

IPU CET 2023 BCA Question Paper

Ques 1. The two kinds of main memory are:

- a. ROM and RAM**
- b. primary and secondary**
- c. floppy disk and hard disk**
- d. direct and sequential**

Ans. A

Ques 2. In computer terminology, what is the full form of RAM?

- a. Random Access Memory**
- b. Repeated Access Memory**
- c. Rapid Access Memory**
- d. Regular Access Memory**

Ans. A

Ques 3. Permanent instructions that the computer use when it is turned ON and t changed by other instructions are contained in:

- a. ROM**
- b. RAM**
- C. ALU**
- d. SRAM**

Ans. A

Ques 4. What is the full form of PROM?

- a. Programmable Read Only Memory**
- b. Program Read Output Memory**
- c. Program Read Only Memory**
- d. Primary Read Only Memory**

Ans. A

Ques 5. Which of the following acts as a buffer between the CPU and the main memory

- a. primary memory**
- b. cache memory**
- c. secondary memory**
- d. RAM**

Ans. B

Ques 6. The storage device used to compensate for the difference in rates of flow from one device to another is termed as:

- a. chip**
- b. channel**
- c. floppy**
- d. buffer**

Ans. D

Ques 7. Which media has the ability to have data/information stored (written) on them by users more than once?

- a. CD-R discs**
- b. CD-RW discs**
- c. Zip discs**
- d. Optical discs**

Ans. B

Ques 8. The term Bit is short for:

- a. megabyte**
- b. binary language**
- c. binary digit**
- d. binary number**

Ans. C

Ques 9. KiloByte equals how many bytes?

- a. 1000**
- b. 1035**
- c. 1008**
- d. 1024**

Ans. D

Ques 10. How many kilobytes make a megabyte?

- a. 128**
- b. 1024**
- c. 256**
- d. 512**

Ans. B

Ques 11. The term 'gigabyte' refers to:

- a. 1024 byte**
- b. 1024 kilobyte**
- c. 1024 megabyte**
- d. 1024 gigabyte**

Ans. c

Ques 12. Which of the following is an octal number equal to decimal number $(896)_{16}$?

- a. 0061**
- b. 6001**
- C. 1006**
- d. 1600**

Ans. D

Ques 13. The most widely used code that represents each character as a unique 8-bit code is:

- a. ASCII**
- b. UNICODE**
- c. BCD**
- d. All of the above**

Ans. A

Ques 14. Two inputs A and B of NAND gate have 0 output, if:

- a. A is 0**
- b. B is 0**
- c. Both are zero**
- d. Both are 1**

Ans. D

Ques 15. Which of the following are known as universal gates?

- a. NAND and NOR**
- b. AND and OR**
- c. XOR and OR**
- d. AND**

Ans. A

Ques 16. If A represents '1' and o represents '0'. What will be the one's complement of oΔΔooΔ ?

- a. 011001**
- b. 100110**
- c. 101010**
- d. 000000**

Ans. B

Ques 17. A collection of various programs that helps to control your computer is called:

- a. system software**
- b. application software**
- c. Microsoft Excel**
- d. Microsoft Word**

Ans. A

Ques 18. Operating system is a:

- a. application software**
- b. system software**
- C. hardware**
- d. language**

Ans. B

Ques 19. A kind of system software, which is responsible for loading and relocating of the executable program in the main memory is:

- a. loader**
- b. linker**
- c. translator**
- d. presentation software**

Ans. A

Ques 20. Application software:

- a. is used to control the operating system**
- b. is designed to help programmers**
- c. performs specific task for computer users**
- d. is used for making design only**

Ans. C

Ques 21. Which among the following is not an example of system software?

- a. Operating System**
- b. Debugger**
- c. Software Driver**
- d. Adobe Photoshop**

Ans. D

Ques 22. Example(s) of open-source software is/are:

- a. Linux**
- b. Unix**
- c. MySQL**
- d. All of these**

Ans. D

Ques 23. Which of the following is the correct reason to use an operating system?

- a. To manage resources**
- b. To control the hardware**
- c. To provide an interface between the hardware and user**
- d. All of the above**

Ans. D

Ques 24. Which of the following is an operating system?

- a. Linux**
- b. Debugger**
- c. Mozilla**
- d. Google Chrome**

Ans. A

Ques 25. Which one of the following is not an operating system?

- a. Linux
- b. Unix
- c. Intel
- d. Windows

Ans. C

Ques 26. Which among the following is not a mobile operating system?

- a. Android
- b. Safari
- c. Symbian
- d. iOS

Ans. B

Ques 27. Python is a:

- a. low level language
- b. high level language
- c. machine language
- d. assembly language

Ans. B

Ques 28. The central processing unit consist of:

- a. The arithmetic logic unit
- b. The registers
- c. The control unit
- d. All of the above

Ans. D

Ques 29. The computer keyboard in English normally uses:

- a. Abcdef base
- b. QWERTY base

- c. Asdfg base
- d. None of the above

Ans. B

Ques 30. Alta Vista is a:

- a. Virus
- b. Vista theme
- c. Windows OS
- d. Search Engine

Ans. D

Ques 31. The forces acting at a point are called as:

- a. Collinear forces
- b. Coplanar forces
- C. Concurrent forces
- d. Unit forces

Ans. C

Ques 32. What is the distance between the focus and the pole of the minor us known as?

- a. Centre of Curvature
- b. Focal length
- C. Mirror number
- d. Radius of curvature

Ans. B

Ques 33. What can be the maximum number of electrons in a shell, if the principal quantum number is n ?

- a. n
- b. n^2
- c. $2n^2$

d. $3n^3$

Ans. C

Ques 34. What will be the number of neutrons in an atom having atomic number 35 and mass number 80?

- a. 35
- b. 45
- c. 55
- d. 80

Ans. B

Ques 35. Who can be associated with the theory of evolution?

- a. Charles Darwin
- b. Mendel
- c. Stanley Miller
- d. Harold Urey

Ans. A

Ques 36. Which of the following hormones is known to be helpful in coping with stress?

- a. Serotonin
- b. Calcitonin
- c. Melatonin
- d. Testosterone

Ans. A

Ques 37. Washing soda is used:

1. for removing permanent hardness of water
2. for disinfecting drinking water
3. as a cleaning agent for domestic purpose

Which of the above is/are correct?

- a. Only 1 and 2
- b. Only 1 and 3
- c. Only 2 and 3
- d. All of the above

Ans. B

Ques 38. The apparent weight of a man in a lift is less than the real weight when

- a. the lift is going up with an acceleration
- b. the lift is going down with uniform speed
- c. the lift is going up with uniform speed
- d. the lift is going down with an acceleration

Ans. D

Ques 39. What is the unit for momentum?

- a. newton second
- b. joule second
- c. erg second
- d. pascal second

Ans. A

Ques 40. Which of these indicates the splitting of different colours of light in a prism?

- a. Reflection of light
- b. Dispersion of light
- c. Diffraction of light
- d. Refraction of light

Ans. B

Ques 41. Which among the following plays a role in production of alcohol in beer?

- a. Bacteria
- b. Protozoan
- c. Virus
- d. Yeast

Ans. D

Ques 42. What is the name of eye drops designed to improve age-related near-vision problems that are recently approved by the US Food and Drug Administration?

- a. Vuity
- b. Vision
- C. Corneas
- d. Eye power

Ans. A

Ques 43. Scientists working at which one of the following discovered 'God's particle'?

- a. NASA
- b. CERN
- C. ISRO
- d. CNES

Ans. B

Ques 44. The additional 8% human genome sequenced account for _____ million new letters added to the existing sequenced DNA.

- a. 40
- b. 200
- c. 280
- d. 400

Ans. D

Ques 45. Bacteria was first observed in the year

- a. 1892**
- b. 1754**
- c. 1676**
- d. 1588**

Ans. C

Ques 46. Virus contains _____ number of ribosomes

- a. 18**
- b. 22**
- c. 10**
- d. None of the above**

Ans. D

Ques 47. Which of the following statements are true or false?

I. Endemic when it spreads across the globe is called a pandemic.
II. Epidemic is a disease that is permanently present in a region or population

- a. Both I & II are true**
- b. Both I & II are false**
- c. I is true but II is false**
- d. I is false but II is true**

Ans. B

Ques 48. Which taste zone of the human tongue is a sour taste zone?

- a. Front**
- b. Front sides**
- c. Back**
- d. Back sides**

Ans. D

Ques 49. Blockchain Technology has the following hall mark feature/s:

- a. Reliability and consistency**
- b. Flexibility and reliability**
- c. Traceability and reliability**
- d. Traceability but not reliability**

Ans. C

Ques 50. Which one among the following is not a characteristic of 'big data'?

- a. Value**
- b. Veracity**
- c. Consistency**
- d. velocity**

Ans. C
