

**Bachelor of Computer Applications  
(Revised) (BCA)**

**Term-End Examination**

**December, 2018**

**COMPUTER BASICS AND PC SOFTWARE LAB.**

*Time : 2 Hours*

*Maximum Marks : 100*

*(Weightage : 50)*

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**Note :** There are *five* questions carrying 80 marks. The rest of 20 marks are for viva-voce. All questions are compulsory.

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1. (a) Execute the following Linux commands : 10
- (i) cat
  - (ii) finger
  - (iii) diff
  - (iv) wc
  - (v) who am i
- (b) Write all the steps for installing device drivers on your system. 6

2. (a) Design a flyer for a workshop titled "2 days workshop on Linux Administration" using different styles, fonts and effects. 10
- (b) Create the following formulae : 6
- (i)  ${}^n C_m$
- (ii)  $\sum_{i=1}^n X_i / y$
3. Create a PowerPoint presentation on course contents of BCSL-013 : 16
- (a) All slides should have proper headings and should have slide notes.
- (b) There should be timer-based transition to the next slide.
- (c) Add an image to the last slide from the sample image file.
4. (a) Below are the details of monthly income and expenditure data. You are required to create a spreadsheet in appropriate format for the sample labels and data and create formulae to calculate total income, total expenses, total taxes, profit in percentages. 10
- (b) Create a bar chart for expenses and income columns. 3
- (c) Create a pie chart of % (percentage) column. 3

### Monthly Income, Taxes and Expenditure

Month	Income	Tax (5%)	Income after Paying Tax	Expenses	Profit (%)
January	20,000.00			8,000.00	
February	25,000.00			10,000.00	
March	30,000.00			12,000.00	
April	28,000.00			13,000.00	
May	35,000.00			14,000.00	

5. Imagine that you are a lab instructor and want to reschedule the practical classes. You are required to reschedule your calendar, book a classroom and other resources, send an e-mail through your signature and setting up an alert in the desktop to notify whenever e-mails are received in your e-mail box.