HIGHER SECONDARY PRACTICAL EXAMINATIONS FEBRUARY 2020

COMPUTER APPLICATIONS (HUMANITIES)

Max Score: 40

HSE II   **Time: 3 Hours**

Instructions to the candidates

- Two questions are given to the candidates. First question is from Office / GIMP and the second from HTML / SQL.
- Write down the question and the required Program / Code / Queries in the answer sheet within one hour.
- The answers are to be submitted to the examiner for verification. These programs should be developed in the computer after the consent of the examiner and the output should be shown to the examiner.
- Viva voce will be conducted based on the given practical questions.
- The score distribution will be as follows
- **A. Office / GIMP**
  - a) Steps of Word Processing / Spread Sheet / Presentation Software/ Image Editing - 10 Scores
  - b) Debugging skill   - 6 Scores
- **B. HTML / SQL**
- a) Proper HTML Tags and attributes / Proper SQL Commands   - 10 Scores
- b) Debugging skill (Error Correction & Output)   - 6 Scores
- **C. Practical Log Book**   - 4 Scores
- **D. Viva Voce**   - 4 Scores

                                        Total   **- 40 SCORES**

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PART A

Word Processing / Spread Sheet / Presentation Software/ Image Editing

1. Create a worksheet containing the details of 5 employees in a company with the following fields:

   Employee Name, Designation, Basic salary, DA, HRA, Gross Salary, PF, Net Salary

   a. Save the file with name 'EMPLOY'.

   b. Calculate DA, HRA, Gross Salary, PF and Net Salary for all employees.

   c. Find the total salary paid to all employees by the company in a separate cell.

   d. Save the file.

   Calculations:
   DA is 60% of Basic salary, HRA is 5% of Basic salary and PF is 10%.
   Gross salary = Basic salary + DA+ HRA
   Net salary = Gross salary – PF

2. Create the following sales bill using worksheet software:

ABC Sales Emporium			
Sales Bill		Date:	
		Unit Price	
Sl.No.	Items Name	Rs.	Ps.
1	Book	25	00
2	Pen	15	50
3	Paper	30	00
	Total Amount	70	50

a. Save the file as 'BILL'.
b. Bold face all the contents of the bill.
c. Increase the font size of entire contents to 13.
d. Enter the current date in the place provided at the top right side and format the cell in dd-mmm-yy format.
e. Format the cells containing price in currency format.
f. Save the file again.

3. Open a new presentation file and perform the following activities
    a. In the first slide type the matter "PROTECT OUR ENVIRONMENT".
    b. Bold face the matter and change size to 16.
    c. Insert a picture (provided) as the back ground.
    d. Duplicate the slide.
    e. Change the content to "PLANT MORE TREES".
    f. Insert a video file (provided).
    g. Save the file.

4. Create a new presentation file and perform the following tasks:
    a. Insert the following content in the first slide

TOURIST SPOTS IN KERALA
• Munnar
• Kovalam
• Ponmudi
• Thekkady

b. Change the background colour of the slide
c. Insert a new slide and insert an image of Kerala state (provided).
d. Insert a note to the slide as God's Own Country.
e. Save the file.

5. Open a file in GIMP. Create the picture of Indian national flag. Save the file with name 'INDIA.XCF'. Export it to 'jpg' format.

6. You are supplied with the image of a car (car.jpg). Open the file in GIMP and perform the following operations:
    a. Rotate the picture to 40 degrees.
    b. Flip the picture
    c. Shear the picture.
    d. Save the picture after each activity with different names.

7. Using the word processor (LibreOffice Writer), create a leave letter addressed to your class teacher, requesting for one day leave. Perform the following activities also in the same document

a. Save the file as 'Leave.odt'.

b. Bold face the 'From' and 'To' addresses appearing in the document.

c. Change the font size of above addresses to 12.

d. Make the body of the letter justify within left and right margins.

e. Change the line spacing of the body of the letter to double and font size 11.

f. Right align the name and signature at the end of the document.

g. Save the file again.

8. Prepare the following table using Writer:

Section		Male	Female	Total
UP		7	10	17
HS		12	17	29
HSS	Science	3	7	10
	Commerce	2	3	5
	Humanities	2	1	3
	Languages	7	8	15
Total		33	46	79

a. Save the file as 'STAFF.ODT'.

b. Format the table using an attractive pre-defined format.

c. Insert a row immediately after the header row and store the details of LP section.

9. Create a worksheet containing the details of 5 employees in a company with the following fields: Employee Name, Designation, Basic salary, DA, HRA, Gross Salary, PF, Net Salary

a. Save the file with name 'EMPLOY'.

b. Calculate DA, HRA, Gross Salary, PF and Net Salary for all employees.

c. Find the total salary paid to all employees by the company in a separate cell.

d. Save the file.

Calculations:

DA is 60% of Basic salary, HRA is 5% of Basic salary and PF is 10%.

Gross salary = Basic salary + DA+ HRA

Net salary = Gross salary – PF

10. Create a Presentation on the topic Electronic waste with minimum five slides.

a. Save the file with name 'E-WASTE'.

b. Insert suitable pictures.

c. Set slide transition and slide show timings.

d. Save the file.

11. Design a sign board (poster) picture to spread the message 'NO SMOKING' on the 'World Tobacco Day'. Save the file with name 'LIFE'.

12. Create a presentation (minimum 5 slides) about various sports / games popular in India.

a. Save the file with name 'SPORTS'.

b. Insert suitable pictures.

c. Set slide transition and slide show timings.

d. Save the file.

13. You are supplied with images of various modes of environment pollution.
Create an attractive collage. Save the file with name 'POLLUTION'.

14. Design the front page of your school magazine. The image should contain the following items
   a. School logo.
   b. An attractive title.
   c. School name and year of release.
   d. An attractive background picture.
   e. Save the file with name 'MAGAZINE'.

15. Create a new Writer document and prepare your own bio-data. Save the file as 'BIODATA'.
The bio-data must contain the following:
   a. Name, age, address, phone number, qualifications, hobbies and references.
   b. Insert a photograph at the suitable place.
   c. The qualifications must be typed in a table with suitable rows and columns.
   d. Apply character formatting features to make it attractive.
   e. Apply a stylish border to the page.
   f. Insert header and footer.
   g. Change the page size to A4 type.
   h. Take a print preview.
   i. Save the file.

PART B

HTML

1. Design a simple and attractive web page for Kerala Tourism. It should contain features like background colour/image, headings, text formatting and font tags, images, etc.

2. Design a webpage as shown below using appropriate list tags.

Permanent members in UN Security Council

- Russia
- China
- USA
- UK
- France

3. Design a simple web page about your school. Create another web page named address.html containing the school address. Give links from school page to address.html.

4. Design a personal web page for your friend. It should have a link to his e-mail address.

5. Write an HTML document to prepare an application form to accept your Bio – Data (information such as Name, Date of Birth, Sex, Caste, educational qualifications, Hobbles are to be entered)

6. Design a web page containing frames that divide the screen vertically in the ratio 50:50 and display any simple web pages in the frames.

7. Design a web page as shown below using appropriate list tags.

List of Nobel Laureates from India

Rabindra Nath Tagore
He was the first to get Nobel Prize from India. He received prize in literature in 1921. He got Nobel Prize for his collection of poems "Gitanjali".
C V RAMAN
He got Nobel for Physics in 1930. He received Nobel Prize for his contribution called Raman Effect.
MOTHER TERESA
Mother Teresa who founded Missionaries of Charity which is active in more than 100 countries received Nobel Prize in 1979.
Amartya Sen
Amartya Sen was awarded Nobel Prize in 1998 in Economics. He has made contributions to welfare economics, social choice theory etc.
Kailash Swarthy
He is a child right activist who founded "BachpanBachaoAndolan" in 1980. He shared Nobel prize for peace.in 2014.

8. Design an HTML document to create a simple web page as shown below

DEPARTMENT OF TOURISM KERATA STATE

Tourist Attractions in Kerala

A Thiruvananthapuram
   1. Kovalam Beach
   2. Padmanabha Temple.
   3. Museum,
B. Eranakulam
   a. Bolgatty Palace
   b. Vembanad Lake
   c. Cohin Shipyard
C. Kozhikode
   I.   Beypure Port
   II. Kappad Beach
   III. Thusharagiri.

9. Prepare an HTML document to create the following Table
STRENGTH OF THE SCHOOL

Batch	No of boys	No of girls	Total
Science	30	20	50
Commerce	32	18	50

10. Design the following table using HTML.

Class	Strength		
	Science	Commerce	Humanities
Plus One	49	55	51
Plus Two	50	52	56

11. Design a web page containing frames that divide the screen vertically in the ratio 50:50. Design two web pages – one containing the list of Indian cricket team members and the second page containing a list of Indian football team members.

12. Design a web page containing details about your district. The page should be formatted with background colour, text formatting, font tags, etc.

13. Design a simple web page as shown below:

LOGIN

ENTER USER NAME

ENTER PASSWORD

Submit   Clear

14. Design a web page as shown below using appropriate list tags.

Top Arts Colleges in India
1. Lady Shriram College for Women, Delhi
2. Loyola College, Chennai
3. St. Stephen's College, Delhi
4. St. Xavier's College, Mumbai
5. Miranda House, University College for Women, Delhi

15. Design a web page that displays the indent for Plus Two text books as given below.

Section	Book Name	Quantity
Language	English	100
	Malayalam	100
	Communicative English	80
Humanities	Gandhian Studies	90
	Social Work	85
	Computer Applications	100

PART C
SQL

1. Create a table Student with the following fields and insert at least 5 records into the table except for the column Total.
   Roll_Number Integer Primary key
   Name Varchar (25)
   Batch Varchar (15)
   Mark1 Integer
   Mark2 Integer
   Mark3 Integer
   Total Integer
   a. Update the column Total with the sum of Mark1, Mark2 and Mark3.
   b. List the details of students in Commerce batch.
   c. Display the name and total marks of students who are failed (Total < 90).
   d. Display the name and batch of those students who scored 90 or more in Mark1 and Mark2.
   e. Delete the student who scored below 30 in Mark3.

2. Create a table Employee with the following fields and insert at least 5 records into the table except the column Gross_pay and DA.
   Emp_code Integer Primary key
   Emp_name Varchar (20)
   Designation Varchar (25)
   Department Varchar (25)
   Basic Decimal (10,2)
   DA Decimal (10,2)
   Gross_pay Decimal (10,2)
   a) Update DA with 75% of Basic.
   b) Display the details of employees in Purchase, Sales and HR departments.
   c) Update the Gross_pay with the sum of Basic and DA.
   d) Display the details of employee with gross pay below 10000.
   e) Delete all the data from the table.

3. Create a table Stock, which stores daily sales of items in a shop, with the following fields and insert at least 5 records into the table.
   Item_code Integer Primary key
   Item_name Varchar (20)
   Manufacturer_Code Varchar (5)
   Qty Integer
   Unit_Price Decimal (10,2)
   Exp_Date Date
   a. Display the details of items which expire on 31/3/2016.
   b. Display the item names with stock zero.
   c. Remove the items which expire on 31/12/2015.
   d. Increase the unit price of all items by 10%.
   e. List the items manufactured by "ABC & Co" with quantity above 100.

4. Create a table Book with the following fields and insert at least 5 records into the table.

Book_ID Integer Primary key
Book_Name Varchar (20)
Author_Name Varchar (25)
Pub_Name Varchar (25)
Price Decimal (10,2)

a. Display the details of books with price 100 or more.
b. Display the Name of all the books published by SCERT.
c. Increase the price of the books by 10% which are published by SCERT.
d. List the details of books with the title containing the word "Programming" at the end.
e. Remove all the books written by "Balaguruswamy".

5. Create a table Bank with the following fields and insert at least 5 records into the table.

Acc_No Integer Primary key
Acc_Name Varchar (20)
Branch_Name Varchar (25)
Acc_ Type Varchar (10)
Amount Decimal (10,2)

a. Display the account details of "Savings Account" in Kodungallur branch.
b. Change the branch name "Trivandrum" to "Thiruvananthapuram".
c. Display the details of customers in Thiruvananthapuram, Ernakulam and Kozhikode.
d. List the details of customers in Thrissur branch having a minimum balance of Rs. 5000.
e. Delete all the current accounts in Mahe branch.

6. Create a table Student with the following fields and insert at least 5 records into the table except for the column Total.

Roll_Number Integer Primary key
Name Varchar (25)
Batch Varchar (15)
Mark1 Integer
Mark2 Integer
Mark3 Integer
Total Integer

a. Update the column Total with the sum of Mark1, Mark2 andMark3.
b. List the details of students in Science batch in the ascending orderof their names.
c. Display the highest Total in Humanities batch.
d. Display Name and Total in descending order of the Total.
e. Delete the student who scored below 30 in Mark3

7. Create a table Employee with the following fields and insert at least 5 records into the table except the column Gross_pay and DA.

Emp_code Integer Primary key
Emp_name Varchar (20)
Designation Varchar (25)
Department Varchar (25)
Basic Decimal (10,2)
DA Decimal (10,2)
Gross_pay Decimal (10,2)

a. Update DA with 75% of Basic for Managers and 80% Basic for allother employees.
b. Update the Gross_pay with the sum of Basic and DA
c. Display the details of employees in Purchase, Sales and HR departments in descending order of Gross pay.
d. Find the number of employees in Accounts department.
e. Delete the details of clerks whose Gross pay is below 5000.