

This question paper contains 2 printed pages]

GF—01—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CS) (First Semester) EXAMINATION

APRIL/MAY, 2023

(CBCS/Revised Pattern)

COMPUTER SCIENCE

Paper BCS-101-B

(Basics of Computer Science)

(Wednesday, 19-4-2023)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if required.

(iv) Use of any electronic media such as mobile phone, digital diary and electronic calculator is not permitted.

1. Attempt any *five* of the following (3 marks each) : 15

(a) Explain mainframe computer.

(b) Explain Mouse.

(c) What is RAM ?

(d) Explain USB flash Drive.

(e) Explain E-mail.

(f) Explain Workstation.

(g) Explain Compact disc.

P.T.O.

2. Attempt any *three* of the following (5 marks each) : 15
- (a) Explain characteristics of computer.
 - (b) Explain third and fourth generations of computer.
 - (c) What is Input device ? Explain keyboard in detail.
 - (d) What is Output device ? Explain any *one* type of printer in detail.
 - (e) What is ROM ? Explain different types of ROM in detail.
3. Attempt any *three* of the following (5 marks each) : 15
- (a) Explain Hard disk drive in detail.
 - (b) What is Operating System ? Explain Windows operating system.
 - (c) Explain memory card in detail.
 - (d) Explain Linux operating system in detail.
 - (e) Explain Disk operating system in detail.
4. Attempt any *three* of the following (5 marks each) : 15
- (a) What is Network ? Explain LAN in detail.
 - (b) Explain OSI reference model in detail.
 - (c) What is Web Browser ? Explain different types of web browser.
 - (d) Explain file transfer protocol.
 - (e) Explain data transmission modes in detail.
5. Write short notes on any *three* of the following (5 marks each) : 15
- (a) Client and Server
 - (b) Biometric devices
 - (c) Trackball
 - (d) Digital versatile disk
 - (e) MAN.