PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(Fifth Semester)

Branch – ZOOLOGY

COMPUTER APPLICATIONS IN BIOLOGY

Time: Three Hours   Maximum: 50 Marks

SECTION-A (5 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (5 x 1 = 5)

1   Which part of the computer is called "brain of computer"?
(i)   ALU   (ii) HDD
(iii) CPU   (iv) Memory

2   In Excel application CTRL+D short cut is used to
(i)   Open font dialog box   (ii) Fill down in the selection
(iii) Open format dialog box   (iv) Copy the formula in the cell

3   ....is used to search for specific data in Microsoft Access
(i)   Form   (ii) Repot
(iii) Table   (iv) Query

4   The IP address is in ....format.
(i)   34 bit   (ii) 64 bit
(iii) 32 bit   (iv) 16 bit

5   Choose the residues which is most likely to be present in the interior of a protein
(i)   Arg   (ii) His
(iii) Val   (iv) Asp

SECTION - B (15 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks   (5 x 3 = 15)

6   a What is editing in MS Word?
                        OR
     b State the procedure to print a document.

7   a What are the uses of template in power point?
                        OR
     b What you mean by cell range in MS Excel?

8   a What are the data types used in MS Access?
                        OR
     b What are the uses of "Form" in MS Access?

Cont...

9   a What is web server?

OR

   b What is consumer IP address?

10   a Comment on NCBI data base.

OR

   b How do you access a 3D protein structure?

SECTION -C (30 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks   (5 x 6 = 30)

11 a   Highlight the basic structure of a computer.

OR

   b   Elucidate the methodology of table creation in MS Word.

12 a   How do you create a pie chart? Explain with your own data.

OR

   b   Discuss the importance of Animation in Power Point Presentation.

13 a   How do you create a new database in MS Acess?

OR

   b   How do you create a query MS Access?

14 a   Internet explorer is a best web browser- Justify this statement.

OR

   b   Google is a web search engine-Discuss.

15 a   Ras Mol.is molecular visualization tool – Discuss.

OR

   b   Give an elaborate essay on BLAST.

Z-Z-Z   END