



**HDQ-1603220001010300** Seat No. \_\_\_\_\_

**B. Sc. (Bioinformatics) (Sem. I) (CBCS) Examination**

November / December – 2017

**BI-103 : Introduction to Computer Programming**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- Instructions :** (1) All questions are compulsory.  
(2) The right side figure indicate total marks of the question.

- 1 Attempt the following : **14**
- (a) Answer the following short questions: (All compulsory) **4**
- (1) ENIAC stands for?
  - (2) MICR stands for?
  - (3) What does ASCII stands for?
  - (4) The Second Generation of Computer was based on?
- (b) Answer any **one** of the following short questions : **2**
- (1) Define Storage Device
  - (2) Define Pointing Device
- (c) Answer any **one** of the following short questions : **3**
- (1) Explain block diagram of computer?
  - (2) Explain features of CPU?
- (d) Explain any **one** of the following questions in details : **5**
- (1) Explain classification of computer?
  - (2) Explain types of printer with example?

- 2** Attempt the following : **14**
- (a) Answer the following short questions : (All compulsory) **4**
- (1) Which computer was developed in the second generation?
  - (2) Oval shaped symbol is used in flowcharts to show the \_\_\_\_\_
  - (3) Assembly language and machine language is also called \_\_\_\_\_
  - (4) What is a firmware?
- (b) Answer any **one** of the following short questions : **2**
- (1) Give difference between software and hardware.
  - (2) Define: System software.
- (c) Answer any **one** of the following short questions : **3**
- (1) List the symbols of flowchart with appropriate label.
  - (2) Give the difference between compiler and interpreter
- (d) Explain any **one** of the following questions in details : **5**
- (1) Draw a flowchart to print prime numbers from 1 to 15.
  - (2) Explain algorithm? Write a algorithm to print even numbers from 1 to 30?
- 3** Attempt the following : **14**
- (a) Answer the following short questions: (All compulsory) **4**
- (1) The primary job of the operating system is \_\_\_\_\_
  - (2) FTP stands for?
  - (3) Who is called the supervisor of computer activity?
  - (4) ATM stands for?

- (b) Answer any **one** of the following short questions :       **2**
- (1) Define: Client / Server?
  - (2) Define: Proxy server
- (c) Answer any **one** of the following short questions :       **3**
- (1) Explain functions of server?
  - (2) Explain the features of Unix OS?
- (d) Explain any **one** of the following questions in details :   **5**
- (1) Explain types of server?
  - (2) Explain types of operating system?
- 4** Attempt following :   **14**
- (a) Answer the following short questions: (All compulsory)   **4**
- (1) Intranet is \_\_\_\_\_
  - (2) What is BSNL?
  - (3) IPV4 addressed-have a size of \_\_\_\_\_
  - (4) What is the meaning of 'BCC' in case of E-mail?
- (b) Answer any **one** of the following short questions :       **2**
- (1) Define: Domain.
  - (2) Define: Virus.
- (c) Answer any **one** of the following short questions :       **3**
- (1) Explain types of LAN with example?
  - (2) Explain use of firewall ?
- (d) Explain any **one** of the following questions in details :   **5**
- (1) Explain types of domain with example.
  - (2) Write a short note on Internet Addressing?

- 5 Attempt the following : 14
- (a) Answer the following short questions: (All compulsory) 4
- (1) Who is the developer of UNIX operating system?
  - (2) Which command is used to move the data from one file to another file?
  - (3) Which command is used to remove the file?
  - (4) Which is the core of the Unix Operating System ?
- (b) Answer any **one** of the following short questions : 2
- (1) Define : Shell.
  - (2) Define : UNIX File system.
- (c) Answer any **one** of the following short questions : 3
- (1) What the features of Bourne shell.
  - (2) Explain if statement with example.
- (d) Explain any **one** of the following questions in details 5
- (1) Explain pipe commands with example.
  - (2) Write a shell script to check whether the input name is a file or directory.
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