

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2024
(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. What is the main function of the CPU in a computer?
(i) Storing data (ii) Executing instructions
(iii) Generating graphics (iv) Handling network connections
2. What type of chart in Excel would you use to show the parts of a whole?
(i) Line Chart (ii) Pie Chart (iii) Bar Chart (iv) Scatter Plot
3. What is the primary purpose of Microsoft PowerPoint?
(i) Word processing (ii) Spreadsheet management
(iii) Creating presentations (iv) Graphic design
4. Which of the following is a popular web browser developed by Google?
(i) Internet Explorer (ii) Safari (iii) Chrome (iv) Firefox
5. What does EMBL stand for?
(i) European Molecular Biology Laboratory
(ii) European Molecular Biobank Laboratory
(iii) European Medical Biochemistry Lab
(iv) European Mutational Biology Library

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a. How do you change the font size in Microsoft word?
OR
b. Briefly explain the following input devices (i) Key board (ii) Mouse.
- 7 a. State the common functions in Excel.
OR
b. Calculate the mean in Excel by using following data
50, 60, 70, 80, 90.
- 8 a. How to create the Title slide in MS PowerPoint?
OR
b. Discuss the importance of Animation in MS Power point.
- 9 a. Summarize the some common color mode for digital images.
OR
b. Point out the importance of E.mail.

Cont...

- 10 a. Briefly explain the methods to obtain a nucleotide sequence from DDBJ.
OR
b. Highlights the several key functions and services of EMBL related to molecular Biology and Bioinformatics.

SECTION -C (30 Marks)

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

- 11 a. Explain the output devices of a computer.
OR
b. Discuss in detail about the external storage devices.
- 12 a. Explain the various types of chart in Excel.
OR
b. What is standard deviation? What are the steps followed to calculate the standard deviation in Excel?
- 13 a. Discuss about the editing Screen of MS PowerPoint.
OR
b. Describe the Main element of Microsoft access.
- 14 a. Examine some common types of web browsers.
OR
b. Analyze the Role of Google in Biological studies.
- 15 a. Discuss the important aspects of NCBI.
OR
b. Describe the sequence analysis using BLAST.

Z-Z-Z

END