (ض) لہو (ط) اجنبی

سوال نمبر ۴۔ جملے بنا کر تشابہ الفاظ کا فرق واضح کریں۔ (10)

(ا) الم ، علم (ب) بلال ، حلال (ج) نکتہ ، نقطہ (د) کثرت کثرت (ر) نذر ، نظر

سوال نمبر ۵۔ مندرجہ ذیل محاورات کو جملوں میں استعمال کریں۔ (10)

(ا) بلائیں لینا (ب) باچھیں کھل جاتا (ج) بھانڈا اچھوڑنا (د) آنکھیں چار ہونا (ر) رفو چکر ہونا

سوال نمبر ۶۔ مندرجہ ذیل الفاظ میں سے واحد کے جمع اور جمع کے واحد لکھیے۔ (10)

(ا) ملت (ب) اجداد (ج) زیور (د) حاشیہ (ر) فرعون
(س) اسم (ش) تاریخ (ص) سلاطین (ض) دوا (ط) اسلوب

سوال نمبر ۷۔ بہر کھاتا ہے رگ خاشاک میں جس کا لہو "اس مصرع کا منظوم اور شاعر کا نام لکھیں۔ (05)

سوال نمبر ۸۔ "تعلیم نسواں "یا"شہری و دیہاتی زندگی "پر مختصر نوٹ لکھیں۔ (05)

سوال نمبر ۹۔ والد صاحب کے نام خط لکھ کر اپنی تعلیمی سرگرمیوں سے آگاہ کریں۔ (05)

Q.5 Change the voice of the following:- **(10)**
a. He wrote the book beautifully.
b. I had been punished.
c. We must look into the matter.
d. Nobody can repair this broken vase.
e. People play football all over the world.
f. She will look after the little girl.
g. They gave me two thousand rupees.
h. I bought Aslam a book.
i. You promised me a present.
j. Who teaches you English?

Q.6 Write a letter to your friend congratulating him on his success in the examination. **(10)**

Q.7 Write an essay on any one topic. "Patriotism" OR "Morning Walk". **(10)**

Q.8 Use the following pair of words in your own sentences:- **(10)**
a. Check, Cheque
b. Dose, Doze
C. Berth, Birth
d. Ceiling, Sealing
e. Die, Dye

Q.9 Translate following into English:- **(05)**

۱۔ بھینس کے آگے بین بجانا۔

۲۔ کیا تم کبھی اسلام آباد گئے ہو؟

۳۔ مالی دو گھنٹوں سے پودوں کو پانی دے رہا ہے۔

۴۔ زمیندار کھیت میں ہل چلا رہا تھا۔

۵۔ وہ بچپن سے کرکٹ کھیل رہا ہے۔

Q.10 Use appropriate preposition:- **(05)**
a. He was angry _____ my behavior.
b. The dues must be paid _____ cash.
c. I placed my hand _____ the table
d. I cannot believe _____ you.
e. He is eligible _____ this post.

Subject: **Mathematics** Total Marks: **75**
Time Allowed: **1 Hour** Class: **8ᵗʰ**

Note : Attempt All Questions & Use Answer Sheets

Caution : Do not write your Name, Roll Number or any other identification mark anywhere in the Answer Sheet except at the specified place, as it is punishable under college rules.

Q.1 If U= {1,2,3,.....10} and A= {1,3,5,7,9}, then prove that A∩A' = Φ (05)

Q.2 Simplify following:- (20)

a. $[(-\frac{4}{9})^2]^8 \div [(-\frac{4}{9})^3]^5 \times (-\frac{4}{9})$

b. $2x^2(x^3 - x) - 3x(x^4 - 2x) + 2(x^4 - 3x^2)$

c. $1\frac{1}{3} + \frac{5}{2} + \frac{1}{4}$

d. $(\frac{4}{9})^{-5} \times (\frac{2}{3})^4 / [(\frac{2}{3})^{-4} \div (\frac{2}{3})^{-4}]$

Q.3 The area of a circle is 172.1 cm². Find the circumference of the circle. (05)

Q.4 A train covers a distance of 360 km in 5 hours. Find its speed in meters per second. (05)

Q.5 The price of a mobile is Rs 8,800 inclusive of 15% GST. What is the original price of the mobile? (05)

Q.6 The radius of a cylinder is 1.4 cm and length is 5.2 cm. Calculate the surface area of the cylinder. (05)

Q.7 Find the markup on a loan of Rs 45,000 for 73 days at the rate of 10% per annum. (05)

Q.8 The length of a marriage hall is 4 times as much as its breadth. If the perimeter of hall is 240m, find the length and breadth of the marriage hall. (05)

Q.9 Find the square roots of the following fractions:- (10)

a. $1\frac{63}{81}$

b. $\frac{4096}{15129}$

Q10. Factorize the following:- (10)

a. $\frac{k^2}{m^2}a^2 - \frac{2k}{n}ab + \frac{m^2}{n^2}b^2$

b. $k^2b^2 - 13kb - 2kb + 26$

سوال نمبر 2: دیے گئے پیراگراف کو غور سے پڑھیں اور نیچے دیے ہوئے سوالات کے جواب دیں۔ (15)

کیا آپ کو یہ معلوم ہے کہ کالی مرچ کہاں سے آتی ہے اور کس طرح پیدا ہوتی اور تیار کی جاتی ہے۔ اس مسالے کی کشش یورپی قوموں کو بھارت کھینچ کر لائی تھی اور بالآخر وہ ہمارے حاکم بن بیٹھے تھے۔ کسی زمانے میں یہ اتنی قیمتی تھی کہ اسے کالا سونا کہا جاتا تھا۔ اور مہمانوں کے لیے تیار کردہ کھانوں میں کالی مرچ کا استعمال میزبان کی دولت اور طاقت کا بلا انکار ثبوت تسلیم کیا جاتا تھا۔ یورپ میں اس قیمتی اور نایاب مسالے کی ہر کسی کو تلاش تھی۔ اس کے متعلق وہاں کئی کہاوتیں مشہور تھیں۔ جن میں سے ایک یہ تھی کہ اڑنے والے انتہائی زہر یلے سانپ کالی مرچ کے جنگلوں کی رکھوالی کرتے ہیں اور مقامی لوگ جنگلات کو آگ لگا کر ان سانپوں کو عارضی طور پر بھگانے کے بعد اس مسالے کو حاصل کرتے ہیں، جس کی وجہ سے اس کا رنگ کالا ہو تا ہے اور اس میں آگ کا ذائقہ بھی پایا جاتا ہے۔ کالی مرچ کا مقام پیدائش بھارت میں کیر الا کے علاقے میں ہے۔ جہاں یہ درختوں پر چڑھی ایک بیل پر سبز بیری کی صورت میں لگتی ہے۔ یہاں کے لوگ ہزاروں سالوں سے ان بیریوں کو چن کر ان سے مسالا تیار کرتے چلے آ رہے ہیں۔

i: اس اقتباس میں سے کوئی سے دو اسم معرفہ چن کر لکھیں:

1 ----------------------------------- 2 -----------------------------------

ii: کالی مرچ کے متعلق کیا کہاوتیں مشہور تھیں اپنے الفاظ میں لکھیں۔

----

iii: مرچ کو کالا سونا کیوں کہا جاتا تھا؟

----

iv: ان الفاظ کے ہم معنی الفاظ عبارت میں سے چن کر لکھیں۔

	حفاظت		اقوال		حکمران		آخرکار

v: اس عبارت کا اچھا سا عنوان لکھیں۔

سوال نمبر 3 (I) مندرجہ ذیل جملوں کی اغلاط درست کرکے دوبارہ لکھیے: (5)

مہنگائی دن بدن بڑھتی جا رہی تھی اور حکمران جھوٹ مار رہے تھے کہ "ہم نے مہنگائی کو دیو قابو کر لیا ہے اور اب اس قوم کی تنزلی کا دور ختم ہو گیا ہے۔" ایسی باتیں سن کر میرے سر میں درد رہنے لگی تھی، ایک کابل حکیم کو دکھایا تو اس نے کام رچ سیب کھانے کا مشورہ پکڑا دیا۔ اندھا کیا چاہے دو بیٹکیں، پھر میں نے صدا ان کے مشورے پر عمل کیا۔

12.	What is the currency of Sweden?	
13.	What do you know about Mark Zuckerberg?	
14.	Where in the human body would you find the medulla oblongata?	
15.	Who became first female Lieutenant General of Pakistan Army?	
16.	Is Sun a Star, Planet, Meteor or Asteroid?	
17.	Which mineral builds our bones?	
18.	Who was the first Pakistani Prime Minister to die while in office?	
19.	The planet which is easily visible from the Earth is?	
20.	In which province of Pakistan is the Hub Dam located?	

IQ+GK

Q.4. a) Do as directed. [5]

(i) No sooner did he leave the house so it started raining. **(Correct it)**

Ans: ....

(ii) We will all laugh ....this memory one day. **(Provide preposition)**

(iii) She is proficient ....many languages. **(Provide preposition)**

(iv) The doctor said, "Have you followed what I suggested you?" **(Change Narration)**

Ans: ....

(v) Let him vacate the house. **(Change the Voice)**

....

b). Make use of the following words/phrases in your own sentences: [10]

Word/Phrase	Sentences
(i) a combination of	....
	....
(ii) attracted to	....
	....
(iii) charitable	....
	....
(iv) smartly	....
	....
(v) whether	....
	....

ENGLISH

Q.2. Read the following passage and answer the questions below. **[10]**

A book has just been published to help parents to deal with their children's naughty behaviour at home. The author, Dr James Bruno, says that the first positive discipline technique is for parents to remain calm because nervous parents don't get good results. Parents who cannot often remain calm find that their children stop taking any notice of them. The second challenge is to know how to correct bad behaviour in an effective way. For instance, punishing children by preventing them from watching their favourite TV program is not an ideal solution. Dr Bruno believes parents should establish clear rules for children to follow. If children refuse to follow these, they know they will be disciplined. Finally, the most effective way of encouraging good behaviour is to give positive feedback as often as possible, to show that it is not only naughtiness that attracts attention.

Questions:

i) What is the most essential requirement to deal with children's naughty behaviour?

Ans: --

----

ii) How do children respond to nervous or aggressive parents?

Ans: --

----

iii) Why isn't punishing children an ideal solution?

Ans: --

----

iv) Except positive feedback, what two things parents should do to correct bad behaviour?

Ans: a) --

b) --

v) What is the importance of positive feedback in correcting a bad behaviour?

Ans: --

Q.3. a) Translate the following paragraph into Urdu. [5]

The camel is rightly called the 'ship of the desert'. It is the best means of transport in the deserts. It can keep walking for hours on the burning sand and blazing sun. It carries heavy loads, much heavier in weight than any other beast. The camel is superior to all other animals because it can go without food and water for days. Its hump is also a store of food, which the camel uses when it gets nothing to eat and drink for days.

----

b) True or False? Tick (✓) the appropriate box. [5]

Statement	True	False
Gerund is a verb that ends at 'ing' and acts as adjective.		
"May you live long!" is an imperative kind of sentence.		
They felt themselves **reinvigorated**. Underlined word means new energy.		
He does not repent **on** his mistakes. Underlined preposition is incorrect.		
Swimming is a helpful exercise. Underlined word is present participle.		

Section B [IQ Test & General Knowledge]
(IQ)   [20]
Encircle the correct answer from the given options for each question.
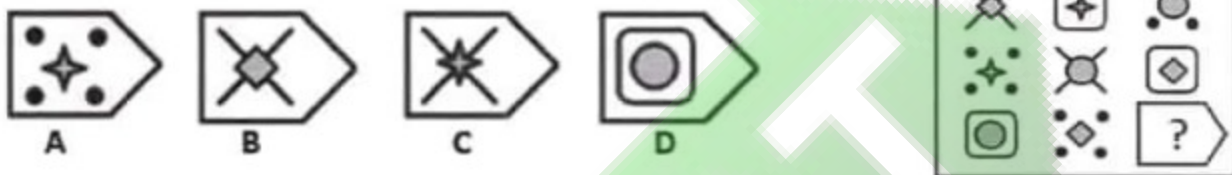
1. Which one of the following is least like the others?

   A. Billiards   B. Badminton   C. Football   D. Golf

2. If **NPSF** means **MORE**, then what does **XPSL** mean?

   A. WORK   B. RABBIT   C. HORSE   D. PARROT

3. Which option is appropriate for the space with a question mark?

4. Find the odd one out.

   A. Mango   B. Papaya   C. Apple   D. Orange

5. Which option is appropriate for the space with a question mark?

6. Snake is to Reptile like Lion is to ....?

   A. Animal   B. Bird   C. Pet   D. Mammal

7. Which option is appropriate for the space with a question mark?

8. Amina, who is 16 years old, is 4 times as old as her brother. How old will she be when she is twice as old as he?

   A. 42   B. 23   C. 24   D. 32
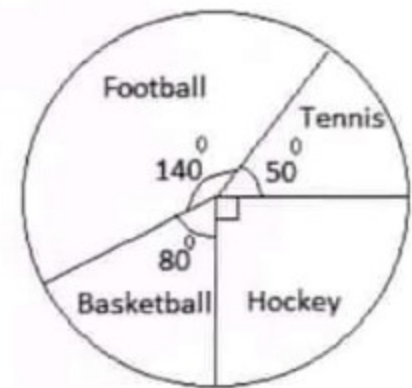
9. Virus is to vaccine as exam is to:

   A. Trying   B. Studying   C. Passing   D. Attempting
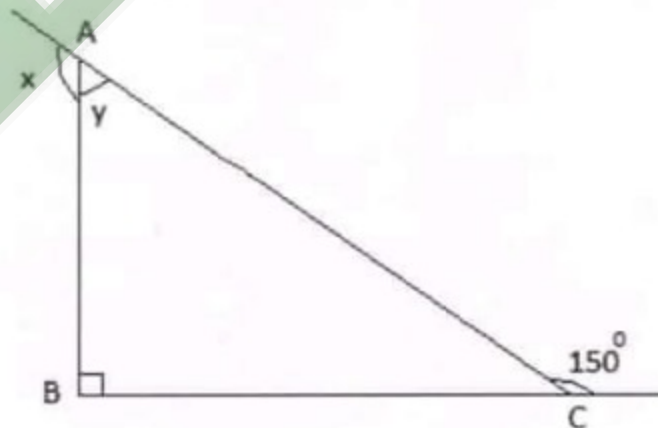
10. If there are 3 oranges and you take away 2, how many do you have?

   A. 1   B. 0   C. 3   D. 2

Q.5. a) Given is a pie graph showing sector angles of students playing different games in a school when each student plays one game only. If there are 1080 students in the school, what is the number of students playing Basketball and Tennis? **[4]**

b) Draw right bisectors of the triangle below. Steps of construction are not required to be written. Also find the values of x and y in the triangle. **[6]**

Maths

Section A (Mathematics)   Total Marks [50]

Q.1. Let U = {x / x ∈ W, x ⩽ 10 }, sets A, B and C being subsets of set U are as follows;

A = { x / x is prime number },   B = { x / x is an odd number},   and   C = A ∩ B.

a) **i)** Write all the sets in tabular form: **[4]**

U = {   }

A = {   }

B = {   }

C = {   }

ii) Find (A ∩ B ∪ C)ᶜ   **[2]**

b) Complete the following so that the operations of subtraction or addition become true.   **[4]**

i)   2 ☐ 4

- ☐ 9 ☐

----

8   8

----

ii))   2   4   9

+ ☐ 8 ☐

----

8   ☐   5

Section C (English)   Total Marks [50]

Q.1. Write down a composition of 200-250 words on any **ONE** of the following.   [15]

    (i) English is not only a language rather a gateway to the world knowledge

    (ii) Will e-books replace books as the source of information?

    (iii) How did you help the poor during COVID-19?

    Topic: --

(GENERAL KNOWLEDGE) [20]

Answer all the following questions in the given the spaces, very briefly. Each question carries 1 mark.

1.	On which river is Mangla Dam located?	
2.	In which year was the UN founded?	
3.	In terms of land area, what is the largest country in the world?	
4.	Name the biggest Salt Mine of Pakistan and its location?	
5.	Where did Pakistan conduct nuclear tests on 28th May 1998?	
6.	How many Amendments does the constitution of Pakistan have?	
7.	What type of rock is marble?	
8.	Which gas is formed when a hydrogen bomb is detonated?	
9.	What is the collective noun for a group of giraffes?	
10.	What is the capital of Yemen?	
11.	How many countries make up Africa?	