

GOVERNMENT OF MANIPUR  
SECRETARIAT: DEPARTMENT OF INFORMATION TECHNOLOGY  
**STATE COMPUTER FAIR**

N O T I C E

Imphal, the 29<sup>th</sup> June, 2011

No. 2/3/2009-DIT: Applications are invited from interested students for participating in the STATE COMPUTER FAIR, 2010-11 to be organised by Department of Information Technology, Government of Manipur on 24/07/2011 from 9:00 AM to 5:00 PM at the premises of Catholic School, Canchipur.

2. Details of the events are as below:

SL. NO.	CATEGORY	EVENTS
1.	Category A (Class XI to XII)	Software Development Competition/Essay Writing/Extempore Competition
2.	Category B (Class IX to X)	Software Development Competition/Essay Writing/Extempore Competition
3.	Category C (Class VI to VIII)	Computer Painting Competition
4.	Category C (Class V and below)	Computer Painting Competition
5.	Category A and B	Computer Quiz

3. Last date of submission of application in prescribed format available at the Govt. of Manipur website <http://manipur.gov.in> is 18/07/2011. For further information please contact Nameirakpam Kejit Singh, Informatics Officer GD-I (IT), Govt. of Manipur via +91-9862135743 or e-mail:- at [dit-mn@nic.in](mailto:dit-mn@nic.in).

  
(Hrishikesh Modak)  
Under Secretary (IT)  
Government of Manipur

Imphal, the 29<sup>th</sup> June, 2011.

Copy to:-

1. S.O to Chief Secretary & Secretary (IT), Govt. of Manipur
2. Special Secretary (IT), Govt. of Manipur.
3. The Director, (DIPR), Govt. of Manipur.
  - With a request to kindly publish as news item in 3 (three) local details for (one) day only.
4. Shri S. Tejmani Singh, Associate Professor, Computer Sc. Deptt., MU
5. The Principal Catholic School, Canchipur.
6. The Editor Sangai Express (English), Poknapham (Manipuri) and Imphal Freepress.
  - With a request to kindly publish as advertisement in his esteemed daily for one day only and to submit the bill to the undersigned.
7. The Asstt. News Editor, AIR, Imphal
  - for kind broadcast over AIR as News Item
8. The ISTV, Imphal
  - for kind broadcast over ISTV as News Item
9. Officials concerned.
10. Guard file.

# STATE COMPUTER FAIR 2010-11

**Organised by:** Department of Information Technology, Govt. of Manipur

**Venue:** Catholic School Canchipur, Canchipur

Date: 24/07/2011

## INSTRUCTIONS

### **A. SOFTWARE DEVELOPMENT COMPETITION:**

1. Each Team will solve 2(two) problems out of the given 3(three) problems which will be given in advance. The problems can be seen on Manipur Government website <http://manipur.gov.in> on 8<sup>th</sup> July 2011.
  2. A team will consist of a maximum of 2 members and can also be made up of a single member.
  3. Programs should be written in C or C++
  4. A Softcopy of the programs with proper identification (Names, School name etc.) should be submitted as email attachment to the following email id: dit-mn@nic.in. Alternately Softcopies on CDs can also be submitted to this office (Contact Person – **Shri Nameirakpam Kejit Singh(Informatics Officer Grade-I/IT)**)
  5. Confirmation e-mail will be sent for such emails with programs attached. If for some reason confirmation is not received, kindly check with this office (Contact Person – **Shri Nameirakpam Kejit Singh(Informatics Officer Grade-I/IT)**)
  6. Last date of submission of programs is 20<sup>th</sup> July 2011 at 3:00 PM.
  7. Assessment Viva will be held on 24<sup>th</sup> July 2011 at Catholic School, Canchipur.
  8. System of Marking will be as under:
    - a. Correctness of the program - 30 marks
    - b. Program Logic - 30 marks
    - c. Programming Style - 10 marks
    - d. Viva - 30 marks
- 
- |       |             |
|-------|-------------|
| TOTAL | - 100 marks |
|-------|-------------|

**B. Computer Quiz:** Each team will consist of a maximum of 3 students. Questions will be on computers and allied subjects with special emphasis on latest advancements in the field of Information Technology. A maximum of 5 teams will be accepted on first come first serve basis. If there are more than 5 teams, only one team from each school on first come first serve basis will be accepted.

**C. Essay Writing:** This is an individual event and consists of two parts:

a) Participants will be given/shown a collage containing a number of computer related items. Participants are to identify the items and write a sentence on the function of each of the items. Total number of marks will be 50. Time allotted will be 15 minutes.

b) Participants will write an essay of 400 words on the topic “Geographic Information System (GIS)”. Total marks will be 50. Time allotted for essay writing will be 1 hour.

**D. Extempore:** This is an individual event. Participants are to talk for 3(2+1) minutes on a topic selected at random from 10 predetermined topics. Participants will be informed of the 10 topics two days prior to the date of competition. Assessment will be as under:-

- |                             |            |
|-----------------------------|------------|
| a) Content and organization | - 60 marks |
| b) Clarity and Delivery     | - 30 marks |
| c) Overall Impression       | - 10 marks |

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TOTAL -100 marks

**E. Computer Painting:** This is an individual event and meant only for students below Class VIII. There will be two categories of i) Class VI to Class VIII and ii) Class V and below. Participants are to create a painting using Microsoft Paint on a given theme. Total time for this event is 30 minutes. Assessment will be as under:

- |  |            |
|--|------------|
| a) Relevance to the Theme              | - 20 marks |
| b) Degree of difficulty                | - 20 marks |
| c) Overall composition of the painting | - 60 marks |

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TOTAL: 100 marks

DEPARTMENT OF INFORMATION TECHNOLOGY  
GOVERNMENT OF MANIPUR

**STATE COMPUTER FAIR, 2010-11**

APPLICATION FORMAT

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1. Name of applicant \_\_\_\_\_
2. (a)Class: \_\_\_\_\_ (b) Date of Birth \_\_\_\_\_ (c) Sex: \_\_\_\_\_
3. Institution Name & Address : \_\_\_\_\_  
: \_\_\_\_\_  
: Phone No. \_\_\_\_\_ email \_\_\_\_\_
4. Residential Address of the Student. : \_\_\_\_\_  
: \_\_\_\_\_  
: \_\_\_\_\_ Phone No.(Compulsory) \_\_\_\_\_
9. Guardian's Name with contact number : \_\_\_\_\_
- 

10. Competition Event to participate in:-
- a) Software Development (team of 2 students) : Yes/No.
- b) Quiz (team of 3 students) : Yes/No.
- c) Essay (individual) : Yes/No.
- d) Extempore (individual) : Yes/No.
- e) Computer Painting (individual) : Yes/No

11. Name and Signature of team-mates for i) Software Development and ii) Quiz. **(They should also fill in the form separately).**

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Sl.No.	Name of Team-mate	Event	Signature
1.			
2.			

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Signature of the Head of Institute with Seal.

# STATE COMPUTER FAIR 2010-2011

*Organized by:* **Department of Information Technology,  
Government of Manipur**

## **EVENT: SOFTWARE DEVELOPMENT COMPETITION**

### **Category A:(XI & XII)**

**Problem 1:** Programme to find your Day of Birth given Date of Birth (C++)

**Example:** Input : **20<sup>th</sup> June 1950/20-06-1950**  
Output: **Tuesday**

**Problem 2:** Programme to put some text in an image (C)

**Problem 3:** Programme to find no. of Bytes in a text file (C++ or C)

**Example:** Input : **Any Text File of 76 bytes**  
Output: **76**

### **Category B:(IX & X)**

**Problem 1:** Calculator - A division, multiplication, adding, subtracting program (C++)

**Example:** Input: **10,2**  
Output: **5, 20, 12, 8**

**Problem 2:** Convert a number into words (C++)

**Example:** Input: **121**  
Output: ***One hundred and twenty one***

**Problem 3:** To find if the given number is an Armstrong number or not (C).

**Example:** Input: **371**  
Output:  **$3^3+7^3+1^3 = 371$**