

# IT & COMPUTER BASED INDIAN GENERAL AWARENESS MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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**Q1.** What is the full form of ALU ?

- a) Arithmetic Least Unit
  - b) Alternative Logic Unit
  - c) Arithmetic Logic Unit
  - d) Arithmetic Local Unit
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**Q2.** Identify the LIFO (Last In First Out) structure among the following:

- a) De-queue
  - b) Stack
  - c) Queue
  - d) Array
- 

**Q3.** As announced by the Finance Minister in his Budget speech on 28th February 2011, with a view to assisting States in modernising their stamp and registration administration, E-stamping is expected to be rolled out in all the districts of different States in a period of

- a) three years
  - b) one year
  - c) two years
  - d) five years
- 

**Q4.** In a Database Managemnt System (DBMS), the content and the location of the data is defined by the \_\_\_\_.

- a) Meta data
- b) Multi Dimensional data
- c) Sequence data
- d) Sub data

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**Q5.** The basic application of an 'AND' gate in computers is for:

- a) multiplication
- b) addition
- c) subtraction
- d) division

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**Q6.** An address consists of \_\_\_\_.

- a) an index register
- b) an offset
- c) a base register
- d) All of the above

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**Q7.** Where is India's super computer 'PARAM' located ?

- a) Bengaluru
- b) Chennai
- c) Pune
- d) Kolkata

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**Q8.** In the following list of devices which device is used in network layer?

- a) Application Gateway
  - b) Repeaters
  - c) Router
  - d) Switch
- 

**Q9.** Both the ALU and control section have special-purpose storage locations called

- a) Accumulators
  - b) Registers
  - c) Bus
  - d) Address
- 

**Q10.** In IT, the technique of delaying outgoing acknowledgements temporarily is known as

- a) Piggybacking
  - b) AR Acknowledgement
  - c) AR request
  - d) Piggyframing
- 

**Q11.** A bug in a programme is a/an

- a) Syntax
  - b) Statement
  - c) Error
  - d) (2)Both (3)and
- 

**Q12.** Rearranging and allocating space in memory to provide for multiple computing tasks is called

- a) Multitasking

- b) Networking
- c) Multiprogramming
- d) Memory Management

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**Q13.** An Intelligent terminal

- a) interacts with the user in English
- b) has a microprocessor, but cannot be programmed by the user
- c) can process small data processing jobs, with the use of a large CPU
- d) cannot take data from the user

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**Q14.** Correct expansion of the term 'http' in Internet address is

- a) hybrid text transfer protocol
- b) higher text transfer protocol
- c) higher transfer text protocol
- d) hypertext transfer protocol

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**Q15.** To read a CD-ROM disc, you need a

- a) sound card
- b) laser beam
- c) magnetic needle
- d) graphics card

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**Answers to the above questions :**

**Q1. Answer: (c)**

ALU stands for arithmetic-logic unit which is the part of a computer processor (CPU) that carries out arithmetic and logic operations on the operands in computer instruction words. It is a fundamental building block of the central processing unit found in digital computers.

**Q2. Answer: (b)**

In computer science, LIFO refers to the way items stored in some types of data structures are processed. A LIFO structure can be illustrated with the example of a stack of trays.

The term in computing generally refers to the abstract principles of list processing and temporary storage, particularly when there is a need to access the data in limited amounts, and in a certain order.

**Q3. Answer: (a)**

Finance Minister in his Budget speech on 28th February 2011 said that "Five years ago, we took an initiative to introduce a modern and people-friendly e-stamping facility in the country. Only six states have introduced this system so far.

I propose to launch a new scheme with an outlay of Rs 300 crore to provide assistance to States to modernise their stamp and registration administration and roll out stamping in all the districts in the next three years."

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**Q4. Answer: (a)**

In a Database Management System (DBMS), the content and the location of the data is defined by the Metadata. Metadata is “data about data”.

It assists in resource discovery by allowing resources to be found by relevant criteria, identifying resources, bringing similar resources together, distinguishing dissimilar resources, and giving location information.

**Q5. Answer: (a)**

The ‘AND’ gate in computers has basic application of multiplication. It has two or more inputs and one output. An ‘AND’ gate produces an output of 1 if all the inputs are 1 if any of the inputs is zero then it produces an output of zero.

**Q6. Answer: (d)**

An address consists of an offset, a base register and an index register.

**Q7. Answer: (c)**

PARAM is a series of supercomputers designed and assembled by the Centre for Development of Advanced Computing (C-DAC) in Pune, India. The latest machine in the series is the PARAM Yuva. PARAM 8000, which was installed in 1991, is considered as India’s first supercomputer.

**Q8. Answer: (c)**

The third-lowest layer of the OSI Reference Model is the network layer. It is responsible for packet forwarding including routing through intermediate routers. Routers forward data packets between computer networks.

A data packet is forwarded from one router to another through the networks that constitute the internetwork until it reaches its destination node.

**Q9. Answer: (b)**

The control unit maintains order within the computer system and directs the flow of traffic(operations) and data.

The arithmetic-logic unit (ALU) performs all arithmetic operations (addition, subtraction, multiplication, and division) and logic operations. These two have special-purpose storage called Registers.

**Q10. Answer: (a)**

The technique of temporarily delaying outgoing acknowledgements so that they can be hooked onto the next outgoing data frame is known as piggybacking.

The principal advantage of using piggybacking over having distinct acknowledgement frames is a better use of the available channel bandwidth.

**Q11. Answer: (c)**

A bug in a program is an error.

**Q12. Answer: (d)**

Memory management provides ways to dynamically allocate portions of memory to programs at their request, and free it for reuse when no longer needed.

It enables the allocation of additional memory space or release of unwanted space at run time for optimizing the use of storage space. It provides flexibility in adding, deleting or rearranging data items at run time.

**Q13. Answer: (c)**

An Intelligent terminal is A terminal with built-in processing capability, but no local disk or tape storage.

It may use a general-purpose CPU or may have specialized circuitry as part of a distributed intelligence system. Intelligent terminals include memory and a processor to perform special display operations.

**Q14. Answer: (d)**

The Hypertext Transfer Protocol (HTTP) is an application protocol for distributed, collaborative, hypermedia information systems. HTTP is the foundation of data communication for the World Wide Web. HTTP is the protocol to exchange or transfer hypertext.

**Q15. Answer: (b)**

Data is stored on the disc as a series of microscopic indentations. A laser is shone onto the reflective surface of the disc to read the pattern of pits and lands.

Because the depth of the pits is approximately one-quarter to one-sixth of the wavelength of the laser light used to read the disc, the reflected beam's phase is shifted in relation to the incoming beam, causing destructive interference and reducing the reflected beam's intensity. This pattern of changing the intensity of the reflected beam is converted into binary data.

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