Computer Technology (JA,JB,JC)

Paper I, Paper II and Paper III

Instructions to the head of the institute

1. The program of the practical examination is to be finalized and notified on the notice board by the head of the institute in accordance with the instructions regarding the conduct of the examinations laid down by the divisional board. It should be insured that there is no clash or conflict of practical examination with other subjects offered by a candidates.

2. Incase the external examiner fails to report or inform the head of the institute one day prior to the commencement of the examination, the head of the institute, is authorised to make the necessary emergency appointment in this place and inform the divisional board accordingly.

3. The head of the institute should see the proper arrangements are made in the laboratory for conducting the practical examination in consultation with internal examiner.

4. The head of the institute should immediately hand over the 'instruction to examiner' to the examiners concerned.

5. The head of the institute should 'immediately' display the 'instruction to candidate' on proper notice board along with the timetable.

6. The number candidates should be restricted to about 10 for each batch.
7. Both the internal and external examiners will be appointed by the divisional board.

8. The question paper (if any) in practical examination sent separately should be handed over to the internal examiner.

9. The following laboratory staff will be appointed for a batch of 10 students.
   a) Expert Assistant (Instructor)   1
   b) Laboratory Assistant   1
   c) Peon (Helper)   1
   The above staff will be paid the remuneration as per the rules. The above staff will be paid remuneration for 2 days prior to the examination for preparation and one day after the examination for cleaning, in addition to the number of days of practical examination.

10. Expenditure of contingencies and spares required for examination will be paid to the institute as per the sanctioned amounts by the board form time to time.

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Computer Technology (JA,JB,JC)
Paper I, Paper II and Paper III

Instructions to the Examiners and Scheme of Marking

1. Experiments which have been conducted during the year should be kept for the practical examination. (minimum 10 experiments in each paper)

2. The candidate should be given one experiment by lot system. All the slips of each experiments performed, must be included in the lot from each paper. Period of examination will be 3 hours for each paper. Change of experiment should be avoided as for as possible. However the inter examiner can change the allotted experiment in consultation with the external examiner, if the candidate has not perform and entered the allotted experiment in the journal.

3. Examiners should see that in a batch every candidate perform a different experiment.

4. Internal examiner should provide required data at the blanks given in the practical slips.

5. Examiner should personally verify at every stage whether each sub question in the given slip is answered or not.

6. The assessment of answer book and conduct of practical examination will be done jointly by both the examiners.

7. In case of any dispute the decision of external examiner shall be final.

8. Following scheme of marking should be followed.

    a) Experiment   60 Marks   Total 80 Marks

    Oral and journal   20 Marks

    b) Term work   10 Marks

    c) Project work   10 Marks

    d) On Job Training (OJT)   10 Marks

    e) Individual visit (IV)   10 Marks

    Total marks of each paper- 120 Marks

9. The external examiner should check the journals and project work completed during the year by the candidate.

10. Marks for journal will be

    Paper I   -   5 Marks

    Paper II -   5 Marks

    Paper III -   5 Marks

    Marks for journal are to be awarded for the following points.

    1) No. of experiments satisfactorily completed.

    2) Neatness in writing in Journal Reports in respect of completed experiments.

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Computer Technology (JA,JB,JC)
Paper I, Paper II and Paper III

Instructions to the Candidates

1. Candidates should bring with them their certified Journals, Project Reports etc.

2. Journals should be certified by the practical in charge with counter signature of Head of the institution or Head of the department.

3. Candidates should remain present at least 15 minutes before the commencement of the examination.

4. Candidates should read the slip carefully and answer all the questions in the slip. Necessary hard copy of programs and data as mentioned in question slip should be attached with answer book.

5. In case of any difficulty, the candidate should approach the concerted examiner.

6. Leave our table neat and clean.

7. Keep silence in the examination hall.

8. Candidates must follow the instructions of the examiners.

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Computer Technology

Paper I- Web page Design (JA)

Std XII

Experiment - Practical Slips

Expt. 1 - Study of HTML tags.

A)   i) Explain singular and paired tag and importance & < Html >.

   ii) Explain the use of <Head> and tag which can be included in <Head>.   (25)

   iii) Explain the use of <Body>.

   iv) Explain at least 2 attributes   of<Body>.

B)   Write and type the structure of html program with contents in each tag.   (25)

C)   Demonstration of experiment & hard copy.   (10)

D)   Journal & oral.   (20)

Expt.2   Create simple webpage and saving the same.

A)   Create a webpage by using the basic structure of Html. With page title,

   college name, and any background colour and text colour.   (25)

B)   Display college details like address, streams and special courses

   each in a new line.   (25)

C)   Demonstration and hard copy.   (10)

D)   Journal and oral.   (20)

Expt.3   Use of various text formatting options, Heading and paragraph with alignment.

A)   Create a web with 4 paragraphs with different alignments. Give Italic

   effect for first two paragraphs.   (25)

B)   Give different headings with different alignments for next two

   paragraphs.   (25)

C)   Demonstration and hardcopy.   (10)

D)   Journal and oral.   (20)

Expt.4 **Create a webpage using physical style, font type, colour and size.**

A) Create a webpage which displays your biodata by using Atleast 4 physical style

tags.

Change the font style for your name. (25)

B) Change the color for your address.

Change the font size for your qualification. (25)

C) Demonstration and hard copy. (10)

D) Journal and oral. (20)

Expt.5 **Create a webpage using ordered, unordered and nested list with paragraph**

indenting.

A) Create a webpage with two paragraph using different alignments. (25)

The first paragraph should display ordered list with 3 subject names.

It should also display unordered list with 3 computer courses names.

B) The second paragraph should display nested list. (25)

C) Demonstration and hard copy. (10)

D) Journal and oral. (20)

Expt.6 **Create a webpage with hyperlink and book mark hyperlink properties.**

A) Create a webpage which links another webpage (25)

B) The same webpage should also book mark a paragraph within it. (25)

C) Demonstration and hard copy. (10)

D) Journal and oral. (20)

Expt.7 **Create a webpage to insert an image using different formatting**

and properties.

A) Create a webpage which displays 2 images. (25)

B) The first image is the centre of the webpage having dimensions 400X300.

The second image is on the right side of the webpage without border. (25)

C) Demonstration and hard copy. (10)

D) Journal and oral. (20)

Expt.8   **Create of table with various border formatting.**

    A)   Create a webpage which displays a table with four rows and three columns.   (25)

    B)   The border thickness should be 5 and the border colour should be with light

        and dark colours.   (25)

    C)   Demonstration and hardcopy.   (10)

    D)   Journal and oral.   (20)

Expt.9   **Create a webpage with title and background sound, background image.**

    A)   Create a webpage which displays page title "Page Background" Display webpage

        with background image.   (25)

    B)   Insert background sound in the same webpage. The sound should play

        continuously.   (25)

    C)   Demonstration and hard copy.   (10)

    D)   Journal and oral.   (20)

Expt.10   **Use of image map in a webpage.**

    A)   Create a client side image map. Each area within the image should be

        linked with different web pages. The clickable areas should be of

        different shapes.   (25)

    B)   The linked pages should open one image file, and 2 simple web pages.   (25)

    C)   Demonstration and hard copy.   (10)

    D)   Journal and oral.   (20)

Expt.11   **Creation of Html forms and related objects.**

    A)   Create a webpage which displays ' Admission form ' as the heading of

        the webpage. The webpage should accept students name and Address.   (25)

    B)   The same webpage should accept Gender and hobbies form multiple

        options.   (25)

    C)   Demonstration and hard copy.   (10)

    D)   Journal and oral.   (20)

Expt.12   **Creation of Frames**

A)   Create a webpage with following layout using Frames.   (25)

Company Name	
Branches	Products
Company Address	

B)   Display the contents of each section as shown in the layout.   (25)

C)   Demonstration and hard copy.   (10)

D)   Journal and oral.   (20)

Expt.13   **Create a webpage using CSS.**

A)   Create a webpage with 2 paragraphs using internal style sheet. The first

paragraph uses largest leading level with backgroud colour for the heading.   (25)

B)   The second paragraph should use text with italic and bold font with background
colour yellow and text colour green.   (25)

C)   Demonstration and hardcopy .   (10)

D)   Journal and oral.   (20)

Expt.14   **Create a webpage with textboxes, buttons and labels.**

A)   Create a webpage which displays a textbox to accept company name and

city along with label name. (eg. Name   ). A radio button should be

displayed to select country.   (25)

B)   The same webpage should display a button to clear the contents of the

text box and the other button to submit the contents of the textbox.   (25)

C)   Demonstration and hardcopy.   (10)

D)   Journal and oral.   (20)

Expt. 15   **Study of Macromedia Dreamweaver**

You are provided with PC having Dreamweaver

A)   Create a web page on college theme. By making the use of appropriate

palette insert date, image and flash text. Note the dimension of image by

using appropriate palette   (25)

B)   Insert table in the second web page with two rows and three columns.   (25)

C)   Make a written note of the procedure followed step wise.   (10)

D)   Journal and Oral.   (20)

Expt. 16   **Create a simple web site using text, graphics and sound.**

A)   Create a site on your hard drive. Add two pages to the web site. Add

text in the first page. The text is your college name in bold format   (25)

B)   The second page has an image and sound inserted. Create a Hyper

link to connect both pages   (25)

C)   Write the steps use to create the web site and its contents. Demonstrate

it with the examiner .   (10)

D)   Journal and Oral.   (20)

Expt.17   **Use of control structure using JavaScript**

A)   Write a program using JavaScript to accept phone number from the user.

It should perform following.

1) If the phone number is blank display an error message.   (25)

2) The phone number should contain only numbers.

3) The phone number should be not more than 10 digits.

B)   Write another program using JavaScript to display week-day name when user
enters weekday number by using control structure which tests multiple
conditions.   (25)

C)   Demonstration and hard copy.   (10)

D)   Journal and Orals.   (20)

Expt.18 **Write a program to display message on the screen using Java Script.**

A) Write a program using JavaScript to accept a message from the user and display it in the status bar. (25)

B) Write another program using JavaScript to display two idioms continuously after every few seconds. (25)

C) Demonstration and hardcopy. (10)

D) Journal and Oral. (20)

Expt.19 **Mathematical calculation using JavaScript.**

A) Write a program using JavaScript to accept two numbers from the user and

perform mathematical operations like addition, subtraction multiplication,

division and remainder of the division. (25)

B) Write another program using JavaScript to display sum of first 10 natural nos. (25)

C) Demonstration and hardcopy. (10)

D) Journal and Oral. (20)

Expt.20 **Write a JavaScript program using control structure and Looping structure.**

A) Write a JavaScript program to display sum of all even numbers between 101 to 200, using control structure and Loop structure. (25)

B) Write a JavaScript program to display prime numbers between 101 to 200, using control structure and loop structure. (25)

C) Demonstration and hard copy. (10)

D) Journal and Oral. (20)

Std XII

Experiment - Practical Slips

Paper II : Database system (JB)

Exp.1 -   **Database concept**.

A)   Create a database to store record of Std XIIth students result containing the fields Sr. No., Roll No. Name, Mark obtained in six subjects as per syllabus and total of all, percentage and result.   (25)

B)   Create an appropriate form to fill data into database in above practical and write an appropriate query to display records of database in practical in various order.   (25)

C)   Demonstration and hard copy.   (10)

D)   Journal and Oral.   (20)

Exp.2 -   **To Copy one table from a database to another database with/without data.**

A)   Create an Access database contain the field student name and Marks in four   (25)
subject having atleast 30 records.

B)   Create another blank Access database file and show how the pre-exiting table   (25)
from the previous database file can be imported/pasted into the scored file.

i) Structure and all the records in the table.

ii) Without any records i.e. structure only.

C)   Demonstration & hardcopy.   (10)

D)   Journal and Oral.   (20)

Exp. 3 -   **Introduction to MS. Access.**

A)   Import a text file into an empty Access database and Show how the content of the given text file can be copy into an Access database.   (25)

B)   Exporting a table form MS. Access to Excel. create an access database which contains the field students name & marks in six subjects having at least 15 records and export it to Ms. Excel work sheet.   (25)

C)   Demonstration & hard copy.   (10)

D)   Journal and Oral.   (20)

Expt. 4-   **Introduction to MS. Access.**

A)   Create Ist database with tables named **cricketerinfo** containing the fields 'Cricketer ID' 'Cricketer - name' 'Cricketer - description'. Create IInd

Database with table name **cricketerbatting** containing the field 'Batting ID', 'Cricketer ID', 'Cricketer-info'.   (25)

B)   Make a master detail form, which displays the cricketers name and cricketer description with a grid in the same form showing the number of scored each year.   (25)

C)   Demonstration & hard copy.   (10)

D)   Journal and Oral.   (20)

Expt. 5 -   **Study of 'compact' feature on a sample database and comparison with the original.**

A)   You are provided with an MS. Access database containing 10 tables having 30 records and each record contains 7-8 fields. The database also consists of a few forms, queries and reports.   (25)

B)   Note the file size of database use the 'Compact' feature of database. After the compaction process save the database and then recheck its file size and note down the same.   (25)

C)   Demonstration & hard copy.   (10)

D)   Journal and Oral.   (20)

Expt. 6-   **Application of password and encryption to a database.**

A)   Create MS. Access database contain 5 tables having 30-40 number of records and each record contain 7-8 fields.   (25)

B)   Secure the database by setting database passward such that whenever user try to open the database user will be prompted with a passward screen, only after the correct passward is entered. The user will be able to view the table contained in the database.   (25)

C)   Demonstration & hard copy.   (10)

D)   Journal and Oral.   (20)

Expt. 7 -   **Create an ODBC DSN for Access database to use the same over a network.**   A)

Create a MS. Access database over a web secure supporting us. Create a table in

the same with at least 6 fields. Now write code for an ASP page which allows

users to enter data records into the table in the database.   (25)

B)   Create an ODBC PSN for the access Database. Save the database as well   (25)
       as the   ASP code and show the execution of

C)   Demonstration & hard copy.   (10)

D)   Journal and Oral.   (20)

Expt. 8 - Create an appropriate form to fill data into a database

A)   Create a database using Access which contain table named studentinfo having no

     record.   (25)

B)   Create and appropriate form using form wizard to fill data into the data table. Save the form

     created and fill up data for 25 records in the table using the same.   (25)

C)   Demonstration & hard copy.   (10)

D)   Journal and Oral.   (20)

Expt. 9 - Write an appropriate query to display records of database in various orders.

A)   Create a database using Access which contain table named studentinfo having 30

     records of students names and marks in 4 subjects .   (25)

B)   Create 3 queries that perform the following

     1. Returns all columns sorted by students-name in descending order.

     2. Returns all columns sorted by Maths-score in descending order.

     3. Returns all columns sorted by Maths-score in descending order.   (25)

C)   Demonstration & hard copy.   (10)

D)   Journal and Oral.   (20)

Std XII

Experiment - Practical Slips

Paper III :Multimedia and Animation (JC)

Expt. 1-   **Study of layers in flash.**

    A)   Create a shape tween on a single layer and then add a new layer. Create a
             motion tween on the second layer.   (25)

    B)   Repeat the same procedure for different shapes drown as well as import   (25)
             images.

    C)   Demonstrate the same to the examiner and write the step wise procedure.   (10)

    D)   Journal and Oral.   (20)

Expt. 2-   **Study of time line in flash.**

    A)   Create a motion Tween on a single layers by using an imported image for the
             purpose and convert the same into a symbol selecting graphics behavior.   (25)

    B)   Separately create a shape tween by using a circle as an initial object and a square
             as a fina one where both are drawn using the tools provided within flash.   (25)

    C)   Demonstrate the same to the examiners and write the stepwise procedure.   (10)

    D)   Journal and Oral.   (20)

Expt. 3-   **Study of transition / background in flash.**

    A)   Create an album or slid show presentation using flash in which at least 8 image

             taken using a digital camera are displayed automatically one after the other.   (25)

    B)   Show by using special transition effects between two images and background
             music throughout the show. Final presentation must be in form of a SWF
             file.   (25)

    C)   Demonstrate the same to the examiner and write down the stepwise
             procedure.   (10)

    D)   Journal and Oral.   (20)

Expt. 4   **Sample presentation using flash**.

A)   create an album or slide show presentation using flash in which at least 8 images (preferably) taken using digital camera are displayed automatically one after the other.   (25)

B)   Show the final presentation using a web browser. The final presentation must be in form of a SWF file.   (25)

C)   Demonstrate the same to the examiner and write the stepwise procedure.   (10)

D)   Journal and Oral.   (20)

Expt. 5   **Study of flash Plug-Ins**

A)   Create as swf presentation by installing and Implementing the use of the plug-in provided.   (25)

B)   Show the final presentation using a web browser. The final presentation must be in form of a SWF file.   (25)

C)   Demonstrate the same to the examiners and write the stepwise procedure.   (10)

D)   Journal and Oral.   (20)

Expt. 6   **Study of Director Environment.**

A)   Create a movie in shockwave form that displays a bouncing ball against a background using director application.   (25)

B)   Show the final presentation using the web browser.   (25)

C)   Demonstrate the same to the examines and write the stepwise procedure.   (10)

D)   Journal and Oral.   (20)

Expt. 7   **Study of cast and a score.**

A)   Use the director application to demonstrate how the cast can be placed in the score.   (25)

B)   Show the final presentation using the web browser.   (25)

C)   Demonstrate the same to the examiner and write the stepwise procedure.   (10)

D)   Journal and Oral.   (20)

Expt. 8 **Creation of 2D animation using various tools and shapes.**

    A) Create animation in 2D use various tools, shapes and colours. (25)

    B) Show the final presentation. (25)

    C) Demonstrate the same to the examiner and write the stepwise procedure. (10)

    D) Journal and Oral. (20)

Expt. 9 **Creation of 2D animation using various tools and shapes.**

    A) Create animation in 2D use different sound effect. (25)

    B) Show the final presentation. (25)

    C) Demonstrate the same to the examiner and write the stepwise procedure. (10)

    D) Journal and Oral. (20)

Expt. 10 **Creation of 3D animation using various tools and shapes.**

    A) Create animation in 3D use various tools, shapes and colours. (25)

    B) Show the final presentation. (25)

    C) Demonstrate the same to the examiner and write the stepwise procedure. (10)

    D) Journal and Oral. (20)

Expt. 11 **Creation of 3D animation using various tools and shapes.**

    A) Create animation in 3D use different sound effect. (25)

    B) Show the final presentation. (25)

    C) Demonstrate the same to the examiner and write the stepwise procedure. (10)

    D) Journal and Oral. (20)