

HIGHER SECONDARY PRACTICAL EXAMINATIONS MARCH 2018
COMPUTER APPLICATIONS(HUMANITIES)

Max Score:40

Time:3 hrs.

HSE II

Instructions to the candidates

Two questions are given. First question is from office and the second from either HTML or 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. Spread sheet/presentation software/image editing/ word processing/word processing(written)	:10 scores
b. Debugging skill	:6 scores
c. Proper HTML tags and attributes (script if required)/ Proper SQL commands,clauses,operators(written)	:10 scores
d. Debugging skill (error correction and output)	:6 scores
e. Practical Log Book	:4 scores
f. Viva voce	:4 scores
Total	40 SCORES

PART A

Spreadsheet/Presentation software/Image Editing/Word Processing

1. Prepare an examination time table using Spreadsheet software as given below:

Date	Subject	Time	Venue
12/8/2015	English	10:00-11:00	Library hall
13/8/2015	Sec.Lang	10:00-11:00	Auditorium
14/8/2015	Political Science	10:00-11:00	Audio-Visual room
15/8/2015	Gandhian Studies	10:00-11:00	Library hall
16/8/2015	Comp.Appln	10:00-11:00	Computer Lab

- Save the file with name 'EXAM'.
- Bold** face all column titles.
- Make the contents of the entire cell *Italic*.
- Change the column width of the table to fit the contents of in a single line.
- Change the row height to 2.
- Insert a new column width title 'Sl. No' as the first column.
- Save the worksheet again.

2. Create the following sales bill using worksheet software:

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

- Save the file as 'BILL'.
 - Bold face all the contents of the bill.
 - Increase the font size of entire contents to 13.
 - Enter the current date in the place provided at the top right side and format the cell in dd-mmm-yy format.
 - Format the cells containing price in currency format.
 - Save the file again.
3. Create a new presentation file and perform the following tasks:
- Insert the following content in the first slide.

TOURIST SPOTS IN KERALA

- Munnar
- Kovalam
- Ponmudi
- Thekkady

- Change the Background colour of the slide.
 - Insert a new slide and insert an image of Kerala state(provided).
 - Insert a note to the slide as God's Own Country.
 - Save the file.
4. You are supplied with the image of a car(car.jpg).Open the file in GIMP and perform the following operations:
- Rotate the picture to 40 degrees.
 - Flip the picture.
 - Shear the picture.
 - Save the picture after each activity with different names.

5. Prepare your class time table using Writer.
 - a. Save the document with name 'Timetable.odt'.
 - b. Bold face the contents.
 - c. Change the column width so as to adjust the contents of the cell.
 - d. Format the table using an attractive predefined format.
 - e. Insert a new row at the top of the table and enter the title 'TIME TABLE'.
 - g. Save the file with new name 'TIME TABLE'.

6. Prepare the following table using Writer:

Section	Male	Female	Total
UP	7	10	17
HS	12	17	29
HSS	Science	7	10
	Commerce	2	3
	Humanities	2	1
	Languages	7	8
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.

7. 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.

8. Open a file in GIMP. Create the picture of Indian flag.
Save the file with name 'INDIA.XCF'. Export it to 'jpg' format.
9. 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.

10. Enter the following data using spreadsheet software:

Name	Mark1	Mark2	Mark3	Total	Percentage	Grade
Amit	80	70	80			
Renu	70	60	90			
Rajeev	60	50	80			
Manish	50	30	90			
Sanjeev	40	40	80			
Anita	70	70	90			

Do the following:

- a. Save the file with name 'STUDENT'.
 - b. Compute the total marks and percentage of each student by entering appropriate formula.
 - c. Compute the grades based on following criteria:
 - if percentage ≥ 90 then grade=A
 - if percentage ≥ 80 and < 90 then grade = B
 - if percentage ≥ 70 and < 80 then grade = C
 - if percentage ≥ 60 and < 70 then grade = D
 - if percentage < 60 then grade= E
11. 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.
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. Open a new document in Writer. Type the following matter and do the given

MICROCOMPUTERS

The Microcomputer has the lowest level capacity. The machine has memories that are generally made of semiconductors fabricated on silicon chips. Large -scale

production of silicon chips began in 1971 and this has been of great use in the production of microcomputers. The Microcomputer is a digital computer system that is controlled by a stored program that uses a microprocessor, a programmable ROM and RAM. The ROM defines the instructions to be executed by the computer while RAM is the functional equivalent of computer memory.

- a. Save the file with name 'COMPUTER'.
- b. Centralise the heading 'MICROCOMPUTER'.
- c. Change the font face of the paragraph to 'Times New Roman' and font size to 14.
- d. Bold face and underline the paragraph headings.
- e. Change the colour of the heading text to Green and paragraph to Blue.
- f. Copy the first sentence of the paragraph and place it at the end.
- g. Change the line spacing of the paragraph to double spacing and justify the paragraph.
- h. Save the document.

14. Open a new document in Writer. Type the following matter and do the given tasks:

MICROCOMPUTERS

The Microcomputer has the lowest level capacity. The machine has memories that are generally made of semiconductors fabricated on silicon chips. Large-scale production of silicon chips began in 1971 and this has been of great use in the production of microcomputers. The Microcomputer is a digital computer system that is controlled by a stored program that uses a microprocessor, a programmable ROM and RAM. The ROM defines the instructions to be executed by the computer while RAM is the functional equivalent of computer memory.

- a. Save the document with name 'MICRO'.
- b. Centralise the heading and make it Bold, Italic & underlined.
- c. Search the word ROM in the paragraph and replace it with 'Read Only Memory'.
- d. Copy the same format of the paragraph heading to the word RAM in the paragraph using a button present in the toolbar.
- e. Change the left margin of the page to 3 cm and right margin to 2.5 cm. Save the file again.

15. Suppose your school day is planned to be celebrated on the next Monday. Invitation letters are to be sent to the nearby schools addressed to respective principals. The content of the letter is same, but the sending addresses are different. Use mail merge facility to do the task.
Sample letter is given below.

From
The Principal,
Name of your school,
Place.

To
Mr/Ms/Mrs....

Sir/Madam,
Sub- Invitation

This is to inform you that our school anniversary is planned to be conducted on next Friday. You are invited to attend the function.

Yours faithfully
Principal

Place
Date

Sample addresses are listed below:

1. Principal, St Paul's H.S.S, Attingal
2. Principal, Model H.S.S, Varkala
3. Principal, New H.S.S, Pallickal
4. Principal, Al Mina H.S.S, Alamcode

PART B - Web Applications/CSS

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 simple web page about your school. Create another web page named address.htm containing the school address. Give links from school page to address.htm.
3. Design a personal web page for your friend. It should have a link to his e-mail address.

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

Permanent members in UN Security Council

- Russia
- China
- USA
- UK
- France

5. Design a web page containing a table as shown below.

Speed Limits In Kerala

Vehicles	Near school (In km/hour)	Within Corporation/Municipality (In Km/hour)	In other roads (In km/hour)
Motor Cycle	25	40	50
Motor Car	25	40	70
Light motor vehicles	25	40	60
Heavy motor vehicles	15	35	60

6. Design a simple web page as shown below:

Client Login

Enter User Name

Enter Your Password

Submit

Clear

7. Design a web page that promotes cleanliness in public places. The web pages should contain a description for cleanliness, images and a set of instructions for keeping public places clean. The CSS style rules should be specified as external style sheet using class selectors. Following are the style rules to be followed.

Headings: font-Tahoma, size-18, colour- green, underline

Paragraphs: Font-Garamond, size-12, colour-blue.

Lists: Font-Arial, Size-12, Colour-brown, Italics, line height should be 1.5 lines.

The paragraphs should have margin of 30 pixels and background colour yellow.

8. 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.

9. 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
Humanities	Communicative English	80
	Gandhian Studies	90
	Social Work	85
	Computer Applications	100

10. Design a web page on Akshaya Centers in Kerala. Use an external style sheet to format the web page. Give suitable font, colour and line spacing for heading and paragraphs using type selector.

11. Design a web page showing the following:

Road Safety Regulations

- Do's
 1. Use helmet while driving two wheelers
 2. All passengers should use seat belts in four wheelers
 3. Give priority for pedestrians.
 4. Keep your licence and vehicle records while driving
- Do not's
 - a. Do not use mobile phone while driving
 - b. Do not drink and drive.
 - c. Do not over speed

12. Design a web page showing tourist destinations in kerala as shown below.

Department of Tourism

Government of Kerala

Tourist destinations in Kerala

1. Beaches
 - a. Kovalam
 - b. Muzhuppilangad
 - c. Kappad
2. Hill stations
 - i. Munnar
 - ii Wayanad
 - iii Gavi

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	

- Update the column Total with the sum of Mark1, Mark2 and Mark3.
List the details of students in Commerce batch.
- Display the name and total marks of students who are failed (Total < 90).
- Display the name and batch of those students who scored 90 or more in Mark1 and Mark2.
- 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)	

- Update DA with 75% of Basic.
- Display the details of employees in purchase, sales and HR departments.
- Update the Gross_pay with the sum of Basic and DA.
- Display the details of employee with gross pay below 10000.
- Delete all the clerks from the table.

3. Create a table Stock, which stores daily sales of items in shop, with the following fields and insert at least 10 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	

- Display the details of items which expire after 31/3/2016 in the order of expiry date.
- Find the number of items manufactured by the company "SATA".

c. Remove the items which expire between 31/12/2015 and 01/06/2016.

- d. Add a new column reorder in the table to store the reorder level of items.
- e. Update the column Reorder with value obtained by deducting 10% of the current stock.

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

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

- a. Create a view containing the details of books published by SCERT.
- b. Display the average price of books published by each publisher.
- c. Display the publisher and number of books of each publisher in the descending order of the count.
- d. Display the publisher and number of books of each publisher in the descending order of the count.
- e. Display the title, current price, and the price after a discount of 10% in the alphabetical order of book title.

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 branch wise details of account holders in the ascending order of the amount.
- b. Insert a new column named Minimum_Amount into the table with default value 1000.
- c. Update the Minimum_Amount column with the value 1000 for the customers in branches other than Alappuzha and Malappuram.
- d. Find the number of customers who do not have the minimum amount 1000.
- e. Remove the details of SB accounts from Thiruvananthapuram branch who have zero(0) balance in their account.
