| **Quiz question** | **Answer** |
| --- | --- |
| What is the name of the German airline? | Lufthansa |
| In which European city can you find the home of Anne Frank? | Amsterdam |
| How many stars has the American flag got? | Fifty |
| How long is the Great Wall of China? | 4000 miles |
| Who invented Ferrari? | Enzo Ferrari |
| According to the Bible, who was the first murderer? | Cain |
|  | |
| In what year did princess diana die? | In the year 1997 |
| Which famous British women murderer of the 19th century was never arrested? | Jack the Ripper |
| On which mountain did Jesus take his last supper? | Golgotha or Calvary |
| What is the largest number of five digits? | 99999 |
| What is the most fractured human bone? | Clavicle |
| What is the most famous university of Paris? | Sorbonne |
| Which animal is on the golden Flemish flag? | Lion |
| What is the name of the Indian holy river? | Ganges |
| Which South American country is named after Venice? | Venezuela |
| How many stars feature on the flag of New Zealand? | Four stars |
| What colour to do you get when you mix red and white? | Pink |
| What is both a French wine region and a luxury American automobile? | Cadillac |
| For which narrow sea strait is Hellespont the ancient name? | Dardanelles |
|  | |
| **Quiz question** | **Answer** |
| Who was the first man to fly around the earth with a spaceship? | Gagarin |
| On which hemisphere were the most dinosaur skeletons found? | The northern hemisphere |
| What color is cobalt? | Blue |
| Who invented vulcanized rubber? | Goodyear |
| What is the organ that is affected when one is suffering from hepatitis? | Liver |
| Which device do we use to look at the stars? | Telescope |
|  | |
| Which unit indicates the light intensity? | Candela |
| Who is the father of the atomic bomb? | Robert Oppenheimer |
| Who invented the barometer? | Torricelli |
| Who was the first American in space? | Alan Shepard |
| Two brothers invented the hot air balloon. What was their surname? | Montgolfier |
| Who was the inventor of the steam engine? | James Watt |
| Which device was invented by Henry Mill? | The typewriter |
| What is the lightest existing metal? | Aluminium |
| What is the substance known by the chemical formula NH3? | Ammoniac |
| What are the three primary colors? | Blue, yellow and red |
| Who discoved one of the first antibiotics: penicillin ? | Alexander Fleming |
| Which planet is nearest the sun? | Mercury |
|  | |

| **Quiz question** | | |  | **Answer** |
| --- | --- | --- | --- | --- |
| What is the name of a medicinal mud? | | |  | Fango |
| What do you call a native of Kenya? | | | Kenyan |
| What is the official language in Kosovo? | | | Albanian |
| Which weekday is domingo in Spanish and dimanche in French? | | | Sunday |
| What do you call a motorcycle with four wheels? | | | Quad |
| How do you say AIDS in French? | | | Sida |
| What is the meaning of the Arab word Habibi? | | | Sweetheart |
| What does the abbreviation GPS mean? | | | Global Positioning System |
| What is the most spoken language in the world? | | | Chinese language |
| What does the abbreviation SMS mean? | | | Short Message Service |
| What is another word for wall painting or mural? | | | Fresco |
| Which language group includes Irish, Welsh and Breton? | | | Celtic languages |
| What is the meaning of the following abbreviation: IBM? | | | International Business Machines |
| What is the islamic term for fast? | | | Ramadan |
| What is the much nicer name for the dung beetle, which was used in the ancient Egypt? | | | Scarab |
| What is the Turkish word for lamb? | | | Kebab |
| What is the Spanish word for black? | | | Negro |
| What does glasnost mean in Russian politics? | | | Openness |
| What does the name of the Russian newspaper Pravda mean? | | | Truth |
| What does the Latin proverb -Errare Humanum est- mean | | | Err is human |
| To which language is Portuguese closely related? | | | Spanish language |
| What word is used in Hawaii both to greet and to say goodbye? | | | Aloha |
| What is the singular of Scampi ? | | | Scampo |
| Which is the world s second largest French-speaking city? | | | Montreal (Canada) |
|  | | | | |
| **Quiz question** | | | **Answer** | |
| What is the national animal of Canada? | | | North American beaver | |
| What is the national animal of Albania? | | | Golden eagle | |
| Which dog used to be sacred in China? | | | Pekingese | |
| Urticaria is a skin disease otherwise known as what? | | | Hives | |
| What kind of animal is the largest living creature on Earth | | | Whale | |
| Give another name for the study of fossils? | | | Paleontology | |
|  | | | | |
| What do dragonflies prefer to eat? | | | Mosquitoes | |
| What do you get when you crossbreed a donkey and a horse? | | | Hinny | |
| Which insects cannot fly, but can jump higher than 30 cm? | | | Fleas | |
| What is the name of the European Bison? | | | Wisent | |
| What is called a fish with a snake-like body? | | | Eel fish | |
| In which city is the oldest zoo in the world? | | | Vienna | |
| After which animals are the Canary Islands named? | | | Dogs | |
| Which plant does the Canadian flag contain? | | | Maple | |
| What is the food of penguins? | | | Plankton | |
| Which is the largest species of the tiger? | | | Siberian tiger | |
| The bite of which insect causes the Lyme Disease? | | | Deer Tick | |
|  | | | | |
| |  | | --- | |  | | | | | |  |
| **Exercise**   * **Section 1**   "Forgiveness is a virtue of the brave."  - Indira Gandhi | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | 1. | Who invented the BALLPOINT PEN? | | |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Biro Brothers | | [**B.**](javascript:%20void%200;) | Waterman Brothers | | [**C.**](javascript:%20void%200;) | Bicc Brothers | | [**D.**](javascript:%20void%200;) | Write Brothers |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  The Hungarian brothers, Laszlo and George Biro, made the first ball point pen in 1894. It followed the first workable fountain pen which was invented by L.E. Waterman in 1884.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/inventions/discussion-843) |  |  |  | | --- | --- | | 2. | In which decade was the first solid state integrated circuit demonstrated? | | |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 1950s | [**B.**](javascript:%20void%200;) | 1960s | | [**C.**](javascript:%20void%200;) | 1970s | [**D.**](javascript:%20void%200;) | 1980s |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  On September 12, 1958, Jack Kilby demonstrated the first working IC while working for Texas Instruments, although the U.S. patent office awarded the first patent for an integrated circuit to Robert Noyce of Fairchild.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/inventions/discussion-827) |  |  |  | | --- | --- | | 3. | What J. B. Dunlop invented? | | |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Pneumatic rubber tire | | [**B.**](javascript:%20void%200;) | Automobile wheel rim | | [**C.**](javascript:%20void%200;) | Rubber boot | | [**D.**](javascript:%20void%200;) | Model airplanes |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  John Boyd Dunlop, a veterinary surgeon, invented the pneumatic tyre in 1887.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/inventions/discussion-906) |  |  |  | | --- | --- | | 4. | Which scientist discovered the radioactive element radium? | | |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Isaac Newton | | [**B.**](javascript:%20void%200;) | Albert Einstein | | [**C.**](javascript:%20void%200;) | Benjamin Franklin | | [**D.**](javascript:%20void%200;) | Marie Curie |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **D**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/general-knowledge/inventions/discussion-801).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/inventions/discussion-801) |  |  |  | | --- | --- | | 5. | When was barb wire patented? | | |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 1874 | [**B.**](javascript:%20void%200;) | 1840 | | [**C.**](javascript:%20void%200;) | 1895 | [**D.**](javascript:%20void%200;) | 1900 |   [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/inventions/discussion-876) |  |  |  | | --- | --- | | 6. | What is the name of the CalTech seismologist who invented the scale used to measure the magnitude of earthquakes? | | |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Charles Richter | | [**B.**](javascript:%20void%200;) | Hiram Walker | | [**C.**](javascript:%20void%200;) | Giuseppe Mercalli | | [**D.**](javascript:%20void%200;) | Joshua Rumble |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  Richter was born on an Ohio farm in 1900. He died in 1985.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/inventions/discussion-896) |  |  |  | | --- | --- | | 7. | What Galileo invented? | | |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Barometer | | [**B.**](javascript:%20void%200;) | Pendulum clock | | [**C.**](javascript:%20void%200;) | Microscope | | [**D.**](javascript:%20void%200;) | Thermometer |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **D**  **Explanation:**  Various authors have credited the invention of the thermometer to Cornelius Drebbel, Robert Fludd, Galileo Galilei or Santorio Santorio. The thermometer was not a single invention, however, but a development.  Galileo Galilei also discovered that objects (glass spheres filled with aqueous alcohol) of slightly different densities would rise and fall, which is nowadays the principle of the Galileo thermometer (shown). Today such thermometers are calibrated to a temperature scale.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/inventions/discussion-917) | | | | | |

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| 8. | This statesman, politican, scholar, inventor, and one of early presidents of USA invented the swivel chair, the spherical sundial, the moldboard plow, and the cipher wheel. |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | George Washington | | [**B.**](javascript:%20void%200;) | Alexander Hamilton | | [**C.**](javascript:%20void%200;) | John Adams | | [**D.**](javascript:%20void%200;) | Thomas Jefferson |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **D** |

Technology

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| 1. | In which decade was the American Institute of Electrical Engineers (AIEE) founded? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 1850s | [**B.**](javascript:%20void%200;) | 1880s | | [**C.**](javascript:%20void%200;) | 1930s | [**D.**](javascript:%20void%200;) | 1950s |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  The IEEE (Institute of Electrical and Electronics Engineers) was formed in 1963 by the merger of the Institute of Radio Engineers (IRE, founded 1912) and the American Institute of Electrical Engineers (AIEE, founded 1884).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/technology/discussion-1130) |

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| 2. | What is part of a database that holds only one type of information? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | Report | [**B.**](javascript:%20void%200;) | Field | | [**C.**](javascript:%20void%200;) | Record | [**D.**](javascript:%20void%200;) | File |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/general-knowledge/technology/discussion-1125).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/technology/discussion-1125) |

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| 3. | 'OS' computer abbreviation usually means ? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Order of Significance | | [**B.**](javascript:%20void%200;) | Open Software | | [**C.**](javascript:%20void%200;) | Operating System | | [**D.**](javascript:%20void%200;) | Optical Sensor |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **C**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/general-knowledge/technology/discussion-1119).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/technology/discussion-1119) |

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| 4. | In which decade with the first transatlantic radio broadcast occur? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 1850s | [**B.**](javascript:%20void%200;) | 1860s | | [**C.**](javascript:%20void%200;) | 1870s | [**D.**](javascript:%20void%200;) | 1900s |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **D**  **Explanation:**  On December 12, 1901, a radio transmission received by Guglielmo Marconi resulted in the first transmission of a transatlantic wireless signal (Morse Code) from Poldhu, Cornwall, to St. John's, Newfoundland.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/general-knowledge/technology/discussion-1129) |

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| 5. | '.MOV' extension refers usually to what kind of file? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Image file | | [**B.**](javascript:%20void%200;) | Animation/movie file | | [**C.**](javascript:%20void%200;) | Audio file | | [**D.**](javascript:%20void%200;) | MS Office document |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/general-knowledge/technology/discussion-1109).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) |

C

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| --- | --- |
| 1. | Which of the following statements should be used to obtain a remainder after dividing 3.14 by 2.1 ? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | rem = 3.14 % 2.1; | | [**B.**](javascript:%20void%200;) | rem = modf(3.14, 2.1); | | [**C.**](javascript:%20void%200;) | rem = fmod(3.14, 2.1); | | [**D.**](javascript:%20void%200;) | Remainder cannot be obtain in floating point division. |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **C**  **Explanation:**  fmod(x,y) - Calculates x modulo y, the remainder of x/y.  This function is the same as the modulus operator. But fmod() performs floating point divisions.  **Example**:  **#include <stdio.h>**  **#include <math.h>**  int main ()  {  printf ("fmod of 3.14/2.1 is %lf\n", fmod (3.14,2.1) );  return 0;  }  **Output**: fmod of 3.14/2.1 is 1.040000  [View Answer](javascript:%20void%200;) [C Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/c-programming/declarations-and-initializations/discussion-49) |

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| --- | --- |
| 2. | What are the types of linkages? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | Internal and External | [**B.**](javascript:%20void%200;) | External, Internal and None | | [**C.**](javascript:%20void%200;) | External and None | [**D.**](javascript:%20void%200;) | Internal |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  External Linkage-> means global, non-static variables and functions. Internal Linkage-> means static variables and functions with file scope. None Linkage-> means Local variables.  [View Answer](javascript:%20void%200;) [C Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/c-programming/declarations-and-initializations/discussion-26) |

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| --- | --- |
| 3. | Which of the following special symbol allowed in a variable name? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | \* (asterisk) | [**B.**](javascript:%20void%200;) | | (pipeline) | | [**C.**](javascript:%20void%200;) | - (hyphen) | [**D.**](javascript:%20void%200;) | \_ (underscore) |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **D**  **Explanation:**  Variable names in C are made up of letters (upper and lower case) and digits. The underscore character ("\_") is also permitted. Names must not begin with a digit.  **Examples** of valid (but not very descriptive) C variable names: => foo  => Bar  => BAZ  => foo\_bar  => \_foo42  => \_  => QuUx  [View Answer](javascript:%20void%200;) [C Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/c-programming/declarations-and-initializations/discussion-31) |

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| --- | --- | --- | --- | --- | --- |
| 4. | Is there any difference between following declarations?   |  |  | | --- | --- | | 1 : | extern int fun(); | | 2 : | int fun(); | |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Both are identical | | [**B.**](javascript:%20void%200;) | No difference, except extern int fun(); is probably in another file | | [**C.**](javascript:%20void%200;) | int fun(); is overrided with extern int fun(); | | [**D.**](javascript:%20void%200;) | None of these |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  extern int fun(); declaration in C is to indicate the existence of a global function and it is defined externally to the current module or in another file.  int fun(); declaration in C is to indicate the existence of a function inside the current module or in the same file.  [View Answer](javascript:%20void%200;) [C Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/c-programming/declarations-and-initializations/discussion-14) |

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| --- | --- |
| 5. | How would you round off a value from 1.66 to 2.0? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | ceil(1.66) | [**B.**](javascript:%20void%200;) | floor(1.66) | | [**C.**](javascript:%20void%200;) | roundup(1.66) | [**D.**](javascript:%20void%200;) | roundto(1.66) |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  /\* Example for ceil() and floor() functions: \*/  **#include<stdio.h>**  **#include<math.h>**  int main()  {  printf("\n Result : %f" , ceil(1.44) );  printf("\n Result : %f" , ceil(1.66) );    printf("\n Result : %f" , floor(1.44) );  printf("\n Result : %f" , floor(1.66) );  return 0;  }  // Output:  // Result : 2.000000  // Result : 2.000000  // Result : 1.000000  // Result : 1.000000  [View Answer](javascript:%20void%200;) [C Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/c-programming/declarations-and-initializations/discussion-50) |

C++

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| 1. | Which of the following type of class allows only one object of it to be created? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Virtual class | | [**B.**](javascript:%20void%200;) | Abstract class | | [**C.**](javascript:%20void%200;) | Singleton class | | [**D.**](javascript:%20void%200;) | Friend class |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **C**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/cpp-programming/oops-concepts/discussion-58).  [View Answer](javascript:%20void%200;) [C++ Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/cpp-programming/oops-concepts/discussion-58) |

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| --- | --- |
| 2. | Which of the following is not a type of constructor? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Copy constructor | | [**B.**](javascript:%20void%200;) | Friend constructor | | [**C.**](javascript:%20void%200;) | Default constructor | | [**D.**](javascript:%20void%200;) | Parameterized constructor |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/cpp-programming/oops-concepts/discussion-20).  [View Answer](javascript:%20void%200;) [C++ Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/cpp-programming/oops-concepts/discussion-20) |

|  |  |
| --- | --- |
| 3. | Which of the following statements is correct? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Base class pointer cannot point to derived class. | | [**B.**](javascript:%20void%200;) | Derived class pointer cannot point to base class. | | [**C.**](javascript:%20void%200;) | Pointer to derived class cannot be created. | | [**D.**](javascript:%20void%200;) | Pointer to base class cannot be created. |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/cpp-programming/oops-concepts/discussion-51).  [View Answer](javascript:%20void%200;) [C++ Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/cpp-programming/oops-concepts/discussion-51) |

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| --- | --- |
| 4. | Which of the following is not the member of class? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Static function | | [**B.**](javascript:%20void%200;) | Friend function | | [**C.**](javascript:%20void%200;) | Const function | | [**D.**](javascript:%20void%200;) | Virtual function |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/cpp-programming/oops-concepts/discussion-12).  [View Answer](javascript:%20void%200;) [C++ Compiler](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/cpp-programming/oops-concepts/discussion-12) |

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| --- | --- |
| 5. | Which of the following concepts means determining at runtime what method to invoke? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Data hiding | | [**B.**](javascript:%20void%200;) | Dynamic Typing | | [**C.**](javascript:%20void%200;) | Dynamic binding | | [**D.**](javascript:%20void%200;) | Dynamic loading |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **C**  **Explanation:**  No answer description available for |

Java

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| --- | --- |
| 1. | Which four options describe the correct default values for array elements of the types indicated?   1. int -> 0 2. String -> "null" 3. Dog -> null 4. char -> '\u0000' 5. float -> 0.0f 6. boolean -> true |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | 1, 2, 3, 4 | [**B.**](javascript:%20void%200;) | 1, 3, 4, 5 | | [**C.**](javascript:%20void%200;) | 2, 4, 5, 6 | [**D.**](javascript:%20void%200;) | 3, 4, 5, 6 |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  (1), (3), (4), (5) are the correct statements.  (2) is wrong because the default value for a String (and any other object reference) isnull, with no quotes.  (6) is wrong because the default value for boolean elements is false.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/java-programming/language-fundamentals/discussion-12) |

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| 2. | Which one of these lists contains only Java programming language keywords? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | class, if, void, long, Int, continue | | [**B.**](javascript:%20void%200;) | goto, instanceof, native, finally, default, throws | | [**C.**](javascript:%20void%200;) | try, virtual, throw, final, volatile, transient | | [**D.**](javascript:%20void%200;) | strictfp, constant, super, implements, do | | [**E.**](javascript:%20void%200;) | byte, break, assert, switch, include |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  All the words in option B are among the 49 Java keywords. Although goto reserved as a keyword in Java, goto is not used and has no function.  Option A is wrong because the keyword for the primitive int starts with a lowercase i.  Option C is wrong because "virtual" is a keyword in C++, but not Java.  Option D is wrong because "constant" is not a keyword. Constants in Java are markedstatic and final.  Option E is wrong because "include" is a keyword in C, but not in Java.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/java-programming/language-fundamentals/discussion-2) |

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| 3. | Which will legally declare, construct, and initialize an array? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | int [] myList = {"1", "2", "3"}; | | [**B.**](javascript:%20void%200;) | int [] myList = (5, 8, 2); | | [**C.**](javascript:%20void%200;) | int myList [] [] = {4,9,7,0}; | | [**D.**](javascript:%20void%200;) | int myList [] = {4, 3, 7}; |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **D**  **Explanation:**  The only legal array declaration and assignment statement is Option D  Option A is wrong because it initializes an int array with String literals.  Option B is wrong because it use something other than curly braces for the initialization.  Option C is wrong because it provides initial values for only one dimension, although the declared array is a two-dimensional array.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/java-programming/language-fundamentals/discussion-11) |

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| 4. | Which is a reserved word in the Java programming language? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | method | [**B.**](javascript:%20void%200;) | native | | [**C.**](javascript:%20void%200;) | subclasses | [**D.**](javascript:%20void%200;) | reference | | [**E.**](javascript:%20void%200;) | array |  |  |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  The word "native" is a valid keyword, used to modify a method declaration.  Option A, D and E are not keywords. Option C is wrong because the keyword for subclassing in Java is extends, not 'subclasses'.  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/java-programming/language-fundamentals/discussion-1) |

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| 5. | Which is a valid keyword in java? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | interface | [**B.**](javascript:%20void%200;) | string | | [**C.**](javascript:%20void%200;) | Float | [**D.**](javascript:%20void%200;) | unsigned |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  interface is a valid keyword.  Option B is wrong because although "String" is a class type in Java, "string" is not a keyword.  Option C is wrong because "Float" is a class type. The keyword for the Java primitive isfloat.  Option D is wrong because "unsigned" is a keyword in C/C++ but not in Java. |

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| 1. | Which of the following languages is more suited to a structured program? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | PL/1 | | [**B.**](javascript:%20void%200;) | FORTRAN | | [**C.**](javascript:%20void%200;) | BASIC | | [**D.**](javascript:%20void%200;) | PASCAL | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **D**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1114).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1114) |

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| 2. | A computer assisted method for the recording and analyzing of existing or hypothetical systems is |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Data transmission | | [**B.**](javascript:%20void%200;) | Data flow | | [**C.**](javascript:%20void%200;) | Data capture | | [**D.**](javascript:%20void%200;) | Data processing | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1088).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1088) |

|  |  |
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| 3. | The brain of any computer system is |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | ALU | | [**B.**](javascript:%20void%200;) | Memory | | [**C.**](javascript:%20void%200;) | CPU | | [**D.**](javascript:%20void%200;) | Control unit | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **C**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1167).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1167) |

|  |  |
| --- | --- |
| 4. | What difference does the 5th generation computer have from other generation computers? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Technological advancement | | [**B.**](javascript:%20void%200;) | Scientific code | | [**C.**](javascript:%20void%200;) | Object Oriented Programming | | [**D.**](javascript:%20void%200;) | All of the above | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1084).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1084) |

|  |  |
| --- | --- |
| 5. | Which of the following computer language is used for artificial intelligence? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | FORTRAN | | [**B.**](javascript:%20void%200;) | PROLOG | | [**C.**](javascript:%20void%200;) | C | | [**D.**](javascript:%20void%200;) | COBOL | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B** |
| 6. | The tracks on a disk which can be accessed without repositioning the R/W heads is |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Surface | | [**B.**](javascript:%20void%200;) | Cylinder | | [**C.**](javascript:%20void%200;) | Cluster | | [**D.**](javascript:%20void%200;) | All of the above | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **B**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1089).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1089) |

|  |  |
| --- | --- |
| 7. | Which of the following is the 1's complement of 10? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 01 | | [**B.**](javascript:%20void%200;) | 110 | | [**C.**](javascript:%20void%200;) | 11 | | [**D.**](javascript:%20void%200;) | 10 | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1085).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1085) |

|  |  |
| --- | --- |
| 8. | A section of code to which control is transferred when a processor is interrupted is known as |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | M | | [**B.**](javascript:%20void%200;) | SVC | | [**C.**](javascript:%20void%200;) | IP | | [**D.**](javascript:%20void%200;) | MDR | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1143).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1143) |

|  |  |
| --- | --- |
| 9. | Which part interprets program instructions and initiate control operations. |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Input | | [**B.**](javascript:%20void%200;) | Storage unit | | [**C.**](javascript:%20void%200;) | Logic unit | | [**D.**](javascript:%20void%200;) | Control unit | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **D**  **Explanation:**  No answer description available for this question. [**Let us discuss**](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1134).  [View Answer](javascript:%20void%200;) [Workspace](javascript:%20void%200;) [Report](javascript:%20void%200;) [Discuss in Forum](http://www.indiabix.com/computer-science/computer-fundamentals/discussion-1134) |

|  |  |
| --- | --- |
| 10. | The binary system uses powers of |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 2 | | [**B.**](javascript:%20void%200;) | 10 | | [**C.**](javascript:%20void%200;) | 8 | | [**D.**](javascript:%20void%200;) | 16 | | [**E.**](javascript:%20void%200;) | None of the above |   [**Answer & Explanation**](javascript:%20void%200;)  **Answer:** Option **A** |

# Math Quiz

**Question 1. 19 + ……. = 42**

Top of Form

 A. 23

 B. 61

 C. 0

 D.42



Bottom of Form

**Question 2. What is the symbol of pi?**

Top of Form

 A. €

 B. π

 C. Ω

 D. ∞



Bottom of Form

**Question 3. Arrange the numbers in ascending order: 36, 12, 29, 21, 7.**

Top of Form

 A. 36, 29, 21, 12, 7

 B. 36, 29, 7, 21, 12

 C. 7, 12, 21, 29, 36

 D. None of these



Bottom of Form

**Question 4. What is the greatest two digit number?**

Top of Form

 A. 10

 B. 90

 C. 11

 D. 99



Bottom of Form

**Question 5. How much is 90 – 19?**

Top of Form

 A. 71

 B. 109

 C. 89

 D. None of these



Bottom of Form

**Question 6. 20 is divisible by ……… .**

Top of Form

 A. 1

 B. 3

 C. 7

 D. None of these



Bottom of Form

**Question 7. Find the value of x; if x = (2 × 3) + 11.**

Top of Form

 A. 55

 B. 192

 C. 17

 D. 66



Bottom of Form

**Question 8. What is the smallest three digit number?**

Top of Form

 A. 100

 B. 999

 C. 111

 D. 101



Bottom of Form

**Question 9. How much is 190 – 87 + 16?**

Top of Form

 A. 103

 B. 261

 C. 87

 D. 119



Bottom of Form

**Question 10. What is 1000 × 1 equal to?**

Top of Form

 A. 1

 B. 1000

 C. 0

 D. None of these



Bottom of Form