

# RUSTAMJI INSTITUTE OF TECHNOLOGY

BSF Academy, Tekanpur, Gwalior – 475 005 (M.P.)

Tel.:- (07524) 274319, Fax (07524) 274320 e mail : rjit\_bsft@yahoo.com

No.1236/RJIT/Admission-MCA/2010/ 377

Dated 30 April 2010

To,

IG (Admn.) BSF HQ, New Delhi,  
IG (Admn.) IG (Wel) CRPF, HQ, New Delhi,  
IG (Admn.) IG (Wel) ITBP, HQ, New Delhi,  
IG (Admn.) IG (Wel) CISF, HQ, New Delhi,  
IG (Admn.) SSB, HQ, New Delhi,  
Addl DG BSF (East) & West,  
All BSF Frontiers HQ,  
All BSF Sectors HQ,  
All BSF Training Institutions,

Sub.:- **ADMISSION TO M.C.A. COURSE.**

Sir,

Rustamji Institute of Technology, (RJIT) has been conducting 3 years Full time M.C.A. Course under the affiliation of Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal, is approved by All India Council for Technical Education (AICTE) New Delhi and Director of Technical Education (DTE) M.P. Bhopal since 2000.

2. 16 Seats for BSF serving/retired/deceased on duty personnel's wards and 04 seats for serving/deceased on duty CRPF, ITBP,SSB & CISF personnel's wards are available. **Fee structure is open for revision in future as per the directions of Bhopal, AFRC Bhopal and BOG, RJIT, BSF Academy.** The details of present Annual Fee structure is as follows and is likely to be increased:-

S. No.	Nature of Fees	Wards of M.P. Quota & CRPF/ITBP/CISF/SSB	Wards of BSF			
			Officers	SO's	OR's	Widow
1	Tuition Fee	24100	24100	24100	18075	12050
2	Misc Activities	1500	1500	1500	1500	1500
3	Library Fee	600	600	600	600	600
4	College Magazine	100	100	100	100	100
5	Cultural activities	240	240	240	240	240
6	Computer fee	1000	1000	1000	1000	1000
7	Development fee	2500	2500	2500	2500	2500
8	Caution Money	1500	1500	1500	1500	1500
9	(Refundable) Admission Fee	1000	1000	1000	1000	1000
10	Counseling Fee*	500	500	500	500	500
11	Sports Fee*	150	150	150	150	150
12	University Dev. Fee*	350	350	350	350	350
13	Book Bank	325	325	325	325	325
14	Trg & Placement Fee	1000	1000	1000	1000	1000
15	Enrollment fee#					
	<b>Total</b>	<b>34865</b>	<b>34865</b>	<b>34865</b>	<b>28840</b>	<b>22815</b>

\* Remitted to University (RGPV, Bhopal)

# As applicable at the time of admission

03. An Entrance Test will be conducted under the guidance and supervision of RGPV, AICTE and Director of Technical Education (M.P.) at RJIT, BSF Tekanpur only.
04. (a) **Last date of receipt of filled application forms at the office : 30 June 2010 of the Principal, RJIT, BSF Tekanpur.**  
 (b) **Date of Entrance Test : 29 July 2010 at 0900 hrs.**
05. **Eligibility:-** Candidate should be a graduate of any UGC/AICTE approved Indian University or from a foreign University recognized by Association of Indian Universities (AIU) or Institute recognized by the concerned University as equivalent thereto. The Bachelor's degree must be of minimum three years duration in any discipline with Mathematics as compulsory or an additional subject at either Higher Secondary (10+2) or at Graduation level. Candidates with Bachelor or Computer Applications (B.C.A.) degree of minimum three years duration all also eligible for admission. Candidates are required to fill the application form attached with this letter.  
**Note:-** Candidates in the final year of any degree examination can also appear in the BSF Entrance Test-2009 on provisional basis. But such a candidate shall have to produce the original certificate of having passed/mark sheet of the final year of the degree examination at the time of counseling.
06. Wards (Sons & daughters) of only those BSF/CPOs personnel are eligible, who are getting their pay/pension out of Govt Exchequer.
07. The Entrance Test fee is Rs. **300/- (non refundable)** except for the wards of BSF widows for whom the Entrance Test fee is Rs. **100/- (non refundable)** only. The amount can be sent in the form of :-  
 A Demand draft drawn in favour of **Principal RJIT payable at State Bank of India (Code No. 8284) BSF Academy, Tekanpur Gwalior (M.P.)**
08. Photocopy of the following certificates are to be attached with the application form :-  
 (a) Date of Birth certificate.  
 (b) 10+2 Pass Mark sheet/ appeared certificate.  
 (c) Father's service certificate issued by competent authority of concerned department. Retired person also produce Relationship certificate by the concerned department mentioning Real Son/Daughter in respect of his ward.  
 (d) Character certificate.  
 (e) Two self addressed envelopes with stamp of Rs. 5.00 on each.  
 (f) Filled admit card for Entrance Test.  
 (g) Three number coloured Pass Port Size (front sided) photographs.  
 (h) Necessary Bank Draft/Indian Postal Order (Application without requisite Bank Draft/ Indian Postal Order, shall not be entertained)
09. Candidates who are found eligible for admission to MCA will be required to pay full fees on the day of admission i.e. **30 July 2010**. The amount deposited in cash/ Demand draft drawn in favour of Principal RJIT payable at UCO Bank (Code No. 0688) or State Bank of India (Code No. 8284) BSF Academy, Tekanpur Gwalior (M.P.).
10. Limited Hostel facility for Boys and Girls is available. Hostel allotment will be as per the Hostel Policy. Boys/Girls candidates who get the Hostel accommodation will be required to pay the Hostel charges separately.
11. Bus facility from Gwalior to Tekanpur and back is available.
12. All Units/HQrs are requested to circulate the contents of this letter down up to BOP/Sub Unit level by 15 May 2010.
13. This application Form is also available on line at RJIT website **www.rjit.org**.
14. In case of non receipt of Admit Card till 20 July 2010, duplicate Admit Card will be issued on 28 July 2010 on producing the proof of DD/Mailing alongwith three passport size photographs.
15. For all types of query, applicant/guardian are advised to contact Adm Officer, RJIT at Phone No. 07524-274319 & Mob No. 09425308824.

(KUNAL MAZUMDAR)  
 PRINCIPAL  
 RJIT,BSF Tekanpur

Encl.: - 1. Application Form  
 2. Admit Card

# RUSTAMJI INSTITUTE OF TECHNOLOGY

(Affiliated to Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal,  
Approved by All India Council for Technical Education, New Delhi &  
Recognized by Directorate Technical Education, M.P. Bhopal)  
BSF Academy, Tekanpur, Gwalior – 475 005 (M.P.)

Tel.:- (07524) 274319, Fax (07524) 274320 e mail : rjit\_bsft@yahoo.com

## APPLICATION FORM FOR M.C.A. ENTRANCE TEST-2010 (BSF/CPO's WARDS ONLY)

1. **Name in Full**  
(In Block Letters)  
(As per 12<sup>th</sup> Mark sheet)
- |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
2. **Father's Name**  
(In Block Letters)
- |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
3. **Mother's Name**  
(In Block Letters)
- |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
4. **Contact No.**  
(Telephone No.)  
(Mob No.)
- |  |   |   |   |   |  |  |  |   |   |   |  |  |   |   |   |   |  |  |  |
|--|---|---|---|---|--|--|--|---|---|---|--|--|---|---|---|---|--|--|--|
|  |   |   |   |   |  |  |  |   |   |   |  |  |   |   |   |   |  |  |  |
|  | W | I | T | H |  |  |  | S | T | D |  |  | C | O | D | E |  |  |  |
|  |   |   |   |   |  |  |  |   |   |   |  |  |   |   |   |   |  |  |  |
5. **Unit** \_\_\_\_\_
6. **Category** Wards of Officers/SO's/OR's/Widows  
(only BSF wards)
7. **Organization** \_\_\_\_\_  
(BSF/CPO's)
8. **Date of Birth**
- |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| D | D | M | M | Y | Y | Y | Y |
|   |   |   |   |   |   |   |   |
9. **Nationality** \_\_\_\_\_
10. **Sex**
- |           |      |        |
|-----------|------|--------|
| Tick<br>√ | Male | Female |
|           |      |        |

Affix your recent passport size colour photograph attested by Gazedsted Officer

### 11. Academic Qualifications (Class 10<sup>th</sup> Onwards)

Examination Passed	School/College	Board	Subject	Year of Passing	Percentage of Marks

### 12. Details of Bank Draft/IPO/Cash Receipts

Branch	Draft/IPO Number	Draft/IPO Date	Amount
			300/- / 100/-

Note : Draft for Rs. 300/- (Rs. 100/- in the case of Widows Wards ) in favour of Principal, RJIT, payable at SBI, Tekanpur only be enclosed.

**13. Postal Address for Correspondence**

P	H	O	N	E		N	O.												

**14. Permanent Address**

P	H	O	N	E		N	O.												

**15. Address where parent serving**

P	H	O	N	E		N	O.												

16. Whether your real Brother/Sister is already studying in/passed out from RJIT. (Yes/ No) If so give details :-  
 (Name \_\_\_\_\_ S/o \_\_\_\_\_ MCA/ BE  
 (Automobile Engg./ Electronics/ Information Technology) (Sem \_\_ Year of passing \_\_)

17. **Certificate from Head of the Institute/College/School**  
 (for candidates who have appeared for the qualifying examination and the result is awaited)

This is to certify that Mr/Ms \_\_\_\_\_ is/ was a student of this institute in the academic year \_\_\_\_\_ and has appeared for \_\_\_\_\_ Examination under \_\_\_\_\_ Board/University as a regular/private candidate.

Seal of the Institute

Signature \_\_\_\_\_  
 Designation \_\_\_\_\_

**18. Declaration by the applicant**

I hereby declare that all the particulars given in the application and the enclosures are true to the best of my knowledge and belief. If any of the particulars are found incorrect, my candidature may be cancelled.

I hereby undertake to be present with all the requisite original documents at the time of counselling.

Countersigned by Father/Guardian

Signature of the applicant

**19. CERTIFICATE BY THE UNIT COMDT.**

This is to certify that No. \_\_\_\_\_ Rank \_\_\_\_\_ Name \_\_\_\_\_ whose son/daughter (real Son/Daughter only) is appearing for this test is a regular employee of BSF/CPO's having joined the force on \_\_\_\_\_.

**(Note :- Certificate by the Comdt. should only be issued in respect of real Son/ Daughter)**

Office Seal

Commandant

Place :

Date :

**RUSTAMJI INSTITUTE OF TECHNOLOGY,  
BSF ACADEMY, TEKANPUR GWALIOR (M.P.)  
ADMIT CARD**

**(To be filled by the Candidate)**

**TEST** : **M.C.A. Entrance Test - 2010**  
CANDIDATE'S NAME : \_\_\_\_\_  
FATHER'S NAME : \_\_\_\_\_  
ADDRESS : \_\_\_\_\_  
\_\_\_\_\_ Pin code \_\_\_\_\_  
CONTACT NO. : (Mob) \_\_\_\_\_  
Phone \_\_\_\_\_  
(with STD Code)

Affix your recent  
passport size  
colour  
photograph  
attested by a  
Gazetted Officer

(Signature of the candidate)

-----  
(Not to be filled in by the Candidate)

Roll No. : \_\_\_\_\_  
TEST CENTRE : RJIT, BSF, Academy, Tekanpur Gwalior (M.P.)  
DATE OF ENTRANCE TEST : **29 July 2010 (Thursday)**  
REPORTING TIME : at 0900 hrs.

**RUSTAMJI INSTITUTE OF TECHNOLOGY,  
BSF ACADEMY, TEKANPUR GWALIOR (M.P.)  
ADMIT CARD**

**(To be filled by the Candidate)**

**TEST** : **M.C.A. Entrance Test - 2010**  
CANDIDATE'S NAME : \_\_\_\_\_  
FATHER'S NAME : \_\_\_\_\_  
ADDRESS : \_\_\_\_\_  
\_\_\_\_\_ Pin code \_\_\_\_\_  
CONTACT NO. : (Mob) \_\_\_\_\_  
Phone \_\_\_\_\_  
(with STD Code)

Affix your recent  
passport size  
colour  
photograph  
attested by a  
Gazetted Officer

(Signature of the candidate)

-----  
(Not to be filled in by the Candidate)

Roll No. : \_\_\_\_\_  
TEST CENTRE : RJIT, BSF, Academy, Tekanpur Gwalior (M.P.)  
DATE OF ENTRANCE TEST : **29 July 2010 (Thursday)**  
REPORTING TIME : at 0900 hrs.

## GENERAL INSTRUCTIONS

The following original documents (alongwith two sets of Xerox copy and one or more sets of Xerox copies should be kept with the candidate for future requirement) are to be submitted at the time of Counselling i.e. **30 July 2010**, in case you qualify in the entrance test.

- (a) 10+2 Pass Marksheet (for B.E.)/Graduation Marksheet (for MCA)
- (b) Migration Certificate
- (c) School Leaving Certificate/College Leaving Certificate (T.C.)
- (d) Date of Birth Certificate
- (e) Father's service certificate issued by competent authority of concerned department. Retired person also produce Relationship certificate by the concerned department mentioning Real Son/Daughter in respect of his ward.
- (f) Character Certificate
- (g) Gap Certificate for discontinuity in Education (Affidavit).
- (h) Fees to be deposited on the day of admission i.e. **30 July 2010, for B.E.** (Officers, SO's, & CPO's Rs. 33,065/-) OR's Rs. 27,490/-, & Widows Rs. 21,915/-) **for MCA** (Officers, SO's, & CPO's Rs. 34,865/-) OR's Rs. 28,840/- & Widows Rs. 22,815/-) The amount deposit cash/ Demand draft drawn in favour of Principal RJIT payable at State Bank of India (Code No. 8284) BSF Academy, Tekanpur Gwalior (M.P.). Fees structure is likely to be increased.
- (i) Hostel facility will be available (on paying Hostel Rent Rs. 6,000/-, Hostel Caution Money Rs. 1000/- & Messing for 12 months according to Tenders will be charged separately).

### **PRE MCA 2010 SYLLABUS**

#### **ALGEBRA :**

Solution of simultaneous equations, Binomial theorem, logarithmic and exponential series, Determinant and its properties, matrices, addition and multiplication of matrices, computation of inverse of matrix.

#### **CO-ORDINATE GEOMETRY :**

Circle, Tangent, orthogonal circles, coaxial system of circles, parabola, ellipse and hyperbola, their equations in standard form and simple properties.

#### **DIFFERENTIAL AND INTEGRAL CALCULUS :**

Differentiation of algebraic, exponential and logarithmic functions. Application to Simple problems, maxima and minima, partial differentiation of function of two variables. integration by parts, definite integrals and their properties, Area, Volume and surfaces (of simple curves), Trapezoidal rule, Simpson's rule.

#### **DIFFERENTIAL AND DIFFERENCE EQUATIONS :**

Linear differential equations of first order, difference equations of first order.

#### **STATISTICS :**

Theory of Probability, averages, dispersion and standard deviation, coefficient of variation, skewness and coefficient of skewness, coefficient of correlation, interpolation, index number their importance, time series, fitting of curves, Method of least squares, Binomial, poisson and normal distributions.

#### **COMPUTER SCIENCE :**

Basic concepts of Computer organizations, Number Systems, Elementary programming in Basic.

#### **LOGICAL AND NUMERICAL ABILITY :**

Simple questions to test numerical, analytical and logical ability of the candidates.