

# Sree Chaitanya Mahavidyalaya

Department of Commerce

M.Com Semester 01 (Batch 2020-22)

Paper MC 106 : Information Technology in Business (Practical)

## PROJECT WORK ASSIGNMENTS

Special credit will be given on the originality and style of presentation. The project work should be submitted by way of **softcopy** containing the output results, along with a literature on the description of the steps performed in the work. The softcopy file should be assigned the name in the form: <student-name><Regn.No>.

(Last date of submission : 15-02-2021 to [suv.ul@rediffmail.com](mailto:suv.ul@rediffmail.com) )

The front page of the literature should contain the following information :

Student's Name : .....

WBSU Registration. No. .... of .....

Course : **M.Com Sem.1** Paper : **MC 106 (P)**.

College : **Sree Chaitanya Mahavidyalaya, Habra**

### Assignment No. 01

Prepare an **interactive E-Book** on any subject of your choice. You may use any multimedia software (including Powerpoint applications, 'save as' web pages and the e-contents suitably packaged). Animation effects and hyperlink features may be used to make the e-book interactive. Also add graphic designs and pictures & videos to make it more colourful.

### Assignment No. 02

Create a spreadsheet file named '**Payroll**' having two worksheets named '**StaffMaster**' and '**PayTransaction**'. The formats of the two worksheets are given below:

**StaffMaster** (data entered)

A	B	C	D	E
StaffID	Name	Designation	BasicPay	Spouse HRA

**PayTransaction** (auto-generated)

A	B	C	D	E	F	G
StaffID	BasicPay	DA	HRA	GrossPay	PFDedn	NetPay

(Paste-linked from StaffMaster) (.....formula generated.....)

### Formulas:

DA is 60% of BasicPay

HRA is 15% of Basic or Rs.6000 whichever is less, subject to a maximum of Rs. 6000 of HRA of the employee and spouse together.

GrossPay is sum total of (Basic, DA and HRA)

PFDedn. is (10% of BasicPay)

NetPay is (GrossPay – PFDedn).

**You are required to do the following activities, and narrate the steps/ formulae you follow/ use to undertake the task :**

- (i) Enter 20 master records in *StaffMaster*, entered through entry form. Take at least 4 categories of '*Designation*' with different BasicPays.
- (ii) Auto generate the worksheet contents of *PayTransaction* applying formulae.
- (iii) Generate the following queries:
  - (a) Designation-wise Monthly Pay Bill
  - (b) Monthly Pay Bill of staff whose spouse are not employed.
- (iv) Auto-generate separate Pay Slip of each staff, using the tool of Mail-merge in MS-Word.  
(The Pay Slip must contain the following information in a nicely designed format:  
*StaffID, Name, Designation, Spouse HRA, BasicPay, DA, HRA, GrossPay, PFDedn, NetPay*).

### Assignment No. 03

The Controller of Examinations of University X decided to automate some of the regular functions:

- (i) Generation of Tabulation Sheets of students – Course-wise
- (ii) Generation of Mark-Sheets – Student-wise
- (iii) Result Summary Analysis – Course-wise.

For this purpose, the Input-Process-Output considerations are as follows :

**Input:** Student Master: Batch\_Year + Course + College name/code + Student name/code ;

Transactions : Marks obtained subject-wise in all the semesters.

**Processing:** Calculate Grand Totals, Percentage, Result/Grade

**Output:** Class list, Tabulation Sheets course-wise, Individual Students' Report,

Result Summary Analysis [containing: List of students result-wise and ranked, Maximum\_Marks (paper-wise), Minimum\_Marks (paper-wise), Pie Chart showing Grade/Result course-wise and college-wise.

**Spreadsheet application** is considered to develop a prototype software, considering the following information:

(a) Four Colleges are affiliated to University X.

(b) The University offer two courses – M.A. and M.Com (two-semester courses with 3 subjects / semester).

The colleges offer the following papers course-semester-wise (full marks @100) :

Course	Semester 1	Semester 2
M.A.	AP1, AP2, AP3	AP4, AP5, AP6
M.Com	CP1, CP2, CP3	CP4, CP5, CP6

(c) The Students' Grade Performance Rule is as follows :

If Grand\_Total\_Mark  $\geq$  60, **Grade A**,

If Grand\_Total\_Mark is less than 60 but greater than or equal to 45, **Grade B**,

If Grand\_Total\_Mark is less than 45, **Fail**.

There is no pass mark for individual papers.

The students can appear only once in the examination for each papers.

(d) The Tabulation Sheets are prepared Course-wise that show the following data :

College Code, Students' Code, Semester/ Paper's Name, Marks obtained,

Grand\_Total\_Mark (for two semesters), Percentage\_Marks (aggregate), Result/Grade,

Maximum\_Marks (paper-wise), Minimum\_Marks (paper-wise).

(e) Student-wise Final Mark Sheet has to be generated containing all the information in the Tabulation Sheet [except Maximum\_Marks (paper-wise), Minimum\_Marks (paper-wise)].