



# CADET COLLEGE GHOTKI SINDH

## PROSPECTUS 2025-26

**STRIVING FOR  
EXCELLENCE**



**COURAGE**

SUCCESS IS NEVER FINAL,  
FAILURE IS NEVER FATAL,  
IT'S COURAGE THAT COUNTS

**COMMITMENT**

COMMITMENT LEADS TO ACTIONS,  
ACTION BRINGS YOUR  
DREAMS CLOSER

---

**CONFIDENCE**

KNOWLEDGE GIVES YOU CONFIDENCE



In the Name of ALLAH, The Most Gracious, The Most Merciful



# TOP 8 REASONS FOR CHOOSING CCG



## **Economical Expenses**

Less fee structure as compared to other cadet colleges.



## **Experienced Faculty**

We have a well-qualified and experienced faculty with prime focus to achieve preset educational goals.



## **Excellence in Education**

Quality education synchronized with the latest teaching/learning techniques and student-centered methodologies.



## **Boarding and Lodging Facilities**

Comfortable, well-furnished and home like hostel facilities.



## **Character Building Education**

Special emphasis on character development of students through Innovative Cadets Personality Development Program (ICPDP).



## **Sports and Recreational Facilities**

All kind of sports and recreational facilities (Football, Basketball, Cricket, Volleyball, Hockey and Squash ) for the development of mental and physical growth of students.



## **Broader Horizon**

Inland visits, interaction with senior Army leadership and regularly scheduled guest speaker lecturers by renowned scholars.



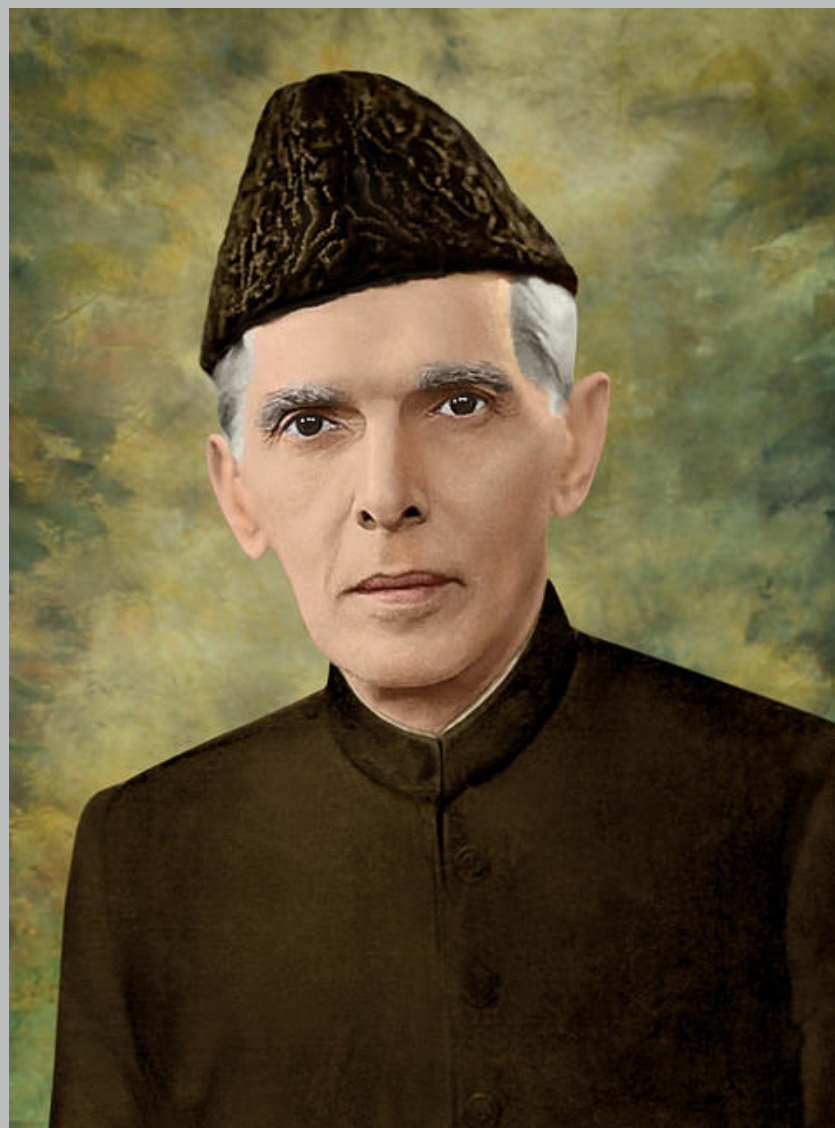
## **Healthy Environment**

Pollution free, healthy, safe and secure environment.

# CONTENTS

Introduction	13	Cadets' Mess	24
Location	14	Medical Facilities	24
Governing Body	15	Prayers & Nazra	25
Admission Policy	15	Cafeteria	25
Eligibility	15	Shopping Centre	26
Seat Allocation	17	Laundry Shop	26
Fee Structure	17	Recreational Facilities	26
Procedure of Submission of Fee	18	Physical Training and Sports	27
Late Submission of Fee	18	Co-Curricular Activities	27
Scholarships	18	Parents' Visit to College	28
Migration	18	Parent-Teacher Meeting	28
Academic Session	18	Long Weekend /Term Break / Vacation	28
Curriculum and Examination	19	Dress Code	28
Assessment / Evaluation	19	Clothing	29
Withdrawal / Relegation	19	Routine for Sundays / Holidays	30
Science Labs	19	Prohibited Items	31
Computer Training	20	Rules and Regulations	31
Library	20	Parent - Cadet Communication	31
Discipline	21	Communication with College	31
Cadets' Appointment	21	Important Contacts	32
Boarding Houses	22	Journey to College/ Home	32





## QUAID-E-AZAM MUHAMMAD ALI JINNAH

Pakistan is proud of her youth, particularly the students, who are nation builders of tomorrow. They must fully equip themselves with discipline, education and training for the arduous task laying ahead of them.



**Major General Shehryar Qureshi**  
General Officer Commanding 16 Division  
Chairman Board of Governors  
Cadet College Ghotki



## PRINCIPAL'S MESSAGE



Constituted on civil-military models of quality education and character building of students from Middle to Higher Secondary levels, Cadet College Ghotki has been rising as a progressive seat of learning and training since its establishment in 2010. By producing excellent academic results and making inputs into Armed Forces of the country, it has carved out an outstanding place amongst its sister institutions of the country. Located on National Highway N-5, in proximity of airports (Sukkur and Rahim Yar Khan) and railways, the college is easily accessible by all modes of transport round the clock. Furthermore, surroundings of the countryside with its productive lands, adjacency of the ever flowing Qazzi Canal and proximity of the District's Natural Safari Park multiply not only the peripheral beauty of the college but also ensure a conducive environment for the psychological and physical growth of the students. Within the premises, and spacious Boarding Houses, fitted with Evaporating Cooling System, and class rooms provide students with a comfortable atmosphere for residing and studying simultaneously. Along with provision of medical and psychological care, intensive attention is paid to provide them with balanced diet in their routine meals. Equipped with highly qualified faculty and state-of-the-art facilities, the campus offers a highly qualitative medium of instruction to the students. The Board classes (IX-XII) are educated in accordance with Syllabi of Sindh Text Book Board, while students at Middle level are taught Oxford syllabi. Given the increasing significance of fields of information technology, a part from Pre-Engineering and Pre-Medical, students are offered to choose computer science as a distinctive field at their secondary level of education as well. Extensive focus is put on improvement of English Language of students through implementation of specially designed courses, extra coaching and applying group discussion and public speaking strategies. Similarly, science subjects are taught with an objective of cementing basics and creating an urge for critical inquiry during theory and laboratory classes. To nurture students' faculties of self-confidence, motivation, oratory, art and literature an equal emphasis is laid on organizing co-curricular activities frequently intra and inter house levels. In addition, through regular sports, drill and physical training, students are kept mentally and physically fit. In a nut shell, with a vision of adorning youngsters with quality education and positive character through strategies of wholesome development of their personalities, the incumbent leadership under Chairman Board of Governors, aims at toiling hard to achieve excellence for the institution in all spheres. With this vision to the core of our heart, we warmly welcome the prospective students to this flourishing centre of knowledge and character building.

**Brigadier (Retired)**  
**Principal**  
**(Aimal Khan SI, M)**





## MESSAGE FROM DIRECTOR OF STUDIES



'Education is the first step to creating prosperity and quality and we, here in Cadet College Ghotki, continuously strive to extend the reach of high quality beyond the barriers of cultural boundaries.

Since the foundation of Cadet College Ghotki, we have been deeply committing ourselves to inculcating in cadets a disciplined way of life based on the civil-military models of character building with an objective to enable them to face challenges of life with knowledge, competence and character. Apart from quality education, cadets from their very first day at the college are lessoned how to sharpen their skills of self-development. A comprehensive focus is put upon their learning, health, psychology, boarding and corporeal needs.

However, provision of quality education is the prime objective of ours which cannot be achieved without sustaining the benchmark of highly qualified and trained faculty. We have, indeed, a competitive faculty, educated from country's high ranking universities with post qualification experience in the best institutions, who teach with passion and having fatherly interactive relationship with the cadets.

The campus is magnificently built. All Classes and Labs are well equipped with facilities such as projectors and internet to educate through modern means of teaching. To enhance cadets reading habit and creativity, each class is allotted a reasonable number of library periods. Regular public speaking classes, on weekly basis group discussion periods are also conducted for developing cadet's confidence, language and oratory style. A student counselor is also employed to motivate and train cadets to sustain their emotional health.

The learning assessment of the cadets is done through spot tests, class tests, regular fortnightly MCQs tests term examinations and annual examinations. Besides giving encouragement and awards to position holders, for slow learners extra coaching classes are arranged so that they must effectively catch up the syllabus.

We believe in teaching with nontraditional and qualitative approach so that a student of ours can effectively compete with his counterpart at national and international levels.

**Riaz Ahmed Shaikh**  
M.Sc: (Zoology), M.Ed:



# FACULTY PROFILE

## FACULTY OF ARTS

### Department of English



**Mr. Amanullah Phulpoto** (HOD)  
M.A- Shah Abdul Latif University, Khairpur, Mphil Khwaja  
Fareed University of Information Technology,  
Rahim Yar Khan



**Mr. Muzafar Ali Kolachi** (Lecturer)  
M.A-National University of Modern Languages Islamabad,  
Mphil Iqra University, Karachi



**Mr. Mansoor Shaikh** (Lecturer)  
M.A- (ELT) National University of Modern Languages  
Islamabad.

### Department of Urdu



**Mr. Syed Asif Reza Zaidi** (HOD)  
M.A, Shah Abdul Latif University , Khairpur



**Mr. Saifullah Khoso** (Lecturer)  
B.S (Hons) Urdu  
Shah Abdul Latif University , Khairpur

### Department of Sindhi



**Mr. Asif Usman Jokhio** (HOD)  
M.A, Shah Abdul Latif University , Khairpur



**Mr. Tanveer Hussain Junejo** (Lecturer)  
BS (Hons) Sindhi, M.Ed  
Shah Abdul Latif University , Khairpur

### Department of Islamiat



**Mr. Muhammad Mustafa Khokhar** (HOD)  
M.A Federal Urdu University, Karachi, Mphil,  
University of Sindh, Jamshoro

### Department of Pakistan Studies



**Mr. Ashique Hussain Abbasi** (HOD)  
MSc, Quaid e Azam University, Islamabad,  
Mphil Minhaj University, Lahore



**Mr. Ghulam Mujtaba Kalwar** (Lecturer)  
MSc- National University of Modern  
Languages, Islamabad, Mphil University  
of Sindh, Jamshoro



## FACULTY OF SCIENCE

### Department of Biology



**Mr. Riaz Ahmed Sheikh** (HOD)  
MSc, University of Sindh, Jamshoro  
M.Ed, SALU, Khairpur



**Mr. Ghulam Sarwar Chandio** (Lecturer)  
MSc, University of Sindh, Jamshoro

### Department of Chemistry



**Mr. Amjad Ali Narejo** (HOD)  
MSc, University of Sindh, Jamshoro



**Mr. Ali Bahar Shahani** (Lecturer)  
BS(Hons), SALU, Khairpur  
M.Phil, SALU, Khairpur



**Mr. Zulfiqar Ali Mugheri** (Lecturer)  
B.Sc (Hons), University of Sindh

### Department of Physics



**Mr. Hussain Bux Mugheri** (HOD)  
MSc- University of Sindh, Jamshoro



**Mr. Ghulam Mujtaba Korai** (Lecturer)  
MSc/ Mphil Shah Abdul Latif University, Khairpur



**Mr. Syed Awais Ahmed** (Lecturer)  
BS, (Hons) University of Swabi (KPK)

### Department of Computer Science



**Mr. Sajid Ali Soomro** (HOD)  
BE, Quaid e Awam University of Engineering Science  
and Technology, Nawabshah

### Department of Mathematics



**Mr. Muhammad Fahad Shah** (HOD)  
MSc, University of Sindh, Jamshoro, M.Ed SALU



**Mr. Manthar Ali Dadan** (Lecturer)  
MSc, Shah Abdul Latif University, Khairpur  
M.Ed, SALU, Khairpur



**Mr. Awais Ahmed Soomro** (Lecturer)  
MSc, Shah Abdul Latif University, Khairpur



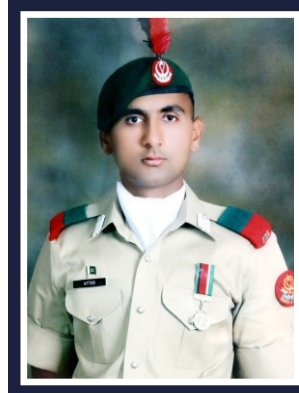
# ALUMNI



**ASP Abdul Ghafar Latki**  
1st Batch



**Midshipman Ali Hyder Suhriyani**  
3rd Batch



**Capatin Aftab Hussain Chachar**  
4th Batch



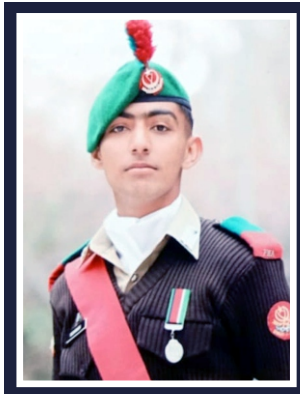
**Captain Fahad Medhi Raza**  
4th Batch



**Lieutenant Shoab Ali Rind**  
5th Batch



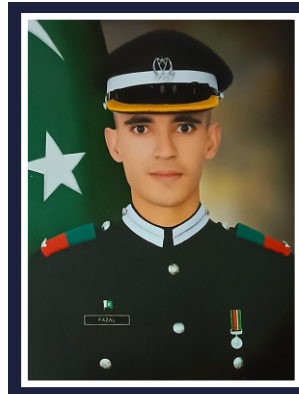
**Midshipman Maqsood Ali Lakhan**  
5th Batch



**Lieutenant Talha Munawar Juno**  
6th Batch



**GC Ghulam Hussain Korai**  
8th Batch (CC)



**GC Muhammad Fazal Golo**  
8th Batch



**GC Fahad Habib Arain**  
9th Batch



**PN Cadet Raza Abbas Lund**  
9th Batch



**PN Cadet Raza Abbas Awan**  
10th Batch



Faculty with Principal



Admin Staff with Principal



Outgoing Batch with Principal



## 1. Introduction

Keeping in view quality education through an Ideal Boarding System in line with Code of Conduct and Character Building Strategies of Pakistan Army, Scheme of Cadet College Ghotki was sponsored by Ministry of Education Government of Pakistan. The foundation stone was laid by the Honorable Chief Minister of Sindh (Late) Ali Muhammad Khan Mahar on 03 March in 2005. The College started functioning on Nov, 28, 2010 with initial intake of 114 Cadets. Up to now, eight consecutive batches of cadets have successfully passed out. At present, the college, with its five Boarding Houses and relevant facilities of high standard, can house 400 plus cadets from class VII to XII. Furthermore, committed with its Vision, Mission and Scope, the college has been developing in all aspects with the financial patronage of the Government Sindh and dedicated efforts of the staff rendered under the supervision and guidance of the Board of Governors of Cadet College Ghotki.

## 2. Mission

Grooming through quality education with modern facilities and focusing on physical and psychological nurturing of the cadets by models of discipline and character building of Pakistan Army in sync with universally recognized human values, is the mission of Cadet College Ghotki.

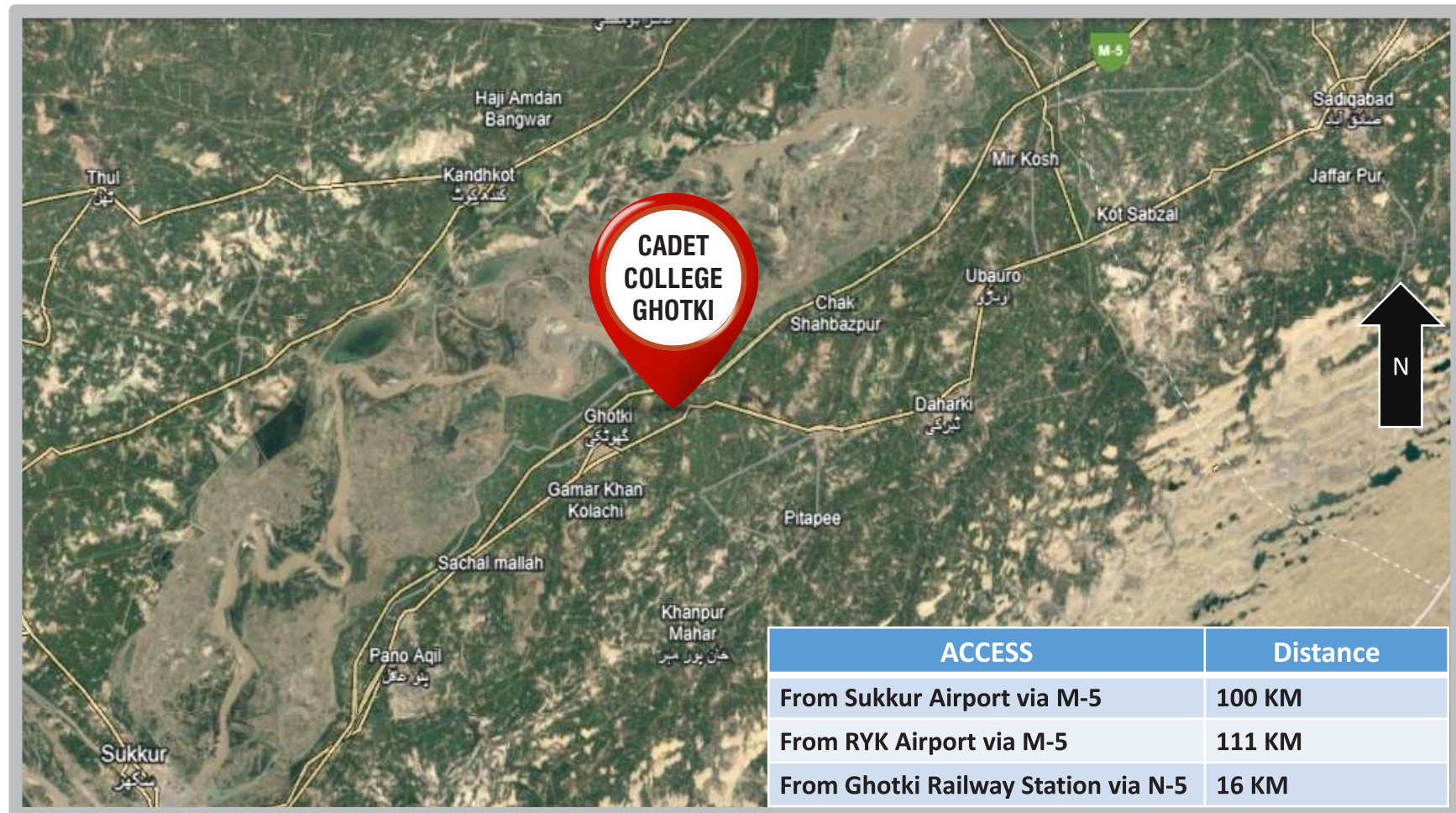
## 3. Scope

The college provides quality education from class VII to XII in Science Subjects (Pre-Medical, Pre-Engineering and Computer Science only) as per Syllabi and scheme of studies of Sindh Text Book Board Jamshoro. However, The College is affiliated with the Board of Intermediate and Secondary Education, Sukkur, Sindh. Furthermore, comprehensive provision of physical training, psychological care and personality grooming of cadets done as per patterns of Pakistan Army and Ideals of boarding life enable them to make their way easily to civil and military services of the country as well as other reputable fields of their choice around the world.



## 4. LOCATION

Cadet College Ghotki is a residential institution established on an area of 253 Acres. It is located 12kms away from Ghotki City on Pakistan National Highway N-5, leading to district of Rahimyar Khan, Punjab. Sukkur and Rahimyar Khan Airports, Railway, M-5 Motor Way and N-5 highway makes it the most easily accessible Cadet College throughout the country.







## 5. GOVERNING BODY

The college is governed by the Board of Governors constituted by the Government of Sindh. The Board is headed by the General Officer Commanding 16 Division Pano Aqil, with sufficient representation from Government and Civil Society.



## 6. ADMISSION POLICY

Admissions to college are made in class VII and VIII in accordance with the eligibility criteria given below.



## 7. ELIGIBILITY

- a) Sons of persons domiciled in Sindh are entitled to apply for admission against seats reserved for residents of each Administrative Division i.e. Sukkur, Larkana, Mirpurkhas, Hyderabad, Karachi and Nawabshah (Shaheed Benazirabad)
- b) Sons of persons domiciled in provinces other than Sindh.
- c) Sons of serving or retired defense personnel.



## A. AGE AND QUALIFICATION

- i) Candidates seeking admission in class VII must have passed class VI.
- ii) They must not be under 11 and over 13 years of age on the closing date of admission.
- iii) Candidates seeking admission in class VIII must have passed VII. They must not be under 12 & over 14 years of age on the closing date of admission.
- iv) No relaxation in age is permissible.



## B. WRITTEN TEST

- i. Candidates have to appear in the subject of English, Mathematics, Sindhi / Urdu and General Knowledge (Intelligent Quotient + Pakistan Studies + General Science).
- ii. Written test is conducted at following centers, provided, a minimally required number of candidates applied is obtained i.e minimum 20x candidates.  
1) Karachi 2) Larkana 3) Bhawalpur 4) Multan 5) Lahore 6) Rawalpindi 7) Quetta



## C. MAIN CENTRE

In any case, Cadet College Ghotki remains Main Centre for Written, Interview and Medical examinations.

- i) Standard of test for admission to class VII and VIII are of classes VI and VII respectively according to syllabi of Sindh Textbook Board, Jamshoro.
- ii) Result of test is uploaded on college website as early as possible after written examination.
- iii) Success or failure of the candidates in written test is communicated to them.
- iv) Whereas, the detailed results of the test are confidential so queries are not entertained in this regard.
- v) In case, a required number of candidates do not come up to the minimum standard for the purpose of admission from the quota of particular division such seats are filled from the quota where more deserving candidates are available.

NOTE: College admits no liability for delay / non-delivery/ loss, etc of written /interview& Medical call / test letter due to the postal system fault / Failure.



## D. MEDICAL TEST AND INTERVIEW

Candidates who qualify written test are interviewed and medically examined according to the prescribed medical standard. The decision of College Medical Board on Medical fitness / unfitness of candidates is irrevocable.





## 9. SEAT ALLOCATION

S.No:	Area	Seats
a	Ghotki District	30%
b	Sukkur Division	15%
c	Larkana Division	15%
d	Hyderabad / Mirpurkhas Division	07%
e	Karachi Division	05%
f	Nawabshah (Shaheed Benazirabad)	10%
g	Other Provinces	10%
h	Sons of all uniform Forces/Martyrs	05%
i	Sons of College Employees.	03%

## 10. FEE STRUCTURE

S.No:	Particulars	Revised Annual Fee (Regular)
1	Admission Fee (Non-Refundable)	21,000
2	Security Deposit (Refundable)	10,000
3	Tuition Fee	155,390
4	Messing / Administration Charges	179,724
5	Cadet's Personal Maintenance	26,321
6	ID Card Charges	350
7	Postage Charges	1773
8	Uniform Charges	As Per Actual
9	Books & Stationery	As Per Actual
	<b>Total Fee</b>	<b>394,558</b>

In addition to the above, following expenses will be charged individually on actual consumption basis.

a. Clothing / Uniform

b. Foot wear

c. Books and stationery

d. College excursion trips and tours.



Except initial voucher at time of admission, where it will be charged in full as per market rate

NOTE: Increase in fees is communicated to the parents as and when applicable. Expenses for education Tour, Clubs / Hobbies, Blazer Coat Charges etc. are charged as per actual rates.

**\* FEE EXCEPT THE SECURITY DEPOSIT SHALL NOT BE REFUNDED UNDER ANY CIRCUMSTANCES.**



## A. Procedure of Submission of Fee

- i. Fee can be submitted in all branches of ALLIED BANK LTD: Pakistan, through a printed challan provided by college.
- ii. No other mode of payment is acceptable.
- iii. The parents may either pay fee for the whole year (full fee is charged for vacation period also) at a time or in two equal instalments.
- iv. All charges will be increased up to 10% per annum after approval of competent authorities.
- v. Fee may be raised during the year depending upon prices of food items, services and utilities.

## B. Late payment of Fee

A fine of Rs. 200 per day will be charged in case is fee without pay with in the 15 days of issue of challan. To further discourage the frequency of late payment cases the following penalties will also be imposed against defaulters.

- i. Suspension from college till deposit of outstanding fee.
- ii. Striking the cadet names of college rolls and withholding of documents / testimonial (Original as well as photocopies) till recovery of all outstanding dues.
- iii. With holding of Application / Admission process to other colleges / universities / BISE exams.

**Note In extraordinary circumstances fee may be paid in quarterly instalment by parents after application of a written request by College authorities.**

## 11. Scholarships

- a) Candidates who secure first and second position in Entry Test for admission to class VII & VIII.
- b) Cadets who secure first and second position in their Annual Examinations VII - XI.
- c) **Wards of armed forces Shuhada.**
  - i) Candidate must be domiciled in District Ghotki only
  - ii) Candidate must Pass College Entry Test, Incase of more than one candidate scholarship will awarded based on Merit list.
  - iii) Candidates are required to provide documentary proof as pr GHQ W & R Policy.

**Note:** Attainment and thereafter continuation of any of the above given scholarship is continued with the candidates and cadets' eligibility to meet the required criteria of selection, maintenance of academic record and Scholarship Policy

## 12. Migration

Cadets admitted to the college have to stay and study here till they promote to the final Stage i.e H.Sc Part -II exams. Therefore, those requesting for migration / school leaving certificate before completion of their F.Sc, shall have to pay an amount as mentioned below:

- (i) After completion of year: Rs. 5000.
- (ii) After Passing S.S.C Pa II (Matric): Rs. 10,000.

## 13. Academic Sessions

There is one academic session in a year adjusted in accordance with policy of the College Education and Literacy Department Govt. of Sindh. The College calendar containing all details of activities for the whole year is sent to the parents / guardians at the beginning of the session.

## 14. Curriculum and Examination

Curriculum for classes IX to XII is based on syllabi prescribed by the Sindh Text Book Board, Jamshoro, Sindh.

Whereas, the curriculum for Classes VII and VIII is based on Oxford course / STBB Jamshoro syllabus.

Internal examinations, i.e Fortnightly, First Term, Monthly, Mid-term, Pre-Board and Annual Examination are held as per academic calendar to assess the progress of cadets in studies.

## 15. Assessment / Evaluation

The process of academic evaluation and personality assessment carried out round the year, through terminal tests / annual examinations, various activities and exercises organized in the college. A comprehensive dossier of cadet's annual performance is maintained by the admission branch and House Masters respectively.

## 16. WITHDRAWAL / RELEGATION / RUSTICATION

A Cadet can be withdrawn / relegated / rusticated from the college owing to his low performance markers in studies set as below:

- (i) Class VII: If the cadet is unable to get 45% marks in the Annual Examination.
- (ii) Class VIII: If the cadet is unable to get 45% marks in the Annual Examination.
- (iii) Class IX: Cadet's failure even in one subject may result in his withdrawal.
- (iv) The promotion to class XI is not an automatic process. It depends upon cadet's excellent performance in his previous class.
- (v) After the declaration of the result of the SSC Pa -II (Class X) annual examination, a cadet is not allowed to continue in class XI, if he fails to secure at least 55% marks in each science subject.
- (vi) Cadet involved in discipline and moral turpitude cases are withdrawn irrespective of their academic session or performance.

## 17. SCIENCE LABS

For an effective teaching of science, all practical are carried out in well-equipped physics, chemistry and biology laboratories.





## 18. COMPUTER TRAINING

Keeping in view the importance of computer science and information technology in our daily life, the cadets are put into practice of laying hand on the keyboards of computer right from the first day of their entry in the college. There is an air conditioned and well equipped IT Lab / supervised by qualified teachers and an instructors.



## 19. LIBRARY

The college has a well-equipped and tastefully laid-out library to cater for intellectual and mental growth of cadets and teachers. The library catalogues contain books on various subjects of natural and social sciences, humanities and arts including universally acclaimed reference works. Moreover, weekly, monthly, quarterly magazines and daily newspapers (English, Urdu, Sindhi) are available. For each class there are two compulsory library period in a week as well.



## 20. DISCIPLINE

Adjutant of the College, who is often of Captain/Major Rank, is responsible for the overall discipline of cadets. He also administers Military, physical and sports training of the cadets through his drill staff and appointment holders. Moreover, there is a college Discipline Committee comprised of Adjutant and two Senior Faculty members, which inspects, supervises and suggests means and measures for further improvement of Discipline of the cadets.

## 21. CADETS' APPOINTMENTS

On the basis of academic results, discipline, disposition, performance in curriculum and extra curriculum activities and personality each year following appointments are made from class XII (senior most cadets):

- a) College Captain
- b) Deputy College Captain
- c) House Sargent Major
- d) College Sports Sergeant
- e) House Captain





## 22. BOARDING HOUSE

At present, there are (6) houses in the college. These are known with their different Titles and Mottos. Each house accommodates around 75 cadets. A house master and deputy house master manages each house as per college rules and regulations. This team is responsible to prepare the cadets for inter house competition in all the dimensions.



Jinnah House



Iqbal House (ECS)



Mathelo House (ECS)







Latif House



Zulfiqar Ali Bhutto House



Sir Syed House



## Evaporating Cooling System (ECS)

To provide a comfortable environment to Cadets, the College is in the process of installing ECS in all houses. Mathelo and Iqbal House are equipped with ECS currently.



## 23. CADETS' MESS

The Mess functions under the supervision of Adjutant and mess Manager. Cadets are also associated with the management of the mess. The mess committee meets regularly to draw up the menu, discuss ways and means of improving the messing standard.

The adjutant acts as student mess in charge and is assisted by the mess manager. To ensure mess quality recommend menu changes the mess committee meets regularly. A high protein and seasonal vegetable based menu is designed to cater to the needs of growing cadets.



## 24. MEDICAL FACILITIES

There is a well-equipped dispensary supervised by a qualified Doctor. Records pertaining to the health of cadets are maintained regularly. The college has its own ambulance to rush cadets in the case of emergency to the DHQ Hospital / C.M.H Pano Aqil. Moreover, the College Medical Committee frequently inspects and advises for further necessary improvement of Medicare of cadets.



## 25. PRAYERS AND NAZRA

Five times prayers and Nazra-e-Quran are compulsory in college routine, in addition various activities are carried out for religious and ideological orientation of cadets.



## 26. CAFETERIA

A Spacious and fully furnished cafeteria has been built in college to facilitate cadets, their parents and employees of the college.





## 27. SHOPPING CENTER

To facilitate cadets and employees for their smooth stay in the college a shopping center has been constructed, which includes a Barber shop, Cobbler shop, Tailor Shop, Fruit shop & General Store.



## 28. LAUNDRY SHOP

A well-equipped laundry shop is established to provide the cadets and employees with facility of ironing, washing and dry cleaning their clothes.



## 29. RECREATIONAL FACILITIES

The Cadets have been provided with T.V, Indoor games and gear in the hostel to utilize their leisure hours, there is also a Recreation Club which arranges movies on weekends, excursion trips, variety of programs, dramas and many activities relevant of recreation of cadets.

## 30. PHYSICAL TRAINING AND SPORTS

To facilitate cadets and employees for their smooth stay in the college a shopping center has been constructed, which includes a Barber shop, Cobbler shop, Tailor Shop, Fruit shop & General Store.



## 31. CO-CURRICULAR ACTIVITIES

Personality development of a cadet is not consummated by curricular activities only he rather needs a drip by drip inputs besides these activities to polish not only his outstanding talent but also dig out those yet undiscovered in him. Given such a significance of co-curricular activities, CCG has been providing cadets with different avenues to develop their multiple qualities. However, for adhering them more with extra-curricular activities, some societies have been formed as mentioned below.

1. English Debating Club

2. Urdu Debating Club

3. Sindhi Debating Club

4. Hifz-e-Iqbal Club

5. Hifz-e-Latif Club

6. Annual Arts, Drama and play Club

7. Literary Club (Poetry, Creative Writing, Tringula Essays etc.)

8. Islamic Club

9. G.K and World Affairs Club

10. Spelling Bee Club

11. Young Scientists Club

12. College Archives Club



## 32. PARENTS' VISIT TO COLLEGE

The cadets joining this institution do, naturally, take some time to adopt themselves to the new atmosphere of the college. The shorter the visits of the parents the better the boys adjust themselves to the new environment. It is therefore, in the interest of cadets as well as of the College that the parents restrict their visits to the college to the minimum level unless it is unavoidable. However Parents / guardians can visit their sons / wards only on Sunday declared as parents day from 9.00am to 5.00pm. Cadets are not allowed to invite their relatives / guest.

## 33. PARENTS – TEACHER MEETING

To keep the parents informed of about their sons academic progress and to discuss their achievements / deficiencies. Teachers-parent meetings are convened regularly. This forum is also utilized to have suggestions of the parents on the over-all betterment of the institution

## 34. LONG WEEKEND / TERM BREAK / VACATION / HOLIDAY / LEAVE

There is a fixed number of holidays and term-breaks as indicated in college calendar. Besides after every forty days a long weekend is scheduled for cadets.

## 35. DRESS CODE

Cadets are required to wear the following dress on different occasion:

- Uniform: Khaki uniform has to be worn during classes, parade and drill.
- Walking-out Dress: Walking-out dress as prescribed for the respective seasons is to be put on by all cadets. The same is to be used during preps, dinner, while going outside the College campus and on leave.
- Games and P.T Dress: Shorts, vests and P.T shoes have to be used during games and P.T timings.
- Prayer Dress: Shirts / Kurta / Shalwar / Pyjama and cap with black shoe or Peshawari Chappal can be used for all prayers, including Juma Prayers. During winter, jersey pull-over or sweater is used.



## 36. CLOTHING

Following items are supplied by the college for which the payment is procured in advance at the time admission in fee charges:-

S.No:	Items	Quantity	S.No:	Items	Quantity
1.	T-Shirt White (Name & Tag)	02 Nos.	20.	Shoulder Patties: College	02 Pairs
2.	Waist Coat	01 Nos.	21.	Neckties	02 Nos.
3.	Pakistani Flag	02 Nos.	22.	Formation Sign	02 Nos.
4.	Oxford Shoes	01 Pair	23.	Plume	01 Nos.
5.	Peshawari Chappal	01 Pair	24.	Name Plates	03 Nos.
6.	Gray Trousers	02 Nos.	25.	FT Shoes	01 Pair
7.	Khaki Uniform	02 Pairs	26.	Khaki Jersey	01 Nos.
8.	White Shirt Full Sleeves	02 Nos.	27.	Maroon Jersey	01 Nos.
9.	White Shirt Half Sleeves	02 Nos.	28.	Track Suit (1 lower + 1 upper)	02 Nos.
10.	Shorts	02 Nos.	29.	Blazer Coat	01 Nos.
11.	Leather Belt	02 Nos.	30.	White Belt	01 Nos.
12.	Beret (Maroon)	02 Nos.	31.	Anklets	01 Pair
13.	Socks Black / White / Khaki	09 Nos.	32.	P.T Shoes	01 Pair
14.	Handkerchief White	05 Nos.	33.	White Towels (Large Size: 27x54)	02 Nos.
15.	Beret Badge	02 Nos.	34.	Olive Green Belt	01 Nos.
16.	Shoulder Title	02 Pairs	35.	Satchel	01 Nos.
17.	Sports Vest	04 Nos.	36.	Bed Sheets (with pillow cover)	02 Nos.
18.	House Colour Scarf	01 Nos.	37.	Under Wears	06 Nos.
19.	Shoulder Patties: House	02 Pairs			

Price of above items are charged as per tender / market rates and hence liable to change. New entry is charged cost of all items in advance as per current rate and old entries as per items issued and current tender / market rate.



## 37. Routine for Sundays / Holidays

Event	Summer Timings	Winter Timings
Reveille	05.30 am	05.45 am
Namzaz-e-Fajar	05.45 am	06.10 am
Brunch	10.30–11.30 am	10.30–11.00 am
Recreation/Cafeteria	11.35 am Onward	11.35 am Onwards
/Shopping		
Namaz-e-Zohar	02.00–02.20 pm	02.00–02.20 pm
TeaTime/Cafeteria/	02.30–04.40 pm	02.30–04.00 pm
Shopping		
Namaz-e-Asr	05.15–05.30 pm	04.15–04.30 pm
Cafeteria/Preparation	Between Namaz-e-Asr	Between Namaz-e-Asr
for next day	and Maghrib	and Maghrib
Namza-e-Maghrib	At Sunset	At Sunset
Prep-I	07.15–08.25 pm	06.15–07.45 pm
Dinner	08.30–09.00 pm	07.50–08.20 pm
Namaz-e-Isha	09.05–09.25 pm	08.25–08.45 pm
Cafeteria	09.25–09.55 pm	08.50–09.15 pm
Special Prep-II	09.55–10.55 pm	09.20–10.30 pm
Night Fall-in/Lightsout	11.15 pm	10.35 pm

following items of clothing shall be brought by the cadet himself on date of joining the College.

S.No:	Items	Quantity
1	Shalwar & Kamzeez White (Only Washing Wear)	06 Pairs
2.	Vests & Underwear (White)	06 Nos
3.	Cap for Prayers (White)	02 Nos
4.	Slippers (Bathroom Chappal)	01 Pair
5.	Peshawari Chappal	01 Pair
6.	Shoes Polish (Black) & Bursh	01 Set
7.	Hangers Soap,	One Dozen
8.	Tooth Pasts & Brush etc.	01 Set
9.	Traveling Bag <small>(Available at College Shopping Center on Payment)</small>	01 Nos
10.	Bed Sheet White <small>(Available at College Shopping Center on Payment)</small>	04 Nos
11.	Pillow	01 Nos
12.	Nail Cutter	01 Nos
13.	Socks (Black)	02 Pairs
14.	Table Lamp (LED) Rechargeable)	01 Nos
15.	Alarm Clock (Table Clock)	01 Nos
16.	Wallet (ForPocket Money)	01 Nos
17.	* Gray Pants	01 Nos
18.	* White Shirt	02 Nos
19.	* Oxford Shoes	1 pair
20.	* Service P.T Shoes (White)	1 Pair

\* Available at College to ensure uniformity.





## 38. PROHIBITED ITEMS

Cadets are NOT permitted to keep the following in the House:

- Mobile Phone.
- Transistors, Video games and electric appliances, personal computer, wireless, Radio, T.V set, Walkman.
- Unauthorized medicine / drugs
- Money and valuables (Golden rings, Chains, etc)
- Weapons of any kind
- Cigarettes, narcotics in any form
- Matches, burners, heaters, etc.
- Explosive, combustible material
- Undesirable printed material
- Musical instrument

## 39. RULES AND REGULATIONS / COLLEGE DISCIPLINE SOPs

Upon admission to college, each cadet and his father / guardian will automatically bind himself to abide by the college rules / regulations and orders (written or verbal) issued from time to time penalties for infringement shall be at the sole discretion of the Principal. These shall not be questioned under any circumstances. Requests for admission are accepted on the implicit understanding that these conditions are acceptable to the applicant and his father / guardian.

## 40. PARENT-CADET COMMUNICATION

Parents may contact their sons on telephone as per following schedule:

Saturday 1430 hours to 2200 hours

Sunday 1100 hours to 1900 hours

Note: In case of any emergency parents are advised to contact the House Master / Deputy House Master.

Change of address or telephone number, if any must be intimated to the college immediately.

## 41. COMMUNICATION WITH COLLEGE

Communication with the College can be made on the following:

- a. **Postal Address:** Cadet College Ghotki
- b. **Railway Parcels:** Cadet College Ghotki, Railway Station Ghotki
- c. **E-mail:** ghotkians1@gmail.com
- d. **Phone:** 0723-650186
- e. **Fax:** 0723-687500



## IMPORTANT CONTACTS

S. No.	Name	Designation	Cell No	Phone
1	Mr. Farman Ali Arbani	Administrative Officer	0313-2955644	0723-650186
2	Mr. Asif Usman Jokhio	HM Z.A Bhutto House	0333-7093193	
3	Mufti Muhammad Mustafa	HM Iqbal House	0333-3145990	
4	Mr. Ghulam Mujtaba Korai	HM Bhattai House	0302-3645564	
5	Mr. Manthar Ali	HM Mathelo House	0311-3600110	
6	Mr. Ghulam Sarwar Chandio	HM Jinnah House	0315-3896301	
7	Mr. Waheed Ahmed Soomro	Assistant Accounts Officer	0310-3132223	
8	Mr. Sikandar Ali Soomro	Admission Focal Person	0300-3102027	
9	Mr. Waseem Hassan Kolachi		0303-3446444	

## 42. JOURNEY TO COLLEGE / HOME

It is responsibility of the parents / guardians to arrange safe journey for their sons / wards going home and back to the college, on both start and end of holidays. However, where possible, the College may arrange journey of the cadets by train / road or air in groups on behalf of the parents / guardians, for which the parents have to pay in advance fare through demand draft and written request of parents.

If any parent / guardian is unable to arrange safe journey for his son / ward and wants him to travel alone. The parent will submit an affidavit declaring that the college will not be responsible for any mishap / accident during his solo journey to his home from the college.

**(SPECIMEN OF UNDERTAKING)**  
**(NON JUDICIAL STAMP PAPER OF RS. 50/- VALUE) AFFIDAVIT TO BE SIGNED BY**  
**PARENT / GUARDIAN OF CADET SELECTED FOR ADMISSIONS TO CLASS\_\_\_\_\_**

**Travel Affidavit**  
**(To be submitted on Reporting Day)**

I \_\_\_\_\_ Father of / Guardian of Cadet \_\_\_\_\_  
admitted to Class \_\_\_\_\_ in Cadet College Ghotki, state that my son/ward will travel from  
college to home alone and himself. Therefore, I will not hold responsible to the college authorities for  
any untoward accident / mishap, what so ever, confronted by him during his journey from the college  
to home.

This statement of mine will legally be binding upon me/my heirs till my son / ward studies in the  
college.

**Signature** \_\_\_\_\_

**Name** \_\_\_\_\_

**Father's Name** \_\_\_\_\_

**Relationship with Cadet** \_\_\_\_\_

**CNIC #** \_\_\_\_\_

**Address** \_\_\_\_\_

Dated: \_\_\_\_\_

**(To be attested by First Class Magistrate)**

**(SPECIMEN OF UNDERTAKING)**  
**(NON JUDICIAL STAMP PAPER OF RS. 50/- VALUE) SURETY BOND TO BE SIGNED**  
**BY PARENT / GUARDIAN OF CADET SELECTED FOR ADMISSIONS TO CLASS**  
**(To be Submitted on Reporting Day)**

I \_\_\_\_\_ S/O \_\_\_\_\_ Father of  
Cadet \_\_\_\_\_ bearing Roll No. \_\_\_\_\_

who has been selected for admission to Class \_\_\_\_\_ in Cadet College Ghotki declare that:

- (a) I will pay all the expenses for the education of my son / word including tution fee, measing, boarding / loading and uniform fee etc, for every term through Bank Challan on due date.
- (b) I agree that my son / ward shall abide by the all rules and regulations pertaining to discipline as are applicable to other cadets of the College and that is he will be liable to be relegated expelled from the College and account of Mis-conduct, indiscipline, poor academic performance or any failure or inability to pay the expenses in advance, i.e. within 15 days of the commencement of each term.
- (c) I will have no objection to any action(s) which may be taken by the College authorties regarding relegation or expulsion of my son / ward from the College and I will question neighter their decision in any court of law nor claim any compensation / damage(s) from the college.
- (d) In case of sickness of my son / ward, during education, I will bear all the expenses for the outdoor treatment at any hospital outside the College.
- (e) I will not claim any compensation in case of injury/disablity or death of my son / ward during his training in this college.
- (f) I will compensate the College for any damage caused to any equipment or permises by my son / ward deliberately / negligently or through mischief.
- (g) I will abide by the Travel Affidavit about my Cadet I have submitted with the college.
- (h) I have gone through the College Prospects and bind myself to abide by the College rules / regulations and order contained therein.
- (l) will make the payment of the College dues in respect of my son / ward well in time and will not defer it on any pretext / account.
- (j) I will not make any request for the grant of scholarship / free-ship / financial help from the College any any stage.
- (k) This bond will be binding upon me / my heirs and assignness.

Signature \_\_\_\_\_

Name \_\_\_\_\_

Father's Name \_\_\_\_\_

Relationship with Cadet \_\_\_\_\_

CNIC # \_\_\_\_\_

Address \_\_\_\_\_

Dated: \_\_\_\_\_

**(To be attested by First Class Magistrate)**

**CADET COLLEGE GHOTKI**  
**MODEL PAPERS FOR ENTRANCE TEST CLASS-VII**

**Section-I (English)**

**Q:01** Write a short essay on any one of the following

- (a) Eid-ul-Fitar      (b) Importance of Sports in Life      (c) My Ideal Personality

**Q:02** Write an application to your principal requesting him to grant you three days leave.

Or

Write a letter to your father requesting him to send you money for an educational tour.

**Q:03** Answer the following questions.

- i) Do you agree although people have different skin colours they are same?
- ii) How many times are the words 'Try Again' repeated in the poem?
- iii) What effect did the dream have on Kamal?
- iv) What did Abdullah tell Hamza not to do?
- v) What should people do to have clean and beautiful Pakistan?

**Q:04** Write down the Antonyms of the following words (Any Five).

- (i) Weak      (ii) Near      (iii) Outside      (iv) Happy      (v) Sad      (vi) Clean

**Q:05** Do as Directed.

- i) She kills a bird.      (Change into Interrogative)
- ii) I am reading a book.      (Change into Past Continuous Tense)
- iii) I agree ----- you.      (put preposition)
- iv) He is too fatty to run.      (Remove too)
- v) Mr. John eats \_\_\_\_ orange.      (Put article)

**Section-II (Mathematics)**

**(Subjective)**

**Note:** Attempt any three questions from the following

1. Find the product of whole numbers  $256 \times 1008$
2. convert into fraction and decimal 15%
3. Find the ratio in the lowest form:  $\frac{1}{5}$  and  $\frac{2}{3}$
4. Subtract  $-20f + 30g + 40$  from  $20 + 10f + 20g$
5. Find the length of side of a square whose perimeter is 40 cm

**(Objective)**

1. Notation of set always written in \_\_\_\_\_ alphabets  
(a) Capital English      (b) Small English      (c) Both a and b      (d) N.O.T
2. A set which of elements start from zero is called \_\_\_\_\_ set  
(a) Whole numbers      (b) Even Numbers      (c) Odd numbers      (d) Prime numbers
3. A set which of elements are countable is called \_\_\_\_\_ set  
(a) Finite      (b) Infinite      (c) Both a & b      (d) N.O.T
4. A set which has no element is called \_\_\_\_\_ set  
(a) Finite      (b) empty      (c) Null      (d) both b and c
5.  $389+245 =$  \_\_\_\_\_  
(a) 634      (b) 630      (c) 643      (d) 600
6.  $20 \times 80 =$  \_\_\_\_\_  
(a) 1600      (b) 1700      (c) 1800      (d) 1500
7.  $16025 \div 1000$   
(a) 16.25      (b) 16.025      (c) 1.6025      (d) 160.25
8. HCF of 2, 6, 10 is \_\_\_\_\_  
(a) 2      (b) 3      (c) 5      (d) 6
9. Addition of +8 and -5 is \_\_\_\_\_  
(a) 3      (b) -3      (c) 13      (d) -13
10. +1, +2, +3, ... are called \_\_\_\_\_  
(a) Positive Integers      (b) Negative integers      (c) Both a & b      (d) N.O.T

**Section-III (General Knowledge /Intelligence / General Science)**

**Note:-Choose the correct option from the following.**

**(General Knowledge)**

- i) Pakistan is located in \_\_\_\_\_ of Asia.  
(a) West (b) East (c) South (d) North
- ii) The total area of Pakistan is \_\_\_\_\_.  
(a) 796,096 (b) 5,96,096 (c) 6,96,073 (d) 8,76,060

**(Intelligence)**

- iii) Complete the series: 1,3,5,7, .....13.  
(a) 8,9 (b) 9,11 (c) 9,10 (d) 11,12
- iv) Which one is different from the rest?  
(a) Mango (b) Orange (c) Onion (d) Banana

**(General Science)**

- v) The Chemical Formula of Water is:  
(a) HO<sub>2</sub> (b) OH<sub>2</sub> (c) H<sub>2</sub>O (d) <sub>2</sub>HO
- vi) There are \_\_\_\_\_ bones in human body.  
(a) 206 (b) 306 (c) 406 (d) 506

**Section-IV (Sindhi)**

- نوٽ : هيٺيان سڀئي سوال حل ڪريو.
01. سوال 01. هيٺين مان ڪنهن به هڪ عنوان تي سهڻي سنڌيءَ ۾ مضمون لکو.
1. ماءُ جي عظمت 2. نماز 3. وطن جي حُب
02. سوال 02. يونين ڪائونسل جي بالا آفيسر کي پنهنجي ڳوٺ جي صفائيءَ لاءِ درخواست لکو.
03. سوال 03. هيٺين مان ڪي به پنج سوال حل ڪريو.
- (i) پورهيت لاءِ نبيءَ سڳوري ڇا فرمايو آهي؟
- (ii) وَحْدَهُ لَا شَرِيكَ لَهُ جو مطلب ڇا آهي؟
- (iii) الله تعاليٰ جي ساراه ۾ چيل شعر کي ڇا چئبو آهي؟
- (iv) سنڌ جو محب وطن عالم مخدوم بلاول ڪهڙو ڪم ڪندو هو؟
- (v) حضرت دائود ؑ ڇا ناهي پيٽ گذر ڪندو هو؟
- (vi) نظريه پاڪستان جو ٺهراءُ ڪٿي پاس ٿيو؟
- (vii) سڪن خلاف ڪهڙي پير سائين پاڳاري جهاد جو اعلان ڪيو؟
04. سوال 04. هيٺين لفظن جي معنيٰ لکي جملن ۾ ڪم آڻيو.
- قابض - اوڏڙا - ورونهن - انگبازي - سورهيه
05. سوال 05. هيٺين لفظن جا ضد لکو .
- اعليٰ - قديم - بهادر - مريد - ماضي
06. سوال 06. هيٺيان خال ڀريو .
- (i) ايڇ ايم خوجا کي تعليم جي خدمت عيوض پاڪستان جي صدر پاران \_\_\_\_\_ جو تمغو ڏنو .
- (ii) گجگوڙ جئن گجي ٿي \_\_\_\_\_ مڇي ٿي .
- (iii) اسلامي سربراه ڪانفرنس هر \_\_\_\_\_ سال ٿيڻ لڳي .
- (iv) ڪنهن به ماڻهوءَ، ساهواري، شيءِ، جاءِ ۽ ڪم جي خاص نالي کي \_\_\_\_\_ چئبو آهي.
- (v) اسم جي بدران ڪم ايندڙ لفظ کي \_\_\_\_\_ چئبو آهي.

Section-V (Urdu)

- سوال-۱ مندرجہ ذیل میں سے کسی بھی ایک عنوان پر مضمون لکھیں۔
- ۱۔ برسات کا موسم      ۲۔ عید کا تہوار
- سوال-۲ پرنسپل صاحب کے نام دو یوم کی چھٹی کی درخواست لکھیں۔
- یا
- اپنے والد صاحب کے نام خط لکھیں اُس میں ان کی خیریت دریافت کریں۔
- سوال-۳ درج ذیل سوالات کے جوابات لکھیں۔
- (i) حمد اور نعت میں کیا فرق ہے؟
- (ii) قمر کے ٹکڑے کس نبی نے کیے؟
- (iii) اللہ پاک کی کون کون سی نعمتیں ہیں؟
- (iv) نیک دل انسان کی صورت کیسی ہوتی ہے؟
- (v) سورج کس سمت سے نکلتا ہے؟
- سوال-۴ درج ذیل الفاظ کی معنی لکھیں۔
- اولیٰ - شمع - وحدت - لامکاں - اجالا
- سوال-۵ درج ذیل الفاظ کے متضاد لکھیں۔
- روشن - دن - عزت - خاص - ظلم
- سوال-۶ درست جواب کا انتخاب کریں۔
- (i) اردو کون سی زبان کا لفظ ہے؟
- (الف) ترکی      (ب) عربی      (ج) فارسی
- (ii) وہ اسم جس میں عام شخص، عام چیز، عام جگہ کا ذکر کیا جائے اُسے \_\_\_\_\_ کہتے ہیں۔
- (الف) اسم نکرہ      (ب) اسم معرفہ      (ج) اسم مکرر
- (iii) قومی ترانہ کس شاعر نے لکھا ہے؟
- (الف) نظیر اکبر آبادی      (ب) اکبر الہ آبادی      (ج) حفیظ جالندھری
- (iv) اردو کی حروف تہجی کی تعداد کتنی ہے؟
- (الف) ۳۶      (ب) ۳۷      (ج) ۴۲
- (v) پاکستان کا دار الحکومت \_\_\_\_\_ شہر کو کہتے ہیں۔
- (الف) کراچی      (ب) اسلام آباد      (ج) لاہور

**CADET COLLEGE GHOTKI**  
**MODEL PAPERS FOR ENTRANCE TEST CLASS-VIII**

**Section-I (English)**

**Q:01** Write an essay of 250 words on any one of the following.

(a) Democracy in Pakistan (b) Effects of Social Media on Young Generation (c) Importance of Reading Books

**Q:02** Write an application to your principal requesting him to issue you a leaving certificate.

Or

Write a letter to your friend requesting him to attend your birthday party.

**Q:03** Answer the following questions.

- i) How should we treat people who have any disability?
- ii) Why is it difficult for the blind boy to understand how the sun makes day and night?
- iii) Did Ali enjoy social studies class? Why?
- iv) Why do we study history?
- v) Can you name some historical places in Pakistan?

**Q:04** Write meaning of following idioms.

- (i) To nip the evil in the bud (ii) Through thick and thin (iii) Action speaks louder than words  
 (iv) A blessing in disguise (v) To save something for rainy days

**Q: 05 Do as Directed.**

- i) She saw \_\_\_\_\_ in the mirror. (Put Reflexive Pronoun)
- ii) He jumps \_\_\_\_\_ river. (Put Preposition)
- iii) He is \_\_\_\_\_ strongest boy in the class. (Put article)
- iv) Mr. John knows everything. (Change into Past Indefinite Tense)
- v) I am ..... Weak to walk. (too/to)
- vi) He has been here \_\_\_\_\_ morning. (Since/for)

**Q: 06** Fill in the blanks with Possessive pronouns only.

- a. That house belongs to us. The house is \_\_\_\_\_
- b. I have many pictures. The pictures are all \_\_\_\_\_
- c. These goats were given to them. The goats were \_\_\_\_\_

**Section-II (Mathematics)**

**(Subjective)**

**Note:** Attempt any three questions from the following

1. If  $P = \{2, 3, 4\}$  and  $Q = \{1, 2, 3, 4, 5\}$  then find  $P - Q$
2. convert into decimals and identify terminating  $\frac{-13}{7}$
3. Simplify  $\frac{7}{2} - \left(\frac{-1}{2}\right)$
4. Simplify:  $x^5 \times y^6 \times x^{-2} \times y^7$
5. Find x if  $x : 2 = 5 : 6$

**(Objective)**

1. Presentations of a set \_\_\_\_\_  
 (a) Three (b) Two (c) Four (d) One
2. A set which of elements start from one is called \_\_\_\_\_ set  
 (a) Whole numbers (b) Even Numbers (c) Odd numbers (d) Natural numbers
3. A set which of elements are un-countable is called \_\_\_\_\_ set  
 (a) Finite (b) Infinite (c) Both a & b (d) N.O.T
4. A set which has one element is called \_\_\_\_\_ set  
 (a) Singleton (b) empty (c) Null (d) both b and c
5.  $5+5-5 =$  \_\_\_\_\_  
 (a) 5 (b) 15 (c) 25 (d) 30
6.  $(-40)^2 =$  \_\_\_\_\_  
 (a) 1600 (b) 1700 (c) -1600 (d) 1500
7.  $6^2 \div 36$   
 (a) 1 (b) -1 (c) 2 (d) 0
8.  $8a - 5a =$  \_\_\_\_\_  
 (a)  $2a$  (b)  $3a$  (c)  $5a$  (d)  $6a$
9.  $a^2 + \dots + b^2 = (a + b)^2$   
 (a)  $2ab$  (b)  $-2ab$  (c)  $ab$  (d) 2
10.  $-1, -2, -3, \dots$  are called \_\_\_\_\_  
 (a) Positive Integers (b) Negative integers (c) Both a & b (d) N.O.T



### Section-III (General Knowledge /Intelligence / General Science)

Note:-Choose the correct option from the following.

#### (General Knowledge)

- i) Pakistan is located in \_\_\_\_\_ of Asia.  
(a) West (b) East (c) South (d) North
- ii) The total area of Pakistan is \_\_\_\_\_.  
(a) 796,096 (b) 5,96,096 (c) 6,96,073 (d) 8,76,060

#### (Intelligence)

- iii) Complete the series: 1,3,5,7, .....13.  
(a) 8,9 (b) 9,11 (c) 9,10 (d) 11,12
- iv) Which one is different from the rest?  
(a) Mango (b) Orange (c) Onion (d) Banana

#### (General Science)

- v) The Chemical Formula of Water is:  
(a)  $HO_2$  (b)  $OH_2$  (c)  $H_2O$  (d)  $_2HO$
- vi) There are \_\_\_\_\_ bones in human body.  
(a) 206 (b) 306 (c) 406 (d) 506

### Section-IV (Sindhi)

نوٽ : هيٺيان سڀئي سوال حل ڪريو.

- سوال 01. هيٺين مان ڪنهن به هڪ عنوان تي سهڻي سنڌيءَ ۾ مضمون لکو.
1. اسٽيٽ بئنڪ آف پاڪستان 2. فوت بال راند 3. علم جي اهميت
- سوال 02. پنهنجي ڪاليج جي پرنسپال کي ٽن ڏينهن جي موڪل لاءِ درخواست لکو.
- سوال 03. هيٺين مان ڪي به پنج سوال حل ڪريو.
- (i) شاهه عبداللطيف ڀٽائيءَ جي والد جو نالو ڇا هو؟
- (ii) اڪبر جي گهر ۾ ڪيترا ڀاتي هئا؟
- (iii) غير پسرائيندڙ مادا ڪهڙا آهن؟
- (iv) جنگِ احد ۾ پاڻ سڳورن ﷺ جهنڊو ڪنهن جي حوالي ڪيو؟
- (v) رئيس غلام محمد خان پرڳڙي ڪهڙي ڪائونسل جو ميمبر رهيو؟
- (vi) شاهه عبداللطيف ڀٽائيءَ کي شاعرن جو ڇا سڏيو وڃي ٿو؟
- سوال 04. هيٺين مان ڪن به ٻن جي وصف لکو.
- اسم خاص - ضميرمتڪلم - فعل - صفت
- سوال 05. هيٺين لفظن جا ضد لکو.
- عالم - سچ - ترقي - اوکو - حاڪم

Section-V (Urdu)

- سوال-۱ مندرجہ ذیل میں سے کسی بھی ایک عنوان پر مضمون لکھیں۔
- ۱- صبح کی سیر  
۲- بزرگوں کا احترام
- سوال-۲ پرنسپل صاحب کے نام اپنے بڑے بھائی کی شادی میں شرکت کے لیے چھٹی کی درخواست لکھیں۔
- یا
- چھوٹے بھائی کے نام خط لکھیں اُسے کتابوں کی اہمیت کے بارے میں بتائیں۔
- سوال-۳ درج ذیل الفاظ کی معنی لکھیں۔
- نظم و ضبط- تواضع- ولولہ- گھٹن - ٹکست
- سوال-۴ درج ذیل الفاظ کو اپنے جملوں میں استعمال کریں۔
- خطا- خدمت- گونج- صحرا- وقت
- سوال-۵ درج ذیل الفاظ کی جمع بنائیں۔
- قدم- قوم- مکان- خیال- کاغذ
- سوال-۶ درست جواب کا انتخاب کریں۔
- (i) جس نظم میں بزرگان دین کی تعریف کی جائے اُسے \_\_\_\_\_ کہتے ہیں۔
- (الف) مدح (ب) منقبت (ج) مناجات
- (ii) مکہ \_\_\_\_\_ ہجری کو فتح ہوا۔
- (الف) ۶ (ب) ۷ (ج) ۸
- (iii) علامہ اقبال کا مزار کس شہر میں واقع ہے؟
- (الف) لاہور (ب) راولپنڈی (ج) فیصل آباد
- (iv) خیبر کا قلعہ کس نے فتح کیا؟
- (الف) حضرت ابو بکرؓ (ب) حضرت عمرؓ (ج) حضرت علیؓ
- (v) پاکستانی فوج کا سب سے بڑا اعزاز کونسا ہے؟
- (الف) نشان حیدر (ب) حُسن کارکردگی (ج) تمغہ امتیاز

**Section-VI (Intelligence)**

<i>Note:-Choose the correct option and write it in Correct Option's Column.</i>										<i>Correct Option</i>	
1.	<i>What number comes next in the following series? a</i> 2413 2420 2434 2462 2518 _____										
	<i>a</i>	2631	<i>b</i>	2630	<i>c</i>	2730	<i>d</i>	2830	<i>e</i>	2635	
2.	<i>Which one is different from the rest?</i>										
	<i>a</i>	Cow	<i>b</i>	Hen	<i>c</i>	Duck	<i>d</i>	Bull	<i>e</i>	Mare	
3.	<i>If Shoe is to Foot then Helmet is to _____</i>										
	<i>a</i>	Steel	<i>b</i>	Combat	<i>c</i>	Baseball	<i>d</i>	Heavy	<i>e</i>	Head	
4.	<i>What number comes next in the following series?</i> 310 417 526 6? _____										
	<i>a</i>	25	<i>b</i>	24	<i>c</i>	26	<i>d</i>	37	<i>e</i>	29	
5.	<i>What number comes next in the following series?</i> ABCD BCDE CDEF DEFG _____										
	<i>a</i>	EFGHI	<i>b</i>	EFHG	<i>c</i>	GHEF	<i>d</i>	FGHE	<i>e</i>	EFGH	
6.	<i>What number comes next in the following series?</i> LACK----->9381and CALK----->8391thenwhatstandsforCKAL										
	<i>a</i>	8139	<i>b</i>	8319	<i>c</i>	8913	<i>d</i>	3819	<i>e</i>	8193	
7.	<i>Which one is different from the rest?</i>										
	<i>a</i>	QS	<i>b</i>	EH	<i>c</i>	IL	<i>d</i>	MP	<i>e</i>	AD	
8.	<i>If the second of the following number is added to the shortest number and divided by the third number then answer will be?</i> 2 14 4										
	<i>a</i>	2	<i>b</i>	6	<i>c</i>	4	<i>d</i>	8	<i>e</i>	10	
9.	<i>4, 8, 12, 20, _____, 52, 84, 136.</i>										
	<i>a</i>	8	<i>b</i>	36	<i>c</i>	48	<i>d</i>	32	<i>e</i>	16	
10.	<i>6, 8, 12, 18, 26, _____, 48, 62</i>										
	<i>a</i>	44	<i>b</i>	74	<i>c</i>	36	<i>d</i>	52	<i>e</i>	62	

**CADET COLLEGE GHOTKI**  
**MODEL PAPER FOR ENTRANCE TEST CLASS-IX**

**Section-I (English)**

**Q:01 Write a short essay on any one of the following.**

- (a) Education in Pakistan                      (ii) Newspaper                      (iii) Importance of Games

**Q:02 Write an application to your principal requesting him to issue you a leaving certificate.**

**OR**

**Write a letter to your elder brother inviting him on Annual Prize Distribution Ceremony.**

**Q: 03 Define any TWO of the following.**

- (i) Present Perfect Tense      (ii) Kinds of Noun      (iii) Difference between Adjective & Adverb

**Q: 04 Do as Directed. (Any Five)**

- i) He drew a map. (Change into negative)  
 ii) He has complete eighth class from The Educators. (Correct it)  
 iii) Ali has been waiting for you in this shop \_\_\_\_\_ morning. (Use since/for)  
 iv) He has \_\_\_\_\_ umbrella. (Put a / an)  
 v) Do you know him? (Change into past simple tense)  
 vi) They kidnapped him. (Change the voice)

**Q:05 MCQs**

<b>Note:- Choose the correct option and write it in Correct Option's Column.</b>								<b>Correct Option</b>
<b>1.</b>	<b>He is a better sportsman _____ my cousin.</b>							
<b>a</b>	Than	<b>b</b>	Then	<b>c</b>	Of	<b>d</b>	on	
<b>2.</b>	<b>A word that adds something to the meaning of Verb, Adjective or another Adverb _____.</b>							
<b>a</b>	Adjective	<b>b</b>	Adverb	<b>c</b>	Preposition	<b>d</b>	Interjection	
<b>3.</b>	<b>In the Past Continuous tense, we use _____</b>							
<b>a</b>	First form of verb	<b>b</b>	Second form of verb	<b>c</b>	Fourth or 'ing' form of verb	<b>d</b>	Third form of verb.	
<b>4.</b>	<b>4<sup>th</sup> or ing form of verb is also called as</b>							
<b>a</b>	Progressive form	<b>b</b>	Present participle	<b>c</b>	Both a and b	<b>d</b>	None	
<b>5.</b>	<b>Tick the correct one</b>							
<b>a</b>	I was went	<b>b</b>	I will went	<b>c</b>	I gone	<b>d</b>	I went	
<b>6.</b>	<b>Train comes on _____</b>							
<b>a</b>	Platform	<b>b</b>	Airport	<b>c</b>	Bus stand	<b>d</b>	None	
<b>7.</b>	<b>She _____ participating in debate competition</b>							
<b>a</b>	Has been	<b>b</b>	Has	<b>c</b>	Was	<b>d</b>	will	
<b>8.</b>	<b>Find out the correct spelling</b>							
<b>a</b>	applase	<b>b</b>	applause	<b>c</b>	applaus	<b>d</b>	aplause	
<b>9.</b>	<b>No one can beat you _____ you give up your idea.</b>							
<b>a</b>	until	<b>b</b>	unless	<b>c</b>	because	<b>d</b>	unless	
<b>10.</b>	<b>She died _____ T.B.</b>							
<b>a</b>	by	<b>b</b>	from	<b>c</b>	of	<b>d</b>	with	

**Section-II (Mathematics)**

**Note:** Attempt any four questions from the following

**Q: 01** If  $A=\{1,2\}$ ,  $B=\{2,3\}$  and  $C=\{4,5,6\}$  Find  $A \cup (B \cap C)$ .

**Q: 02** Add  $1010_2$  and  $1111_2$

**Q: 03** Find the square root of 16384.

**Q: 04** Find the value of  $a^2 + 3c + 4ab^3$  when  $a = 2, b = -3, c = 0$

**Q: 05** Factorize the following.

(i)  $x^2+12x+36$

(ii)  $8p^2+4p-24$

Note:- Choose the correct option.							
1.	$a^2 - b^2 = \dots\dots\dots$						
	a	$(a+b)(a-b)$	b	$(a-b)(a+b)$	c	Both	d
2.	Which one is base of the binary system?						
	a	0	b	2	c	5	d
3.	$10011_2$ in decimal system is ?						
	a	17	b	18	c	19	d
4.	Which one is subset of $W$ ?						
	a	$Z$	b	$N$	c	$Q$	d
5.	Identify the Quadratic polynomial						
	a	$xy$	b	$2a^4$	c	$x+y$	d
6.	The number of all subset of $A=\{a,e,i,o,u\}$ is _____.						
	a	8	b	16	c	32	d
7.	In the polynomial $px^2 + qx + r$ , literals are :						
	a	$P,q,r$	b	$x$	c	$q, r$	d
8.	$\sqrt{1^2 \times 4^2}=?$						
	a	4	b	14	c	41	d
9.	$(a+b)^2 = \dots\dots\dots$						
	a	$a+b$	b	$a^2+2ab+b^2$	c	both	d
10.	Which one is common in $ka + kb + kc$						
	a	$k$	b	$a$	c	$b$	d

**Section-IV (Sindhi)**

- سوال 01. هيٺين مان ڪنهن به هڪ عنوان تي سهڻي سنڌي ۽ ۾ مضمون لکو.
1. عبدالستار ايڏي 2. هاڪي راند 3. مٿالي شاگرد
- سوال 02. پنهنجي دوست ڏانهن خط لکو ته هو موسم گرما جون موڪلون اوهان وٽ اچي گذاري.
- سوال 03. هيٺ ڏنل سوال حل ڪريو.
- (i) حضرت بيبي زينب  ڪڏهن ۽ ڪٿي پيدا ٿي؟
- (ii) دنيا جو پهريون وولٽائي سيل ڪنهن ٺاهيو؟
- (iii) پاڪستان ۾ بجلي ڪهڙن ذريعن مان حاصل ڪئي وڃي ٿي؟
- (iv) اورماڙو، سمرند ڪنارو ڪهڙي صوبي ۾ آهي؟
- (v) ڪهڙيون ڪهڙيون ڳالهيون انسانيت جي خلاف آهن؟
- سوال 04. هيٺين لفظن جي معنيٰ لکو.

ديونگ	روشناس	بيباباني	دابُ	ادنيٰ
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سوال 05. درست جواب چونڊي لکو.

نوٽ: درست جواب چونڊي لکو ۽ درست جواب واري خاني ۾ لکو.	درست جواب
1. سنڌي ٻولي ننڍي کنڊ جي تمام..... ۽ شاهوڪار ٻولي آهي.	
(الف) قديم (ب) قيمتي (ج) اڻ لپ	
2. سال 712ع ۾..... سنڌ فتح ڪئي.	
(الف) عربن (ب) ارغونن (ج) انگريزن	
3. سال 883ع ڌاري قرآن پاڪ جو..... زبان ۾ ترجمو ٿيو.	
(الف) سنڌي (ب) اردو (ج) فارسي	
4. سومرن کان پوءِ..... جو دور شروع ٿيو.	
(الف) سمرن (ب) ميرن (ج) ڪلهوڙن	
5. عربن کان پوءِ..... جو دور شروع ٿيو.	
(الف) سومرن (ب) ٽالپرن (ج) مرغلن	
6. قرآن پاڪ جو پهريون لفظي ترجمو مٿياري جي آخوند..... ڪيو .	
(الف) عزيزالله ميرن (ب) قاضي قادن (ج) مرزا قليچ بيگ	
7. مرزا قليچ بيگ پهريون سنڌي اديب آهي، جيڪو سنڌ جو..... سنڌجي ٿو.	
(الف) شيڪسپيئر (ب) گوٽي (ج) ڪارلائيل	
8. گرلز گائيڊ تنظيم.....ع ۾ وجود ۾ آئي.	
(الف) 1911 (ب) 1912 (ج) 1913	
9. عبدالڪريم گداني..... ضلعي جو رهاڪو هو.	
(الف) جيڪب آباد (ب) دادو (ج) بدين	
10. شهيد الله بخش سومرو سنڌ جي جي مشهور شهر..... ۾ ڄائو.	
(الف) شڪارپور (ب) ڪراچي (ج) سيوهڻ	

### Section-V (Urdu)

- سوال-۱. مندرجہ ذیل میں سے کسی بھی ایک عنوان پر مضمون لکھیں۔  
 1. بہار کا موسم 2. قومی یکجہتی 3. میری پسندیدہ مشغلہ
- سوال-۲. پرنسپل کے نام طبیعت ناسازی کی وجہ سے ایک ہفتہ رخصت کی درخواست لکھیے۔  
 یا  
 اپنے چھوٹے بھائی کے نام خط لکھیں جس میں اُسے بُری صحبت سے بچنے کی تلقین کریں۔
- سوال-۳. درج ذیل الفاظ و محاورات کو اپنے جملوں میں استعمال کریں۔

مل جل کر ربنا	غم کھانا	اختتام	ایمان	عزت
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درج ذیل الفاظ کے متضاد لکھیں۔

بیرون	اندھیرا	تنزلی	محبت	گرم
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سوال-۳

نوٹ: درست جواب کا انتخاب کریں اور درست جواب کے خانے میں لکھیں۔	درست جواب
1. سندھ کے گورنر کا نام ..... ہے۔	
(الف) کامران ٹیسوری (ب) مراد علی شاہ (ج) عمران اسماعیل	
2. قائد اعظم محمد علی جناح کا مزار کس شہر میں واقع ہے؟	
(الف) کراچی (ب) سیالکوٹ (ج) لاہور	
3. اردو کس زبان کا لفظ ہے؟	
(الف) فارسی (ب) عربی (ج) ترکی	
4. آبادی کے لحاظ سے پاکستان کا سب سے بڑا صوبہ کون سا ہے؟	
(الف) پنجاب (ب) سندھ (ج) بلوچستان	
5. محترمہ فاطمہ جناح کس کی بمشیرہ تھی؟	
(الف) علامہ اقبال (ب) لیاقت علی خان (ج) قائد اعظم	
6. اسم معرفہ میں .... کا ذکر ہوتا ہے۔	
(الف) خاص نام (ب) عام نام (ج) بے جان	
7. دکھ کا مترادف ..... ہے۔	
(الف) سکھ (ب) تکلیف (ج) راحت	
8. 'نشان حیدر' کس ملک کا فوجی اعزاز ہے؟	
(الف) ہندوستان (ب) پاکستان (ج) افغانستان	
9. خزاں کا متضاد ..... ہے۔	
(الف) بہار (ب) سرما (ج) گرما	
10. کامیابی حاصل کرنے کے لیے ..... ضروری ہے۔	
(الف) وقت پر کام کرنا (ب) کھیلنا (ج) آرام کرنا	

**Section-III (General Knowledge /Intelligence / General Science)**

Note:- Choose the correct option and write it in Correct Option's Column.							Correct Option
1.	Aligarh movement was started by _____.						
	a	Sir Syed Ahmed Khan	b	Allama Iqbal	c	Shah Waliullah	
2.	'Cholistan Desert' is situated at _____.						
	a	Sindh	b	KPK	c	Punjab	
3.	Hafeez Jalhandrhri, writer of the National Anthem, is buried at _____.						
	a	Lahore	b	Islamabad	c	Karachi	
4.	'NASA' is a _____.						
	a	Hospital	b	Spacecraft	c	Space Agency of USA	
5.	Pakistan Military Academy (PMA) is situated at _____.						
	a	Baluchistan	b	KPK	c	Punjab	
6.	'Heart of Quran' is Surah _____.						
	a	Al-Kausar	b	Yaseen	c	Al-Rehman	
7.	_____ is current Finance Minister of Pakistan.						
	a	Sherry Rehman	b	Ishaq Daar	c	Ahsan Iqbal	
8.	Headquarters of Organization of Islamic Cooperation (OIC) is located at _____.						
	a	Egypt	b	Saudi Arabia	c	Iran	
9.	The angels who record every deed of Humanbeing are called _____.						
	a	Munkar Naqeer	b	Karaman Kaatibeen	c	Meekaa'l (A.S)	
10.	_____ is the official name of Pakistan.						
	a	Republic of Pakistan	b	Islamic Country Pakistan	c	Islamic Republic of Pakistan	

**Section-III (General Science)**

Note:- Choose the correct option and write it in Correct Option's Column.							Correct Option
1.	Which one of the following substances traps sunlight?						
	(a)	Cellulose	(b)	Chlorophyll	(c)	Cytoplasm	
2.	Which of the following is unicellular organism?						
	(a)	Bacteria	(b)	Fungi	(c)	Coconut Tree	
3.	During night plants give out more:						
	(a)	Carbondioxide	(b)	Oxygen	(c)	Water	
4.	A mass of 4 kg is equal to						
	(a)	400g	(b)	40g	(c)	4000g	
5.	The smallest possible particle of an element is called:						
	(a)	Compound	(b)	Molecule	(c)	Atom	
6.	Unit of Force is _____.						
	(a)	Newton	(b)	Meter	(c)	Second	
7.	Which of the following is sodium chloride?						
	(a)	Nacl	(b)	Kcl	(c)	Hcl	
8.	An example of kinetic energy would be:						
	(a)	A moving car	(b)	A person reading the book	(c)	A stretched spring	
9.	The chemical symbol for manganese:						
	(a)	Mn	(b)	Mo	(c)	Ma	
10.	How many senses are there in Human beings?						
	(a)	2	(b)	3	(c)	4	



**Section-III (Intelligence)**

<i>Note:- Choose the correct option and write it in Correct Option's Column.</i>							<b>Correct Option</b>
1.	<b>France : Euro :: Canada: ?</b>						
	<i>a</i>	<i>Rand</i>	<i>b</i>	<i>Dollar</i>	<i>c</i>	<i>Pound</i>	
2.	<b>Mirror: Reflection :: Water ?</b>						
	<i>a</i>	<i>Refraction</i>	<i>b</i>	<i>Immersion</i>	<i>c</i>	<i>Dispersion</i>	
3.	<b>Restaurant: Menu</b>						
	<i>a</i>	<i>Library: Catalogue</i>	<i>b</i>	<i>Journal: Newspaper</i>	<i>c</i>	<i>College: Account</i>	
4.	<b>Light: Darkness</b>						
	<i>a</i>	<i>Sanity: Madness</i>	<i>b</i>	<i>Medicine: Patient</i>	<i>c</i>	<i>Anger: Friendship</i>	
5.	<b>AC: EG</b>						
	<i>a</i>	<i>PR:TU</i>	<i>b</i>	<i>PR:ST</i>	<i>c</i>	<i>PR:TV</i>	
6.	<b>If 12965:56921 then 29813: ?</b>						
	<i>a</i>	<i>31892</i>	<i>b</i>	<i>31829</i>	<i>c</i>	<i>38129</i>	
7.	<b>A45:C54, P89:R98, J72: ?</b>						
	<i>a</i>	<i>27L</i>	<i>b</i>	<i>L27</i>	<i>c</i>	<i>L72</i>	
8.	<b>A, C, F, J, _____?</b>						
	<i>a</i>	<i>P</i>	<i>b</i>	<i>N</i>	<i>c</i>	<i>O</i>	
9.	<b>4,9,16,25, _____?</b>						
	<i>a</i>	<i>32</i>	<i>b</i>	<i>42</i>	<i>c</i>	<i>55</i>	
10.	<b>4,6,9,13, _____?</b>						
	<i>a</i>	<i>18</i>	<i>b</i>	<i>17</i>	<i>c</i>	<i>16</i>	

**CADET COLLEGE GHOTKI**  
**MODEL PAPER FOR ENTRANCE TEST CLASS-XI**

**Section-I (English)**

**Q:01** Write an essay on any one of the following

- (a) Village Life is better than city life      (b) Patriotism      (c) A Football Match

**Q:02** Write an application to your principal requesting him to grant your leave for one week.

**OR**

Write a letter to your brother inviting him to attend Annual Parents Day.

**Q:03** Write down the Synonyms of the following words (Any Ten).

Harmful		Obesity		Addictive	
Disguise		Dispute		Resolve	
Mingle		Cross		Menial	
Discrimination		Fetch		Inspire	

**Q:04** Do as Directed.

- i) She cooks the meal. (Change into Past Indefinite Tense)
- ii) John played Squash yesterday. (Change into Interrogative)
- iii) This is the house \_\_\_\_ Jameel built. (Put suitable relative pronoun)
- iv) If your wear dark clothes you \_\_\_\_ your eyes. (Protect) (Put suitable verb form)
- v) I agree \_\_\_\_ you. (Use preposition)

**Q:05** MCQs

Note:- Choose the correct option and write it in Correct Option's Column.					Correct Option			
1.	Be careful when you walk ____ the street. You may encounter stray dogs there.							
	a	Though	b	Above	c	Across	d	up
2.	While waiting of for my train, I took a walk ____ the station.							
	a	on	b	around	c	onto	d	in
3.	The poachers go ____ the forest to hunt animals for their hide.							
	a	on	b	through	c	in	d	over
4.	The door was locked, so I shoved the letter ____ the door.							
	a	around	b	under	c	on	d	into
5.	The festival ____ lasted all day, ended with a banquet.							
	a	that	b	who	c	which	d	what
6.	I am looking for someone ____ can watch my dog while I go on vacation.							
	a	which	b	who	c	whom	d	that
7.	The police needed details ____ could help identify the robber.							
	a	who	b	whatever	c	that	d	what
8.	Ali respects my brother, ____ is senior to him.							
	a	whose	b	who	c	whom	d	that
9.	This is the pen ____ I gifted him.							
	a	whose	b	who	c	whom	d	that
10.	Let's go for a walk ____ the shop to buy some grocery							
	a	to	b	past	c	around	d	N.O.T

**Section-II (Mathematics)**

**Note:** Attempt any four questions from the following

**Q: 01** If  $A = \{1, 3, 5, 7, 9\}$  and  $B = \{5, 6, 7, 8\}$  and  $U = \{1, 2, 3, \dots, 10\}$  then prove that  $(A \cup B)' = A' \cap B'$

**Q: 02** If  $\begin{bmatrix} a & b \\ c & d \end{bmatrix} + \begin{bmatrix} 3 & -1 \\ 1 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$  then find  $a, b, c$  and  $d$

**Q: 03** Resolve  $\frac{11-3x}{(x-1)(x+3)}$  into partial fractions.

**Q: 04** Prove  $\tan\theta = \sin\theta\sqrt{1 + \tan^2\theta}$

**Q: 05** Find  $\theta$ , if  $l=20\text{cm}$  and  $r=5\text{cm}$

<b>Note:- Choose the correct option and write it in Correct Option's Column.</b>							<b>Correct Option</b>
1.	If $A = \{1, 2, 3, 4\}$ and $B = \{2, 4, 6\}$ then $A \Delta B =$						
	a	{1,3}	b	{6}	c	{1,3,6}	
2.	Which operation is not commutative _____.						
	a	Symmetric difference	b	Union	c	Difference	
3.	Which one is always is bijective _____.						
	a	Onto function	b	One-one function	c	Into function	
4.	For matrix $A$ , $(A^{-1})^{-1}$						
	a	$A$	b	$-A$	c	$A^{-1}$	
5.	The quadratic equation whose roots are complex cube roots						
	a	$x^2 - x - 1 = 0$	b	$x^2 - x + 1 = 0$	c	$x^2 + x + 1 = 0$	
6.	The sum of central angles of all the arcs of a circle is _____						
	a	$180^\circ$	b	$360^\circ$	c	$300^\circ$	
7.	The system of measurement in which angle is measured in radian is called						
	a	CGS system	b	Sexagesimal	c	MKS system	
8.	$10^0 =$ _____						
	a	$600''$	b	$3600''$	c	$600'$	
9.	$\sin^2\theta + \cos^2\theta =$ _____.						
	A	2	b	-2	c	1	
10.	$\tan\theta\cot\theta =$ _____.						
	A	2	b	-2	c	1	

## Section-II (Biology)

**Note:** Attempt any four questions from the following

**Q: 01** Define cell and how cell was discovered?

**Q: 02** Define following terms:

(i) Digestion      (ii) Breathing

**Q: 03** What is pollution?

**Q: 04** Differentiate between photosynthesis and respiration.

**Q: 05** Write five functions of Endoskeleton.

<b>Note:- Choose the correct option and write it in Correct Option's Column.</b>							<b>Correct Option</b>	
1	<b>Digestive system is an example of _____.</b>							
	a	Tissue System	b	Organ System	c	Cells System	d	Cell
2	<b>Deficiency of vitamin – K cause</b>							
	a	Rickets	b	Anemia	c	Scurvy	d	Beriberi
3	<b>Which is an example of organelle?</b>							
	a	Mitochondria	b	Protoplasm	c	Cytoplasm	d	Cell
4	<b>The sexual organ of plant is _____.</b>							
	a	Flower	b	Fruit	c	Seed	d	Leaf
5	<b>Total number of bio element is _____.</b>							
	a	16	b	14	c	15	d	12
6	<b>The movement of organic materials (Food) take place through.</b>							
	a	Xylem	b	Vessels	c	Tracheid	d	Phloem
7	<b>The area where living organism interact with non living components of the environment are called ____.</b>							
	a	Population	b	Community	c	Ecosystem	d	Species
8	<b>Which of these are involved in the clotting of blood?</b>							
	a	Platelets	b	Hemoglobin	c	Albumin	d	Globulin
9	<b>In Human heart blood returning from lungs first drains into the.</b>							
	a	Left atrium	b	Left ventricle	c	Right Atrium	d	Right Ventricle
10	<b>Unicellular is _____.</b>							
	a	Rabbit	b	Euglena	c	Horse	d	Frog

**Section-III (Chemistry & Physics)**

**Note:** *Attempt any two questions from each subject.*

**Chemistry**

**Q: 01** *Differentiate between saturated and unsaturated compound hydrocarbons.*

**Q: 02** *Describe vitamins and types of vitamins.*

**Q: 03** *Define any two of the followings.*

- (i) *Hard and soft water*      (ii) *Vital force theory*      (iii) *Neutralization Reaction*

**Physics**

**Q: 01** *State Coulomb's law and define the unit of charge?*

**Q: 02** *Define motion and its types.*

**Q: 03** *What is ripple tank?*

<i>Note:- Choose the correct option and write it in Correct Option's Column.</i>							<i>Correct Option</i>
1.	<i>The study of properties of charges in rest and motion is called?</i>						
	<i>a</i>	<i>Electricity</i>	<i>b</i>	<i>Mechanics</i>	<i>c</i>	<i>Magnetism</i>	<i>d</i>
2.	<i>The least count of micrometer screw gauge is?</i>						
	<i>a</i>	<i>0.01mm</i>	<i>b</i>	<i>0.1mm</i>	<i>c</i>	<i>1mm</i>	<i>d</i>
3.	<i>What is a S.I unit of velocity?</i>						
	<i>a</i>	<i>Meter</i>	<i>b</i>	<i>Second</i>	<i>c</i>	<i>Meter/second</i>	<i>d</i>
4.	<i>Which one is a vector quantity?</i>						
	<i>a</i>	<i>Mass</i>	<i>b</i>	<i>Weight</i>	<i>c</i>	<i>Time</i>	<i>d</i>
5.	<i>Which type of wave cannot travel in vacuum?</i>						
	<i>a</i>	<i>Sound wave</i>	<i>b</i>	<i>Radio wave</i>	<i>c</i>	<i>Micro wave</i>	<i>d</i>
6.	<i>The fundamental unit of length is S.I units is .....?</i>						
	<i>a</i>	<i>Meter</i>	<i>b</i>	<i>Kilometer</i>	<i>c</i>	<i>Yard</i>	<i>d</i>
7.	<i>10<sup>9</sup> shows .....</i>						
	<i>a</i>	<i>Mega</i>	<i>b</i>	<i>Giga</i>	<i>c</i>	<i>Kilo</i>	<i>d</i>
8.	<i>The value of g is?</i>						
	<i>a</i>	<i>6.8m/sec<sup>2</sup></i>	<i>b</i>	<i>7.8m/sec<sup>2</sup></i>	<i>c</i>	<i>8.8m/sec<sup>2</sup></i>	<i>d</i>
9.	<i>The units of time , mass and length are:</i>						
	<i>a</i>	<i>Fundamental Units</i>	<i>b</i>	<i>Derived Units</i>	<i>c</i>	<i>Supplementary Units</i>	<i>d</i>
10.	<i>The distance between mean position and extreme position is called</i>						
	<i>a</i>	<i>Displacement</i>	<i>B</i>	<i>Amplitude</i>	<i>C</i>	<i>equilibrium</i>	<i>d</i>

**Section-IV (Sindhi)**

- نوٽ : هيٺيان سڀئي سوال حل ڪريو.
- سوال 01: هيٺين مان ڪنهن به هڪ عنوان تي سهڻي سنڌي ۽ ۾ مضمون لکو.
1. علم وڌي دولت آهي 2. ڪمپيوٽر 3. چانڊوڪي رات
- سوال 02: پنهنجي ننڍي پيءُ ڏانهن خط لکي ، کيس پڙهائيءَ ۾ ڏيان ڏيڻ جو تاڪيد ڪريو.
- سوال 03: هيٺ ڏنل سوال حل ڪريو.
- (i) سچل سرمست ڪڏهن ۽ ڪٿي ڄائو؟
- (ii) ڪلهوڙن جي آخري دور ۾ نصرپور ۾ ڪنهن ڦرلٽ ڪئي؟
- (iii) ڪينجهر ڀنڊ تي اهو نالو ڪيئن پيو؟
- (iv) نوريءَ جي قبر ڪٿي آهي؟
- (v) سنڌ جي ثقافت جي اهم سوکڙي ڪهڙي آهي؟
- سوال 04: هيٺين لفظن جي معنيٰ لکو.

اُهيڃاڻ	ڏيساور	دانمري	تڪرار	ڳڻتي
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**سوال 05: درست جواب چونڊي لکو.**

نوٽ: درست جواب چونڊي لکو ۽ درست جواب واري خاني ۾ لکو.	درست جواب
1. آءُ اڄوڪي ڏينهن.....جي سمورين رسمن کي پنهنجي پيرن هيٺان لتاڙيان ٿو.	(الف) جاهليت (ب) گمراهي (ج) پراڻي
2. عورتن جي معاملي ۾.....بچندا رهو.	(الف) خداوند تعاليٰ (ب) رشتيدارن (ج) نبين
3. مومن عزت وارو ۽.....ذليل آهي .	(الف) فاجر (ب) فاسق (ج) ڪافر
4. نبي ڪريم ﷺ جن اٽڪل هڪ لک.....مسلمانن جي جماعت سان آخري حج ادا ڪيو.	(الف) 24 هزار (ب) 44 هزار (ج) 20 هزار
5. سندس پنهني ڪنهن جي وچ تي نبوت جي.....هوندي .	(الف) مهر (ب) نشاني (ج) لڪير
6. حضرت امام جعفر صادق □ وقت جا وڏا عالم ۽.....هئا.	(الف) فقيه (ب) مولوي (ج) سخي
7. اهو لفظ آهي جيڪو جملي ۾ اسم جي بدران ڪم اچي.	(الف) ضمير (ب) فعل (ج) ظرف
8. اهو لفظ آهي جيڪو سڌ ڪرڻ جي ڪم اچي يا ان مان ڪا حالت ظاهر ٿئي.	(الف) حرف ندا (ب) حرف جملو (ج) حرف جر
9. قوم کي اتحاد، تنظيم ، يقين محڪم ۽.....ضرورت آهي.	(الف) عمل پيهم (ب) قوت فيصلا (ج) قوت ارادي
10. قومن جي ترقي ۽ تنزل، ڪمال ۽ زوال جو دارومدار.....تي آهي.	(الف) اتحاد (ب) نظم و ضبط (ج) يقين و محڪم

**Section-V (Urdu)**

- سوال 1- مندرجہ ذیل میں سے کسی بھی ایک عنوان پر مضمون لکھیں ۔
- 1- شجر کاری مہم 2- سائنس رحمت یا زحمت 3- کتب خانوں کی اہمیت
- سوال 2- پرنسپل کے نام موہن جو دڙو کے مطالعاتی دورے کے لیے درخواست لکھیں ۔

اپنے بھائی کے نام خط لکھیں جس میں اسے وقت کی پابندی کرنے کی تلقین کریں۔  
درج ذیل الفاظ و محاورات کو اپنے جملوں میں استعمال کریں۔

سوال-۳

شرمندہ	خیانت	
اعزاز	لاجواب کر دینا	
رسم	--	--

سوال-۳

درج ذیل الفاظ کے متضاد لکھیں۔

اندرون	آباد	
أجالا	حامي	
ترقی	--	--

نوٹ: درست جواب کا انتخاب کریں اور درست جواب کے خانے میں لکھیں۔		درست جواب	
1.	فتح مکہ ..... ہجری میں ہوئی۔	(الف)	۸
		(ب)	۹
2.	عید الاضحیٰ کس نبی کی یادگار ہے؟	(الف)	حضرت ابراہیمؑ
		(ب)	حضرت اسماعیلؑ
3.	اردو کس زبان کا لفظ ہے؟	(الف)	فارسی
		(ب)	عربی
4.	آبادی کے لحاظ سے پاکستان کا سب سے بڑا صوبہ کون سا ہے؟	(الف)	پنجاب
		(ب)	سندھ
5.	کلیم اللہ کس نبی کا لقب ہے؟	(الف)	حضرت ابراہیمؑ
		(ب)	حضرت محمد مصطفیٰ ﷺ
6.	اسم معرفہ میں .... کا ذکر ہوتا ہے۔	(الف)	خاص نام
		(ب)	عام نام
7.	پاکستان کے موجودہ آرمی چیف کا نام کیا ہے؟	(الف)	جنرل قمر جاوید باجوہ
		(ب)	جنرل عاصم منیر
8.	'علم' کی جمع ..... ہے۔	(الف)	علام
		(ب)	علوم
9.	'زوال' کی ضد ..... ہے۔	(الف)	عروج
		(ب)	پستی
10.	کسے نظم یا غزل کے آخری شعر کو ..... کہا جاتا ہے۔	(الف)	مقطع
		(ب)	مصرع ثانی
		(ج)	مطلع

Please write **Name, Telephone/Mobile Number and Postal Address** in full in each of the spaces given below  
These slips will be used for correspondence to the parents.

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone / Mobile: \_\_\_\_\_  
City \_\_\_\_\_ Distt \_\_\_\_\_

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone / Mobile: \_\_\_\_\_  
City \_\_\_\_\_ Distt \_\_\_\_\_

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone / Mobile: \_\_\_\_\_  
City \_\_\_\_\_ Distt \_\_\_\_\_

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone / Mobile: \_\_\_\_\_  
City \_\_\_\_\_ Distt \_\_\_\_\_

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone / Mobile: \_\_\_\_\_  
City \_\_\_\_\_ Distt \_\_\_\_\_

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone / Mobile: \_\_\_\_\_  
City \_\_\_\_\_ Distt \_\_\_\_\_

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone / Mobile: \_\_\_\_\_  
City \_\_\_\_\_ Distt \_\_\_\_\_

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone / Mobile: \_\_\_\_\_  
City \_\_\_\_\_ Distt \_\_\_\_\_



# کیڈٹ کالج گھوٹکی کا ترانہ

ملت کی ناؤ کے کھیون ہار بھی ہیں  
مستقبل کے رہنما، معمار بھی ہیں

مانند دطن کالج ہمیں ہے جان سے پیارا  
ہو امن و آشتی سے معمور یہ گہوارہ

اساتذہ ہمارے مینارۂ ہدایت ہیں  
یہ اہل علم ہیں اور صاحب بصیرت ہیں

ہر فرد یہاں مانند ایک گوہر ہے  
وہ خاکروب ہے، مالی ہے یا کہ افسر ہے

حرمتِ وطن پر ہر ہم دل سے کٹ مرے گے  
اے درسگاہ عالی بلند تیرا نشان کریں گے

کیڈٹ کالج گھوٹکی کے شاہین ہیں ہم  
علم کے شیدا، فدائے دین ہیں ہم

کیڈٹ کالج گھوٹکی کے شاہین ہیں ہم  
کیڈٹ کالج گھوٹکی کے شاہین ہیں ہم

کیڈٹ کالج گھوٹکی کے شاہین ہیں ہم  
جذبہء حب الوطنی سے سرشار ہیں ہم

ایمان، اتحاد اور محکم یقین ہیں ہم  
نظم و ضبط میں لائق صد آفرین ہیں ہم

کاوشوں سے ان کی فتیاب ہیں ہم  
کوئی نہیں ہم سا نایاب ہیں ہم

مل کے چار چاند اس کالج کو لگائیں گے ہم  
ساری دنیا میں اس کا لوہا منوائیں گے ہم

علم و ہنر کے چمن کی تزئین ہیں ہم  
جہد و عمل کی ایمانی تمرین ہیں ہم



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