

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

**SET
B**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

Choose the correct answer from the following:

$1 \times 20 = 20$

- _____ is also known as low-level language because to design a program programmer requires detailed knowledge of hardware specification.
a. Machine language b. Assembly language
c. High level language d. None of the above
- Which was an early mainframe computer?
a. UNIC b. FUNTRIA
c. BRAINIA d. ENIAC
- Dot-matrix, Inkjet and Laser are all types of which computer peripherals?
a. Printers b. Monitors
c. Keyboard d. Software
- If the decimal number is a fraction then its binary equivalent is obtained by _____ the number continuously by 2.
a. Dividing b. Multiplying
c. Adding d. Subtracting
- Which function in Excel checks whether a condition is true or not?
a. SUM b. COUNT
c. IF d. AVERAGE
- The pattern of printed lines on most products is called _____.
a. Prices b. OCR
c. Scanner d. Bar code
- An _____ is a program that converts assembly language into machine code.
a. Compiler b. Assembler
c. Interpreter d. None of the above.
- Convert $(214)_8$ into decimal:
a. $(140)_{10}$ b. $(141)_{10}$
c. $(142)_{10}$ d. $(130)_{10}$
- Which can be used for quick access to commonly used commands and tools?
a. Status bar b. Tool bar
c. Menu bar d. Title bar

10. Which of the following groups consists of only input devices?
 - a. Mouse, Keyboard, Printer
 - b. Mouse, Keyboard, Monitor
 - c. Mouse, Keyboard, Plotter
 - d. Mouse, Keyboard, Scanner
11. Which of the following is the correct definition of Computer?
 - a. Computer is a machine or device that can be programmed to perform arithmetical or logic operation sequences automatically
 - b. Computer understands only binary language which is written in the form of 0s & 1s
 - c. Computer is a programmable electronic device that stores, retrieves, and processes the data
 - d. All of the above
12. 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 the above
13. 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
14. Which device is used as the standard pointing device in a graphical user Environment?
 - a. Keyboard
 - b. Joystick
 - c. Touch pad
 - d. Track ball
15. is the number system which uses the alphabets as well as numerals.
 - a. Binary
 - b. Octal
 - c. Decimal
 - d. Hexadecimal
16. 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 these
17. Microprocessor was introduced in which generation of computer?
 - a. Second
 - b. Forth
 - c. Third
 - d. Both A and B
18. Microsoft Excel is an example of _____.
 - a. Spreadsheet software
 - b. Database software
 - c. Presentation software
 - d. None of the above
19. A bar code reader is an example of _____.
 - a. Processing device
 - b. Storage device
 - c. Input device
 - d. Output device
20. If each successive code differs from its preceding code by a single bit only, then this code is called
 - a. BCD code
 - b. Gray code
 - c. Weighted code
 - d. Binary code

(Descriptive)

Time : 2 Hr. 30 Mins.

Marks : 50

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

1. What is operating system? What are the features and functions of operating system? Define assembler, compiler and interpreter. 2+5+3=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) Define use 'reference' tab of MS word & why it is important for a report? 6+4=10
b) Explain any 4 functions used in MS Excel.
7. How can we divide the computers in generations? Explain the features of 1st, 2nd, 4th and 5th generation computers. 4+6=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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