Rajasthan Ganita Parishad

Head Office: Department of Mathematics, Government College, Ajmer-302004 (Raj)

*Rules and regulations concerning "**COLLEGE LEVEL MATHEMATICS TALENT HUNT IN THE STATE OF RAJASTHAN (CMTR)**" and other informations*

1. AIMS AND OBJECTIVES : To promote activity amongst students of college or having passed 12th class.
2. PRIZES TO BE AWARDED : The merit certificates to first ten rankers in order of merit will be given by Rajasthan Ganita Parishad . The first and second rankers will be awarded Gold and Silver medals respectively.
3. ELIGIBILITY : the participant must have passed 12th class with Mathematics as one of the subject or must be a regular student of B. Sc. /B. A. Part I, II, III having Mathematics as one of the optional subject of a college in Rajasthan. First and second rank holders in earlier CMTR exams are not eligible to appear in consequent next examination. The age of the participants should not be more than 21 years on the date of application.
4. EXAMINATION AND NORMS :
   (a) The participant shall have to appear in an examination to be conducted by RGP.
   (b) Each participant shall have to fill up an Application form for appearing in the examination. The forms are available with the Principal/Head of dept of Maths of the college or can be downloaded from the RGP's website rgp.co.in . Additional copies can be zerxed.
   (c) Application form must be accompanied by the following documents:-
      (i) A fee of Rs 70/- (Rs Seventy only). Head/In-charge of CMTR exam in the college should cooperate CMTR office by collecting the fee from the participants and transfer it into OBC Ac No 11322191026543   IFSCode- ORBC0101132
      (ii) Duly attested copies of last examination passed.
      (iii) Age certificate (Secondary school exam certificate issued by the board).
      (iv) Duly forwarded by the principal of the college.
      (v) One photograph signed by the principal, duly pasted on the application form.
      (vi) Self addressed envelop of size 10cm×4.5cm with stamp of Rs 5/- and a self addressed post card.
      (vii) No TA/DA will be paid
5. SYLLEBUS :- The question paper shall contain questions on the following topics and carry 100 marks:
   (i) Higher Algebra : Permutations and Combinations, Probability, Theory of quadratic equations.
   (ii) Modern Algebra : Group, Ring, Integral domain and Fields.
   (iii) Geometry : 2-dims- Circle, Introduction to conic sections; 3-dims-Plane, Straight line, Sphere.
   (iv) Calculus : Differential- Derivatives and its applications to the rate of change, errors, tangent and normal, maxima and minima of functions of one variable, partial differentiation; Integral- Definite integrals and their applications to find areas, lengths, surfaces and volumes; Differential equations of first order and first degree, Linear differential equations with constant coefficients.
6. BOOKS RECOMMENDED :
   (i) Agebra : Hall and Knight, (ii)   Coordinate geometry of 2 d; S. L. Loney
   (iii) Theory of equations: Burnside and Panton (iv)   Coordinate geometry of 3d: RJT Bell
   (v) Differential Calculus: Gorakh Prsad and Chandrika Prasad
   (vi) Integral Calculus: Gorakh Prsad and Chandrika Prasad
7. RESULTS :
   The results shall be sent to each candidate by post through post card.

RAJASTHAN GANITA PARISHAD

Head office: Dept. of Mathematics, Govt. College, AJMER- 305001(Raj.) India

Estd.1987   **Regd. No. 74**

APPLICATION FORM

"College Level Mathematics Talent Hunt in the State of Rajasthan (CMTR)"

Date of Examination: **17 – 01 – 2014 (Friday)**

Centre: …………………………

Time: 2.00 to 4.00 PM

Last date of receipt of Application Forms: 15th December, 2013

1. Name of Candidate (in Capital) : ……………………… …………………   **Photograph**

……………………………………………..   **Attested by the Principal of the College**

2. Father's Name: ………………………………………………..

3. Address for Communication: ……………………………………………………………………..

(with phone / mobile no.)

 ……

………………………………………………………………………………………………..

………………………………………………………………………………………………..

4 (a) Name of College: ………………………………………………………………………...

  (b) Class with Section: ……………………………………………………………………

  (c) Last Examination passed: ……………………………, Year of Passing: ………………………….

5. List of Enclosures: Attach attested photo copies of following documents:-

>   **(a) Mark sheet of last exam passed.**
>
>   **(b) Secondary school certificate as the proof of age.**
>
>   **(c) A fee of Rs 70/- (Rs Seventy only).**
>
>   **(d) Self addressed envelope of size 10x4.5 with stamp of Rs 5.**
>
>   **(e) Any other particulars which a student want to give.**

Signature of the Principal   **Signature of the Candidate**

  (With college seal)

Note: - Complete application form is to be sent by registered post to Dr. K. C. Sharma, Convener CMTR-2013, Department of Mathematics, M. S. J. College, Bharatpur (Raj) 321001.

RAJASTHAN GANITA PARISHAD

Estd.1987   **Regd. No. 74**

"College Level Mathematics Talent Hunt in the State of Rajasthan (CMTR)"

To,

   Head,

   Department of Mathematics,

   …………………………………

   …………………………………

   …………………………………

Dear Sir,

   Rajasthan Ganita Parishad is organizing CMTR examination-2013 this year on

17th Jan, 2014 (Friday) 2:00 to 4:00 PM. The application form, syllabus and general rules of the exam are attached herewith. The photocopy of   the application form can be used. Instigate the students of B. Sc. Part Ist, IInd, IIIrd of your college to participate in this exam.

   Kindly cooperate CMTR office by collecting the fee from the participants and transfer it into OBC Ac No 11322191026543   IFS Code- ORBC0101132 and inform the convenor. The filled application forms can be sent to **Dr. K. C. Sharma, Convener CMTR-2013, Department of Mathematics, M. S. J. College, Bharatpur (Raj) 321001 up to 15th Dec, 2013.**

   Thanking you.

                                                                                  Your Sincerely

                                                                                  (Dr. K. C. Sharma)

                                                                                  Convener CMTR -2013

                                                                                  & Head Dept. of Mathematics

                                                                                  M. S. J. College, Bharatpur (Raj)

                                                                                  Mob:- 9414714490