



UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

Academic Year 2020 – 1st Year Examination – Semester 1

IT1306 – Free and Open Source Software for Personal Computing
Multiple Choice Question Paper

2020
(TWO HOURS)

Important Instructions :

- The duration of the paper is 2 (two) hours.
- The medium of instruction and questions is English.
- The paper has 40 questions and 13 pages.
- All questions are of the MCQ (Multiple Choice Questions) type.
- All questions should be answered.
- **Each question has 5 (five) choices with ONE correct answer.**
- All questions will carry equal marks.
- There will be a penalty for selecting multiple responses as there is ONLY ONE correct answer.
- The mark given for a question will vary from 0 (*No correct choice is marked*) to +1 (*The correct choice is marked*).
- Answers should be marked on the special answer sheet provided.
- Note that questions appear on both sides of the paper.
If a page is not printed, please inform the supervisor immediately.
- Mark the correct choices on the question paper first and then transfer them to the given answer sheet which will be machine marked. Please completely read and follow the instructions given on the other side of the answer sheet before you shade your correct choices.
- Calculators are not allowed.
- *All Rights Reserved.*

1) Which of the following is an example for Free and Open-Source Software?

- | | | |
|----------------------|------------------------------------|---------------------|
| (a) Microsoft Office | (b) Mac operating system | (c) Adobe Photoshop |
| (d) Google Docs | (e) GNU Image Manipulation Program | |

2) Consider the following statements.

- I. The copyright holder grants users the right to change and distribute the software to anyone.
- II. Collaborative development of a piece of code is NOT allowed.
- III. Anyone is allowed to fix bugs that are reported by others.

Which of the above statements is/are correct regarding Free and Open-Source Software?

- | | | |
|-------------------------|--------------------------|------------------------|
| (a) (I) Only. | (b) (II) Only. | (c) (I) and (II) Only. |
| (d) (I) and (III) Only. | (e) (I), (II) and (III). | |

3) Which of the following commands is used to delete only files within a directory?

- | | | |
|------------|------------|---------|
| (a) rmdir | (b) rm | (c) del |
| (d) deldir | (e) delete | |

Answer questions 4 and 5 based on the description below.

Suppose one needs to create the following directory structure in the root directory to save a new writer document called “practiceExam1.odt” as shown below.

IT1306 → Exam 20 → “practiceExam1.odt”

Assumption: Currently, the user is in the root directory.

4) Which of the following command should one use to create the given folder structure?

- | | | |
|--------------------------|----------------------------------|---------------------------------|
| (a) mkdir Exam 20 IT1306 | (b) mkdir IT1306 ‘Exam 20’ | (c) mkdir -p “IT1306”/“Exam 20” |
| (d) mk IT1306 “Exam 20” | (e) mkdir -p Home/IT1306/Exam 20 | |

5) Suppose now you are in the directory “Exam 20”.

Which of the following command will take you to the root directory?

- | | | |
|-----------|------------|-----------|
| (a) cd .. | (b) cd / | (c) ls .. |
| (d) ls / | (e) cd “/” | |

6) Consider the following word processing applications.

- I. LibreOffice Writer
- II. OpenOffice Writer
- III. Microsoft Office Word

A document saved using the “.odt” extension can be opened for editing using

- | | | |
|-------------------------|--------------------------|------------------------|
| (a) (I) Only. | (b) (II) Only. | (c) (I) and (II) Only. |
| (d) (I) and (III) Only. | (e) (I), (II) and (III). | |

Consider the following text typed in LibreOffice Writer to answer questions 7 and 8.

Para1

The history of higher education in Sri Lanka is closely linked to that of the University of Colombo established in the year 1870, as the Ceylon Medical College by the Government of that day under the leadership of Governor, Sir Hercules Robinson. The University of Colombo could claim to have been associated with higher education for over 100 years. This is an important legacy that all undergraduates who join the University of Colombo must be aware of and be proud of.

Para2

The vision of the University of Colombo, is to become a centre of excellence of international repute that contributes significantly to the national development and human resource development, particularly in the South Asian region. Conscious of its long traditions as a leading tertiary education institution in the Island, it promotes scholarship and research. It seeks to create and sustain a culture of learning and critical inquiry that respects viewpoint differences, inculcating a sense of social responsibility and service and commitment to democratic values in a plural society.

Figure 1: Unformatted Text

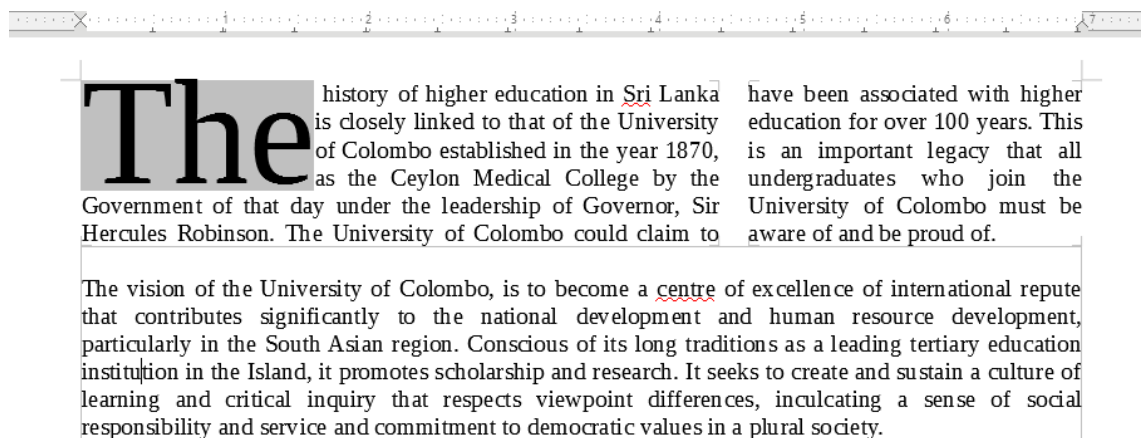
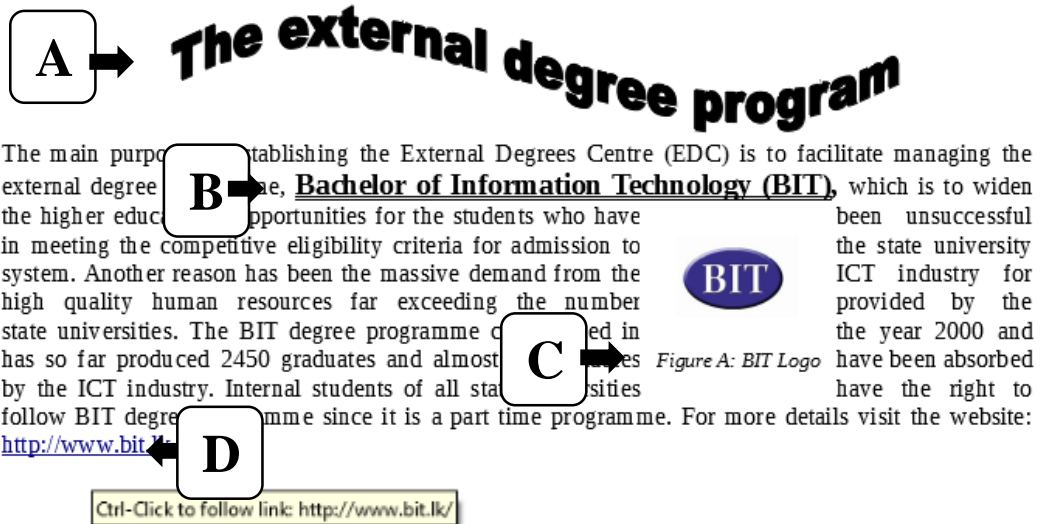


Figure 2: Formatted Document using LibreOffice Writer

- 7) Which of the following statements is correct regarding the formatting options applied to render Figure 1 as Figure 2?
- (a) Both paragraphs are formatted using tables and left-aligned in Figure 2.
 - (b) Only the 'Para 1' is formatted using two (2) columns, and both paragraphs are justified in Figure 2.
 - (c) 'Para 1' and 'Para 2' are formatted using a table and a text box, respectively.
 - (d) Right-aligned tabs are applied without the fill character option.
 - (e) Only the 'Para 1' is formatted using tabs, and both paragraphs are justified in Figure 2.
- 8) Which of the following is used to format the first word "The"?
- (a) a text box and by applying the option 'Wrap right.'
 - (b) 'Heading 1' and setting the background option to the color gray.
 - (c) 'Hanging indent' and placing the anchor to the character.
 - (d) 'Drop caps' and setting the lines option to four (4).
 - (e) 'Character' formatting option by increasing the font size and setting the font style to 'Bold.'

Answer questions 9 and 10 based on the following document segment designed using LibreOffice Writer.



9) Which of the following gives the correct matching of the elements or formats used in the document?

- (a) A→Text; B→Bold and Italic; C→Footnote; D→Link.
- (b) A→FontWork; B→Bold & Line; C→Comment; D→ Hyperlink.
- (c) A→ Frame; B→ Bold & Overline; C→ Cross Reference; D→ Field.
- (d) A→Frame; B→Bold & Underline; C→Figure Title ; D→ Link
- (e) A→FontWork; B→Bold & Underline; C→Figure Caption; D→Hyperlink.

10) Which of the following wrapping option is used to place 'Figure A' within the text?

- (a) No Wrap.
- (b) Wrap Through.
- (c) Wrap Left.
- (d) Optimal PageWrap.
- (e) Wrap Right.

11) Identify the correct statement regarding cross-references in LibreOffice Writer.

- (a) Cross-Reference is another name given for Hyperlinks.
- (b) Cross-References will remain active when the document is saved to HTML.
- (c) Cross-References will get deactivated when the document is exported to PDF.
- (d) *Ctrl+Click* on the cross-referenced link will direct to the cross-referenced item.
- (e) Figures in a document cannot be cross-referenced within the text.

12) Which of the following statements is correct regarding structuring and organizing the document?

- (a) Changes made to the heading in a LibreOffice Writer document will NOT reflect automatically in an already existing Table of Content until it is updated.
- (b) Once an Alphabetical Index is created using LibreOffice Writer, the appearance of the Index cannot be customized.
- (c) Only pre-defined indices such as 'Index of Table' are allowed in a LibreOffice Writer document, and user define Index creation is NOT permitted.
- (d) Only the references stored in a bibliographic database can be applied to a LibreOffice Writer document as a bibliographic entry.
- (e) In LibreOffice Writer, an Index for 'Table of Figures' can only be generated manually (by typing one by one) even if the figures are properly formatted using figure captions.

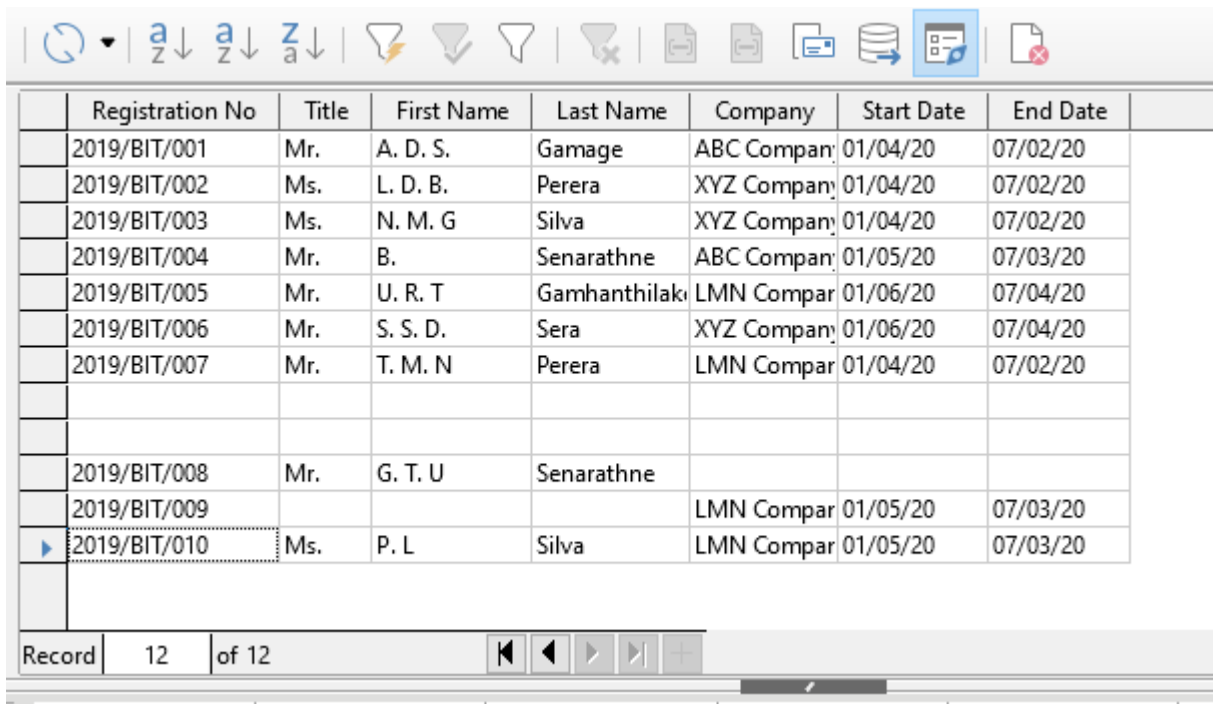
13) Consider the following applications.

- I. Microsoft Access
- II. Writer Document
- III. Spreadsheet

Which of the above applications can be used as a data source to design a mail merge document in LibreOffice Writer?

- | | | |
|-------------------------|--------------------------|-----------------|
| (a) (I) Only. | (b) (II) Only. | (c) (III) Only. |
| (d) (I) and (III) Only. | (e) (I), (II) and (III). | |

Consider the following Data Source Window (Figure 3) used to merge the document (Figure 4) created in LibreOffice Writer to answer questions 14 & 15.



Registration No	Title	First Name	Last Name	Company	Start Date	End Date
2019/BIT/001	Mr.	A. D. S.	Gamage	ABC Company	01/04/20	07/02/20
2019/BIT/002	Ms.	L. D. B.	Perera	XYZ Company	01/04/20	07/02/20
2019/BIT/003	Ms.	N. M. G	Silva	XYZ Company	01/04/20	07/02/20
2019/BIT/004	Mr.	B.	Senarathne	ABC Company	01/05/20	07/03/20
2019/BIT/005	Mr.	U. R. T	Gamhanthilaka	LMN Company	01/06/20	07/04/20
2019/BIT/006	Mr.	S. S. D.	Sera	XYZ Company	01/06/20	07/04/20
2019/BIT/007	Mr.	T. M. N	Perera	LMN Company	01/04/20	07/02/20
2019/BIT/008	Mr.	G. T. U	Senarathne			
2019/BIT/009				LMN Company	01/05/20	07/03/20
2019/BIT/010	Ms.	P. L	Silva	LMN Company	01/05/20	07/03/20

Record 12 of 12

Figure 3: Data Source Window

Date: 12/12/19

Internship Student Confirmation

This is to confirm that the student bearing the registration no <Registration No>, <Title> <Last Name> is a registered internal student for the External Degree of Bachelor of Information Systems at the University of Colombo School of Computing. As per the requirement of the degree program, he is required to complete 6 months internship at <Company> from <Start Date> to <End Date>.

Figure 4: Original Document in LibreOffice Writer

14) How many individual letters will be created/saved if one clicks on 'save merged documents' on the mail merge toolbar and selects the option 'Save as individual documents' and clicks on 'Save Documents'?

- | | | |
|-----------------|---------------|-------------|
| (a) Seven (7) | (b) Eight (8) | (c) One (1) |
| (d) Twelve (12) | (e) Zero (0) | |

- 15) Which of the following output will be generated if one opens the original document on the 30th of December 2019 and selects the arrow keys of the mail merge toolbar to navigate the record relevant to the student bearing the registration no: 2019/BIT/008?

Assumption: Date is entered as a 'Date Field' property.

a	<p>Date: 12/30/19</p> <p><u>Internship Student Confirmation</u></p> <p>This is to confirm that the student bearing the registration no 2019/BIT/008, Mr. G. T. U. Senarathne is a registered internal student for the External Degree of Bachelor of Information Systems at the University of Colombo School of Computing. As per the requirement of the degree program, he is required to complete 6 months internship at from to .</p>
b	<p>Date: 12/30/19</p> <p><u>Internship Student Confirmation</u></p> <p>This is to confirm that the student bearing the registration no 2019/BIT/008, Mr. G. T. U. Senarathne is a registered internal student for the External Degree of Bachelor of Information Systems at the University of Colombo School of Computing.</p>
c	<p>Date: 12/30/19</p> <p><u>Internship Student Confirmation</u></p> <p>This is to confirm that the student bearing the registration no 2019/BIT/008, Mr. Senarathne is a registered internal student for the External Degree of Bachelor of Information Systems at the University of Colombo School of Computing. As per the requirement of the degree program, he is required to complete 6 months internship at from to .</p>
d	<p>Date: 12/12/19</p> <p><u>Internship Student Confirmation</u></p> <p>This is to confirm that the student bearing the registration no 2019/BIT/008, Mr. Senarathne is a registered internal student for the External Degree of Bachelor of Information Systems at the University of Colombo School of Computing. As per the requirement of the degree program, he is required to complete 6 months internship at LMN Company from 01/05/20 to 07/03/20.</p>
e	<p>Date: 12/30/19</p> <p><u>Internship Student Confirmation</u></p>

16) Identify the correct statement regarding spreadsheet applications.

- (a) The default color of a sheet tab in a LibreOffice Calc spreadsheet application can NOT be changed into a different color.
- (b) Google Forms is an example of a spreadsheet application.
- (c) The extension of a spreadsheet file does NOT vary from one spreadsheet application to another.
- (d) A selected set of cells in LibreOffice Calc spreadsheet application can be exported to Portable Document Format (PDF) while including a watermark.
- (e) The Comma-separated-values (CSV) files can be opened using a spreadsheet application.

17) There are two sheets in a specific LibreOffice Calc spreadsheet application, namely 'Sheet1' and 'Sheet 2'. Suppose one selects both sheets using 'Shift + Click' and enters "TEST 1" into the cell B5.

Which of the following statement is correct regarding what would happen?

- (a) The text "TEST 1" will appear only in the cell 'B5' of 'Sheet 1.'
- (b) The text "TEST 1" will appear only in the cell 'B5' of 'Sheet 2.'
- (c) The text "TEST 1" will appear in the cell 'B5' of both 'Sheet 1' and 'Sheet 2.'
- (d) The text "TEST 1" will appear only in the sheet, which is selected first.
- (e) The text "TEST 1" will NOT appear in any sheet.

18) Consider the following spreadsheet segment created using LibreOffice Calc.

B4				\sum	=	=A4*\$B1
	A	B	C			
1	Multiplier	2				
2						
3	2's	Time Table				
4	1	2				
5	2					
6	3					
7						

What is the output one will get if one drags the fill handle to copy the formula entered in cell B4 (=A4*\$B1) to B5?

- (a) 0
- (b) 1
- (c) 2
- (d) 4
- (e) #VALUE!

19) Which of the following statements is correct regarding different chart types in LibreOffice Calc?

- (a) The background of a chart area can NOT be filled using a Bitmap image.
- (b) In a pie chart, one can show trend lines and X, Y & Z axis titles.
- (c) The data points in XY (Scatter) chart type can NOT be illustrated using different user-defined icons.
- (d) Exploded Donut chart is a type of a pie chart that can ONLY be illustrated in 3D form.
- (e) Column and line is a chart type that can be used to combine two distinct but related data series.

Answer the questions from 20-25, referring to the following spreadsheet created using LibreOffice Calc to store details of the students placed in different companies for their internships.

F13						ABC Company		
	A	B	C	D	E	F	G	H
1	No	Registration No	Title	First Name	Last Name	Company	Start Date	End Date
2	1	2019/BIT/001	Mr.	A. D. S.	Gamage	ABC Company	04/01/20	02/07/20
3	2	2019/BIT/002	Ms.	L. D. B.	Perera	XYZ Company	04/01/20	02/07/20
4	3	2019/BIT/003	Ms.	N. M. G	Silva	XYZ Company	04/01/20	02/07/20
5	4	2019/BIT/004	Mr.	B.	Senarath	ABC Company	05/01/20	03/07/20
6	5	2019/BIT/005	Mr.	U. R. T	Gamhanth	LMN Company	06/01/20	04/07/20
7	6	2019/BIT/006	Mr.	S. S. D.	Sera	XYZ Company	06/01/20	04/07/20
8	7	2019/BIT/007	Mr.	T. M. N	Perera	LMN Company	04/01/20	02/07/20
9	8	2019/BIT/008	Mr.	G. T. U	Senarathne			
10	9	2019/BIT/009	Ms.	T. C. J	Nandun	LMN Company	05/01/20	03/07/20
11	10	2019/BIT/010	Ms.	P. L	Silva	LMN Company	05/01/20	03/07/20
12								
13						ABC Company	2	
14						No of Placements	9	
15						Pending Placements	1	
16						Total Number of Students	10	
17								

20) Which of the following cell formatting is applied to the cells ranging from A1: H1?

- | | | |
|------------------|------------------------------|---------------------|
| (a) Merge Cells. | (b) Wrap text automatically. | (c) Formating Mark. |
| (d) Drop Caps. | (e) Vertically Stacked. | |

21) Suppose the cells G2:H11 are formatted using the following user-defined date format code.

Date Format Code: D. MMMM YYYY

The entry in the cell G11 will change into

- | | | |
|----------------------|-------------------|---------------------|
| (a) 5. 0001 2020 | (b) 05. JAN/ 2020 | (c) 5. January 2020 |
| (d) 05 January, 2020 | (e) 5 Jan 2020 | |

22) Consider the following formula.

- I. =CONCAT(C2, D2, E2)
- II. =CONCATENATE("Mr", "A.D.S.", "Gamage")
- III. =COMBINE(C2, D2, E2)

Which of the above formula can be used to combine the 'Title,' 'First Name' and the 'Last Name' to display the full name of the student bearing the registration No: 2019/BIT/001?

- | | | |
|------------------------|--------------------------|-----------------|
| (a) (I) Only. | (b) (II) Only. | (c) (III) Only. |
| (d) (I) and (II) Only. | (e) (I), (II) and (III). | |

- 23) The cell G13 should display the number of students placed at the company called “ABC Company.” Identify the correct formula in G13.

- (a) =COUNT(F1:F11,“ABC Company”)
 (b) =IF(EXACT(F2:F11)=F13,COUNT(F2:F11),0)
 (c) =COUNT(F2:F11, ‘F13’)
 (d) =COUNTIF(\$F\$2:\$F\$11,F13)
 (e) =SUMIF(F2:F11,F13)

- 24) Consider the following formulae to display the “No of Placements” (Non-empty cells in the company column), “Pending Placements” (Empty cells in the company column), and “Total Number of Students” in the cells G14, G15 and G16 respectively.

- I. G14 → =COUNT(A1:A11)-COUNTBLANK(F2:F11)
 II. G15 → =COUNTEMPTY(F2:F11)
 III. G16 → =COUNT(F2:F11)

Which of the above formulae is/are can be used to display the appropriate values in the given cells?

- (a) (I) Only. (b) (II) Only. (c) (III) Only.
 (d) (I) and (II) Only. (e) (I) and (III) Only.

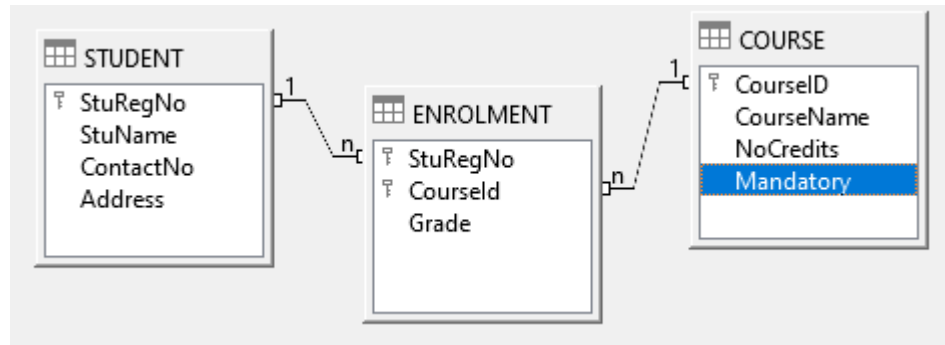
- 25) A Pivot Table can be easily generated in LibreOffice Calc to display the number of students placed at different companies, as shown below.

	A	B
1	Company ▼	Count - Registration No
2	ABC Company	2
3	LMN Company	4
4	XYZ Company	3
5	(empty)	1
6	Total Result	10
7		

Which of the following Pivot Table Layouts should be used to obtain the above table?

- (a) Column Fields: Data, Registration No; Row Fields: Company; Data Fields: Sum-No.
 (b) Column Fields: Company; Row Fields: Company; Data Fields: Data.
 (c) Column Fields: No; Row Fields: Company; Data Fields: Count-No.
 (d) Column Fields: Data; Row Fields: Company; Data Fields: Count-Registration No.
 (e) Column Fields: All; Row Fields: Registration No; Data Fields: Data.

A database created using LibreOffice Base has three tables, namely STUDENT, COURSE, and ENROLMENT. Consider the Relation Design view below that illustrates the relationship between the tables to answer the questions from 26-28.



26) Which of the following field(s) is/are included in the primary key of the table 'ENROLMENT'.

- I. StuRegNo
- II. CourseId
- III. Grade

- | | | |
|------------------------|--------------------------|-----------------|
| (a) (I) Only | (b) (II) Only. | (c) (III) Only. |
| (d) (I) and (II) Only. | (e) (I), (II) and (III). | |

27) Identify the most suitable field types for the variables in the 'COURSE' table, if CourseID starts with 'BITxxx' where x denotes a digit, NoCredits has value 2 or 3 and Mandatory field records whether the course is mandatory to follow or NOT.

- | |
|---|
| (a) CourseID (NUMERIC, 5); CourseName (CHAR,20); NoCredits (SMALLINT,2); Mandatory (OTHER, 1)
(b) CourseID (CHAR, 5); CourseName (VARCHAR,20); NoCredits (SMALLINT,2); Mandatory (BOOLEAN)
(c) CourseID (VARCHAR, 5); CourseName (VARCHAR,20); NoCredits (BOOLEAN,2); Mandatory (OTHER, 1)
(d) CourseID (NUMERIC, 3, Default Value-BIT); CourseName (VARCHAR,20); NoCredits (SMALLINT,2); Mandatory (OTHER, 1)
(e) CourseID (CHAR, 5); CourseName (CHAR,20); NoCredits (BOOLEAN, 2); Mandatory (OTHER, 1) |
|---|

28) Which of the statements below is correct if one selected both 'Update Cascade' and 'Delete Cascade' from the relations window when creating the relationships?

- | |
|---|
| (a) The existing 'StuRegNo' of one student in the 'STUDENT' table can only be updated if the current records relevant to that student in the 'ENROLMENT' table is manually updated.
(b) Updating an existing 'StuRegNo' of one student in 'STUDENT' table is NOT valid if there are current records relevant to that student in the 'ENROLMENT'.
(c) Deleting records relevant to one student in the 'ENROLMENT' table will generate an error if there are records related to that student in both the 'STUDENT' and 'COURSE' table.
(d) If a record is deleted from the 'STUDENT' table, all records relevant to that student in the 'ENROLMENT' table will also be deleted automatically.
(e) The non-existing student in the 'STUDENT' table can be added using the 'ENROLMENT' table and the 'STUDENT' table will be updated accordingly. |
|---|

- 29) The following query (Figure 5) is designed to display the number of students enrolled in each course in the descending order of the total numbers, as shown in Table 1.

Field	CourseId	StuRegNo
Alias		
Table	ENROLMENT	ENROLMENT
Sort		
Visible	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Function		
Criterion		
Or		

Figure 5: Incomplete Query

CourseId	No of Students
BIT102	34
BIT101	25
BIT106	14
BIT105	10
BIT103	7
BIT104	5

Table 1: Query Result

Identify suitable values for 'Function,' 'Criteria' and 'Sort' needed to obtain the given query output, under CourseID,StuRegNo.

- (a) CourseId (Sort: Decending, Function: COUNT), StuRegNo (Function: COUNT)
- (b) CourseId (Function: GROUP), StuRegNo (Sort: Decending, Function: COUNT)
- (c) CourseId (Function: COUNT), StuRegNo (Sort: Decending, Criteria: GROUP)
- (d) CourseId (Function: GROUP), StuRegNo (Function: SUM, Criteria: Decending)
- (e) CourseId (Criteria: COUNT), StuRegNo (Sort: Decending, Function: GROUP)

- 30) The direct entry of SQL commands using Tools →SQL, will let one

- I. CREATE TABLE.
- II. ALTER TABLE.
- III. DELETE TABLE.

- (a) (I) Only.
- (b) (I) and (II) Only.
- (c) (I) and (III) Only
- (d) (II) and (III) Only.
- (e) (I), (II) and (III).

- 31) Which of the following statements is correct regarding forms and reports in LibreOffice Base?

- (a) The Reports are used to enter data directly into the tables in Base.
- (b) The Reports widget in Base does NOT allow to create charts to display data.
- (c) List box properties window that appears when a list box is added into a form can be used to enter the type of list contents using SQL.
- (d) Different functions such as mathematical and logical functions are only allowed in forms but NOT in reports.
- (e) Both forms and reports can include sub-forms and sub-reports, respectively.

- 32) The slide sorter view in LibreOffice Impress allows one to,

- I. add or delete a new slide.
- II. change the transition of the selected slides.
- III. change the order of the slides.

- (a) (I) Only.
- (b) (III) Only.
- (c) (I) and (III) Only.
- (d) (II) and (III) Only.
- (e) (I), (II) and (III).

33) Which of the following statements is correct regarding the slide masters in LibreOffice Impress?

- (a) A specific slide presentation can have only ONE slide master.
- (b) All the slides based on a specific slide master will be changed accordingly if the style of the slide master is changed.
- (c) Individual slides designed based on a slide master cannot be modified without affecting the slide master.
- (d) The master handouts option in LibreOffice Impress can also be used to format individual slides similar to master slides.
- (e) The existing fields 'Author' and the 'File Name' are NOT allowed to insert into a master slide when modifying an existing master slide.

34) Consider the following statements.

- I. In a single image, ONLY ONE hotspot can be included.
- II. Clicking on a hotspot causes Impress to open the linked page in the appropriate program.
- III. Hotspots can be created in such a way that the user-defined text appears when the mouse cursor hovers over the hotspot.

Which of the above statements is/are correct regarding 'Image maps' in LibreOffice Impress?

- | | | |
|-------------------------|--------------------------|------------------------|
| (a) (I) Only. | (b) (II) Only. | (c) (I) and (II) Only. |
| (d) (I) and (III) Only. | (e) (II) and (III) Only. | |

35) LibreOffice Impress provides tools to organize a slide show, _____ .

- I. including a presenter console.
- II. to run the show automatically or manually.
- III. to manage interactions for buttons and links.

Identify the correct statement(s) to fill in the blank.

- | | | |
|--------------------------|--------------------------|------------------------|
| (a) (II) Only. | (b) (III) Only. | (c) (I) and (II) Only. |
| (d) (II) and (III) Only. | (e) (I), (II) and (III). | |

36) Which of the following is an example of a Proprietary Graphic Design tool?

- | | | |
|---------------------|--------------|----------------------|
| (a) Adobe Photoshop | (b) InkScape | (c) LibreOffice Draw |
| (d) Google Slides | (e) SVG-Edit | |

37) Consider the following statements.

- I. Painting tool - Gradient; Selection tool - Flip; Transformation tool - Scale.
- II. Painting tool - Clone; Selection tool - Intelligent Scissors; Transformation tool - Shear.
- III. Painting tool - Heal; Selection tool - Foreground Select; Transformation tool - Flip.

Which of the above is/are an example(s) for painting, selection, and transformation tools of GIMP?

- | | | |
|------------------------|--------------------------|-----------------|
| (a) (I) Only. | (b) (II) Only. | (c) (III) Only. |
| (d) (I) and (II) Only. | (e) (II) and (III) Only. | |

38) The tool 'Unified Transform',

- I. displays several kinds of handles on the edges of an image to perform several transformations.
- II. allows selecting the transforming area by setting anchor points.
- III. provides infinite possibilities of transformations to be applied to an image.




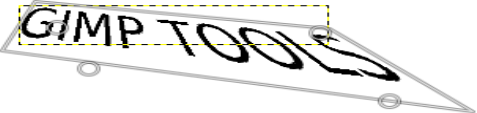
Which of the above sentences is/are correct regarding the tool, 'Unified Transform'?

- | | | |
|-------------------------|--------------------------|------------------------|
| (a) (I) Only | (b) (II) Only. | (c) (I) and (II) Only. |
| (d) (I) and (III) Only. | (e) (II) and (III) Only. | |

39) Which of the following statements is correct regarding different tools in GIMP?

- | |
|---|
| <ul style="list-style-type: none"> (a) The paths tool can be used to create closed paths and apply different styles to the path. (b) A text created using the Text tool can be transformed into a path using the perspective tool. (c) The output is the same when one applies the Heal or the Clone tool to repair problem areas in a digital image. (d) The Perspective clone tool uses the current brush to blur or sharpen the image locally. (e) The bucket fill only lets one to fill the shape using a color, but NOT using a pattern fill. |
|---|

40) The 'Handle Transform' tool in GIMP handles four (4) transforms. Identify the transforms denoted by A-D.

Original Image		GIMP TOOLS	
A		C	
B		D	

- | |
|---|
| <ul style="list-style-type: none"> (a) A- Linear Scale; B- Rectangle Select; C-Clone; D- Shear. (b) A- Change perspective; B- Scissor Select; C- Magicwand & Scale; D- Shear & Scale. (c) A- Flip & Scale; B- Cage Transform; C- Measure & Scale; D- Change perspective. (d) A- Rotate & Scale; B-Move; C- Shear & Scale; D-Change perspective & Scale. (e) A- Rotate & Flip; B-Crop & Move; C-Drag & Scale; D- Measure & Shear. |
|---|
