

**BA PSYCHOLOGY
FOURTH SEMESTER
COMPUTER FUNDAMENTALS
BPY – 404**

(Use Separate Answer Scripts for Objective & Descriptive)

Duration : 3 hrs.

Full Marks : 70

[PART-A: Objective]

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1X20=20

1. What differences does the 5th generation computer from other generation computers?
a. Technological Advancement b. Object Oriented Programming
c. Scientific code d. All of the above
2. By default, on which page the header or the footer printed?
a. On first page b. On alternate page
c. On every page d. None of the above
3. Which of the following is/are belongs to System utilities
a. Antivirus b. Memory manager
c. Registry checker and cleaner d. All of the above
4. Which device is used as the standard pointing device in a graphical user Environment?
a. Keyboard b. Joystick
c. Touch pad d. Track ball
5. is the number system which uses the alphabets as well as numerals
a. Binary b. Octal
c. Decimal d. Hexadecimal
6. What PowerPoint feature will you use to apply motion effects to different object of a slide?
a. Animation Scheme b. Slide Transition
c. Slide Design d. None of these
7. Microprocessor was introduced in which generation of computer?
a. Second b. Forth
c. Third d. Both A and B
8. Microsoft Excel is an example of _____
a. Spreadsheet software b. Database software
c. Presentation software d. None of the above
9. A bar code reader is an example of _____
a. Processing device b. Storage device
c. Input device d. Output device

10. If each successive code differs from its preceding code by a single bit only, then this code is called
- BCD code
 - Gray code
 - Weighted code
 - Binary code
11. _____ is also known as low-level language because to design a program programmer requires detailed knowledge of hardware specification.
- Machine language
 - Assembly language
 - High level language
 - None of the above
12. Which was an early mainframe computer?
- UNIC
 - FUNTRIA
 - BRAINIA
 - ENIAC
13. Dot-matrix, Inkjet and Laser are all types of which computer peripherals?
- Printers
 - Monitors
 - Keyboard
 - Software
14. If the decimal number is a fraction then its binary equivalent is obtained by _____ the number continuously by 2.
- Dividing
 - Multiplying
 - Adding
 - Subtracting
15. Which function in Excel checks whether a condition is true or not?
- SUM
 - COUNT
 - IF
 - AVERAGE
16. The pattern of printed lines on most products are called _____
- Prices
 - OCR
 - Scanner
 - Bar code
17. An _____ is a program that converts assembly language into machine code.
- Compiler
 - Assembler
 - Interpreter
 - None of the above.
18. Convert $(214)_8$ into decimal:
- $(140)_{10}$
 - $(141)_{10}$
 - $(142)_{10}$
 - $(130)_{10}$
19. Which can be used for quick access to commonly used commands and tools?
- Status bar
 - Tool bar
 - Menu bar
 - Title bar
20. Which of the following groups consists of only input devices?
- Mouse, Keyboard, Printer
 - Mouse, Keyboard, Monitor
 - Mouse, Keyboard, Plotter
 - Mouse, Keyboard, Scanner

(PART-B : Descriptive)

Time : 2 hrs. 40 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. How can we divide the computers in generations? Explain the features of 1st, 2nd, 4th and 5th generation computers. 10

2. Write about the different classifications of computer. Explain with their purpose. 2+8=10

3. Define generation of computer languages. What is software? Compare the System software and Application software. 4+2+4
=10

4. Convert to given number system 2×5=10
 - i. $(457.45)_8 = (\dots\dots\dots)_2$
 - ii. $(A3.2C)_{16} = (\dots\dots\dots)_8$
 - iii. $(0100000001.1001)_2 = (\dots\dots\dots)_{10}$
 - iv. $(10000100.10101)_2 = (\dots\dots\dots)_{16}$
 - v. $(347.677)_8 = (\dots\dots\dots)_{10}$

5. a. Write about the BCD and Excess-3 code. How can we convert a BCD no. to Excess-3 code? 6+4=10

b. Find Answers
 - i. $(10010)_2 - (1001)_2$
 - ii. $(101010)_2 / (111)_2$

6. a. What is mail merge? Discuss about Mail Merge process in MS Word? 6+4=10

b. Explain any 4 functions used in MS Excel.

7. What is operating system? What are the features and functions of operating system? Define assembler, compiler and interpreter. 2+5+3
=10

8. What is computer memory? Define Primary memory and Secondary memory. What are the differences between primary and secondary memory? 2+4+4
=10

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