

**PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION DECEMBER 2022  
(Fifth Semester)**

Branch – **ZOOLOGY**

**COMPUTER APPLICATIONS IN BIOLOGY**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks (10 x 1 = 10)

- 1 What is the full form for GUI?  
(i) Graphical user interface (ii) Graphical use interchange  
(iii) Geographical user information (iv) Google user information
- 2 .....is the short cut key used to select the whole document in MS word.  
(i) Ctrl + L (ii) Ctrl + E (iii) Ctrl + A (iv) Ctrl + F
- 3 Which chart used to compare the data side by side?  
(i) Line chart (ii) Bar chart (iii) Pie chart (iv) Web chart
- 4 Which function key used to play the slide in power point presentation?  
(i) F2 (ii) F1 (iii) F 5 (iv) F12
- 5 A..... is a database object that you can use to create a user interface for a database application.  
(i) Query (ii) Row (iii) Report (iv) Form
- 6 .....data type is used for lengthy alphabets or alphanumeric data in MS Access.  
(i) Number (ii) Long text (iii) Short text (iv) Currency
- 7 The .....specification is an open standard developed by the World Wide Web Consortium  
(i) SVG (ii) HTML (iii) XML (iv) GUI
- 8 The Internet Time system divides the day into..... "beats".  
(i) 1050 (ii) 1200 (iii) 16 (iv) 1000
- 9 DDBJ is exchange the data with.....  
(i) European Molecular Biology Laboratory  
(ii) African Molecular Biology Laboratory  
(iii) European Modern DNA Laboratory  
(iv) African Modern DNA Laboratory
- 10 Entrez is an integrated database retrieval system that provides access ..... diverse set of databases  
(i) 45 (ii) 32 (iii) 47 (iv) 37

**SECTION - B (35 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 7 = 35)

- 11 a What is a block diagram of a system? Explain them.  
OR
- b How do you formatting an old MS Word document?

Cont...

- 12 a How do you create a pie chart in MS Excel explain with example.  
OR  
b Write a short note on slide layout views of MS Powerpoint.
- 13 a What are the basic steps need to run MS Access.  
OR  
b Why MS Access is called RDBMS? Explain it.
- 14 a Write a short note on Internet addressing.  
OR  
b Mention the importance of E-mail.
- 15 a Give a short note on Ras Mol.  
OR  
b What is 3D protein structure and how do you access it.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Write an essay on input and output devices of a computer.
- 17 What is a function in MS Excel? Explain its types and applications.
- 18 What are the data types available in MS Access? Explain them.
- 19 Google is one of the best search engines- Discuss it.
- 20 Write a detailed essay on NCBI database.

Z-Z-Z

END