

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2019
(First Semester)

Branch – INFORMATION TECHNOLOGY

FUNDAMENTALS OF INFORMATION TECHNOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

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

- 1 Microsecond is _____.
(i) Thousands of a second (ii) Millionth of a second
(iii) Billionth of a second (iv) None of the above
- 2 Which of the following period is the second generation of computing?
(i) 1945 - 1955 (ii) 1956 - 1963
(iii) 1964 - 1971 (iv) 1974 - 1980
- 3 _____ includes the operating system and all the utilities that enable the computer to function.
(i) Application system software (ii) System software
(iii) User application software (iv) none of the above
- 4 Communications satellites orbit _____ miles above the earth.
(i) 16,000 km (ii) 26,000 km
(iii) 36,000 km (iv) 46,000 km
- 5 _____ are used to access pages of the world wide web.
(i) Web browsers (ii) Web pages
(iii) Web mining (iv) Web index
- 6 What is a program which copies itself over and over eventually causing the computer to crash?
(i) Logic bomb (ii) Worm
(iii) Trojan Horse (iv) none of the above
- 7 _____ is generally associated with the buying and selling of information, products and services via computer networks.
(i) E-commerce (ii) E-business
(iii) E-payments (iv) E-chalan
- 8 GIS stands for
(i) Geographic Information system (ii) Graphic Information System
(iii) Global Information System (iv) Geographic Instruction System
- 9 Artificial Intelligence is
(i) putting your intelligence into computer
(ii) programming with your own intelligence
(iii) making a machine intelligent (iv) playing a game
- 10 Fuzzy logic is a form of
(i) two-valued logic (ii) crisp set logic
(iii) many-valued logic (iv) binary set logic

Cont...

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a Explain about memory unit.
OR
b Explain about computer terminals.
- 12 a What are the various types of Network? Explain.
OR
b Write short notes on (i) Hub (ii) Bridge.
- 13 a What are the various applications of Internet? Explain.
OR
b Explain about security threats.
- 14 a Explain about GPS.
OR
b Write about EDI.
- 15 a Write the uses of NLP.
OR
b What are the applications of expert system? Explain.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a How computers can be classified? Explain.
OR
b Discuss about output devices
- 17 a Discuss about Network Topology.
OR
b Write the various categories of software.
- 18 a Discuss about E-mail in detail.
OR
b Discuss the various types of Internet connection.
- 19 a Discuss the components of IT.
OR
b Discuss about Mobile Communication.
- 20 a Write benefits and applications of Neural network.
OR
b Discuss about knowledge based systems.