

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, JANUARY 2012

(CCSS)

Microbiology—Complementary

MB 1C 03—COMPUTER APPLICATIONS—FUNDAMENTALS

Time : Three Hours

Maximum : 30 Weightage

Section A*Answer all questions.**Each question carries $\frac{1}{4}$ weightage.*

1. Which of the following is not a part of a computer ?
(a) Bus. (b) ALU.
(c) CU. (d) Data Card.
2. Which of the following is an auxiliary memory ?
(a) Hard Disk. (b) Compact Disk.
(c) DVD. (d) All of the above.
3. A nibble constitutes :
(a) 4 bits. (b) 8 bits.
(c) 16 bits. (d) 32 bits.
4. Which of the following is an output device ?
(a) Optical Card Reader. (b) Optical Mark Reader.
(c) Joystick. (d) Ink Jet Printer.
5. Find the odd man out :
(a) Linux. (b) DOS.
(c) Windows. (d) Office 2000.
6. Which of the following is an interpreter ?
(a) Pascal. (b) C Language.
(c) BASIC. (d) C++.
7. Find the old man out :
(a) Pascal. (b) C.
(c) BASIC. (d) C++.

Turn over

8. Which of the following shortcut is used to find and replace a word in MS Word ?
(a) Ctrl + F and Ctrl + H. (b) Ctrl + H and Ctrl + F.
(c) Ctrl + L and Ctrl + H. (d) Ctrl + F and Ctrl + R.
9. Which shortcut method is used for opening a document in MS Word ?
(a) Ctrl + L. (b) Ctrl⁹ + O.
(c) Ctrl + N. (d) Ctrl + F.
10. The number of rows in an Excel worksheet ?
(a) 65,536. (b) 65,356.
(c) 65,546. (d) 65,456.
11. What is the limit of significant digits in Excel ?
(a) 12. (b) 09.
(c) 15. (d) 22.
12. What will be the standard format for PowerPoint presentations ?
(a) .ppt. (b) .docx.
(c) .xls. (d) .pdf.

(12 x ¼ = 3 weightage)

Section B

*Answer **all** questions.
Each question carries 1 weightage.*

13. What is RAM ?
14. What is OMR ?
15. Define System software.
16. Explain Operating Systems.
17. Distinguish between compiler and interpreter.
18. How will you print a Word document ?
19. How will you copy data from selected cells of Excel ?
20. Explain how will add a header to a side in PowerPoint.
21. What do you mean by slide transition ?

(9 x 1 = 9 weightage)

III. Answer any *five* questions :

22. Outline alcoholic fermentation.
23. Draw Lineweaver Burk plot and indicate how it can be used to calculate V_{max} and K_m .
24. Describe the effect of pH and temperature on the velocity of enzymes.
25. What are the features of competitive inhibition ?
26. What is the importance of pentose phosphate pathway ?
27. Differentiate between substrate level oxidation and oxidative phosphorylation.
28. Describe the glyoxylate cycle.

(5 x 2 = 10 weightage)

IV. Answer any *two* questions :

29. Describe the reactions of glycolysis and mark the irreversible steps in glycolysis.
30. Describe the arrangements of complexes in the electron transport chain and mark the sites of ATP formation in the chain.
31. Describe the sliding filament theory of muscle contraction.

(2 x 4 = 8 weightage)