

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2017
(Third Semester)

Branch- ZOOLOGY

COMPUTER APPLICATIONS IN BIOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Differentiate RAM and ROM of computers.
- 2 Write the functions of right and left click of a mouse.
- 3 What are the components of address bar of Ms Excel?
- 4 How to numbering the slides in Ms power point?
- 5 What is data access page?
- 6 What are modules in Ms Access?
- 7 Define a web search engine.
- 8 Write down any four resources of internet.
- 9 What are composite databases?
- 10 Write down the URL (Universal resource locator) for PDB and PIR database.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a How will you create a table with subdivision in Ms Word?
OR
b Discuss various external storage devices in computer.
- 12 a Explain the methodology of construction of graphs in Ms Excel programme.
OR
b Describe the home page of Ms Excel.
- 13 a Give an account on various applications of Ms Access.
OR
b Enumerate the method of creating a new database in Ms Access.
- 14 a Differentiate a Browser and a search engine.
OR
b How internet addressing is done with different prefix and suffix?
- 15 a Describe the home page and resources of NCBI database.
OR
b List out various model types available for protein 3D structure view in Rasmol.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Write an essay on creation and management of e-mail.
- 17 How various sequences are analysed and compared through BLAST programme of NCBI?
- 18 Give a detailed account on the creation and maintenance of tables and data in Ms Access.
- 19 Explain the organisation of a computer with various input devices.
- 20 Write in detail the methodology for preparation of slide show using Ms **Power Point.**