Object Oriented Programming with C++

Question Text	Option 1	Option 2	Option 3	Option 4
Which was the first purely object oriented programming language developed?	Java	C++	SmallTalk	Kotlin
Which of the following best defines a class?	Parent of an object	Instance of an object	Blueprint of an object	Scope of an object
Who invented OOP?	Alan Kay	Andrea Ferro	Dennis Ritchie	Adele Goldberg
What is the additional feature in classes that was not in structures?	Data members	Member functions	Static data allowed	Public access specifier
Which is not feature of OOP in general definitions?	Code reusability	Modularity	Duplicate/Redundant data	Efficient Code
Which Feature of OOP illustrated the code reusability?	Polymorphism	Abstraction	Encapsulation	Inheritance
How many classes can be defined in a single program?	Only 1	Only 100	Only 999	As many as you want
Why Java is Partially OOP language?	It supports usual declaration of primitive data types	It doesn't support all types of inheritance	It allows code to be written outside classes	It does not support pointers
Which concept of OOP is false for C++?	Code can be written without using classes	Code must contain at least one class	A class must have member functions	At least one object should be declared in code
Which header file is required in C++ to use OOP?	iostream.h	stdio.h	stdlib.h	OOP can be used without using any header file
Which of the two features match each other?	Inheritance and Encapsulation	Encapsulation and Polymorphism	Encapsulation and Abstraction	Abstraction and Polymorphism
Which feature allows open recursion, among the following?	Use of this pointer	Use of pointers	Use of pass by value	Use of parameterized constructor
Which of the following is not type of class?	Abstract Class	Final Class	Start Class	String Class
Class is pass by _____	Value	Reference	Value or Reference, depending on program	Copy
What is default access specifier for data members or member functions declared within a class without any specifier, in C++?	Private	Protected	Public	Depends on compiler
Which is known as a generic class?	Abstract class	Final class	Template class	Efficient Code

Size of a class is _____	Sum of the size of all the variables declared inside the class	Sum of the size of all the variables along with inherited variables in the class	Size of the largest size of variable	Classes doesn't have any size
Which class can have member functions without their implementation?	Default class	String class	Template class	Abstract class
Which of the following describes a friend class?	Friend class can access all the private members of the class, of which it is a friend	Friend class can only access protected members of the class, of which it is a friend	Friend class don't have any implementation	Friend class can't access any data member of another class but can use it's methods
What is the scope of a class nested inside another class?	Protected scope	Private scope	Global scope	Depends on access specifier and inheritance used
Which syntax for class definition is wrong?	class student{ };	student class{ };	class student{ public: student(int a){ } };	class student{ student(int a){} };
Which of the following pairs are similar?	Class and object	Class and structure	Structure and object	Structure and functions
Which among the following is false for class features?	Classes may/may not have both data members and member functions	Class definition must be ended with a colon	Class can have only member functions with no data members	Class is similar to union and structures
Instance of which type of class can't be created?	Anonymous class	Nested class	Parent class	Abstract class
Which definition best describes an object?	Instance of a class	Instance of itself	Child of a class	Overview of a class
How many objects can be declared of a specific class in a single program?	32768	127	1	As many as you want
Which among the following is false?	Object must be created before using members of a class	Memory for an object is allocated only after its constructor is called	Objects can't be passed by reference	Objects size depends on its class data members
Which of the following is incorrect?	class student{ }s;	class student{ }; student s;	class student{ }s[];	class student{ }; student s[5];
The object can't be _____	Passed by reference	Passed by value	Passed by copy	Passed as function

How members of an object are accessed?	Using dot operator/period symbol	Using scope resolution operator	Using member names directly	Using pointer only
If a local class is defined in a function, which of the following is true for an object of that class?	Object is accessible outside the function	Object can be declared inside any other function	Object can be used to call other class members	Object can be used/accessed/declared locally in that function
Object declared in main() function _____	Can be used by any other function	Can be used by main() function of any other program	Can't be used by any other function	Can be accessed using scope resolution operator
When an object is returned_____	A temporary object is created to return the value	The same object used in function is used to return the value	The Object can be returned without creation of temporary object	Object are returned implicitly, we can't say how it happens inside program
Which feature of OOP indicates code reusability?	Encapsulation	Inheritance	Abstraction	Polymorphism
If a function can perform more than 1 type of tasks, where the function name remains same, which feature of OOP is used here?	Encapsulation	Inheritance	Polymorphism	Abstraction
If different properties and functions of a real world entity is grouped or embedded into a single element, what is it called in OOP language?	Inheritance	Polymorphism	Abstraction	Encapsulation
Which of the following is not a feature of pure OOP?	Classes must be used	Inheritance	Data may/may not be declared using object	Functions Overloading
Which among the following doesn't come under OOP concept?	Platform independent	Data binding	Message passing	Data hiding
Which feature may be violated if we don't use classes in a program?	Inheritance can't be implemented	Object must be used is violated	Encapsulation only is violated	Basically all the features of OOP gets violated
The feature by which one object can interact with another object is _____	Data transfer	Data Binding	Message Passing	Message reading
_____ underlines the feature of Polymorphism in a class.	Nested class	Enclosing class	Inline function	Virtual Function
Which feature in OOP is used to allocate additional function to a predefined operator in any language?	Operator Overloading	Function Overloading	Operator Overriding	Function Overriding
Which among doesn't illustrates polymorphism?	Function overloading	Function overriding	Operator overloading	Virtual function

Which among the following, for a pure OOP language, is true?	The language should follow 3 or more features of OOP	The language should follow at least 1 feature of OOP	The language must follow only 3 features of OOP	The language must follow all the rules of OOP
Does OOP provide better security than POP?	Always true for any programming language	May not be true with respect to all programming languages	It depends on type of program	It's vice-versa is true
Which among the following is called first, automatically, whenever an object is created?	Class	Constructor	New	Trigger
Which among the following is not a necessary condition for constructors?	Its name must be same as that of class	It must not have any return type	It must contain a definition body	It can contains arguments
Which among the following is correct?	class student{ public: int student(){} };	class student{ public: void student (){} };	class student{ public: student{}{} };	class student{ public: student(){} };
In which access should a constructor be defined, so that object of the class can be created in any function?	Public	Protected	Private	Any access specifier will work
Which among the following is true for copy constructor?	The argument object is passed by reference	It can be defined with zero arguments	Used when an object is passed by value to a function	Used when a function returns an object
If the object is passed by value to a copy constructor?	Only public members will be accessible to be copied	That will work normally	Compiler will give out of memory error	Data stored in data members won't be accessible
Which among the following helps to create a temporary instance?	Implicit call to a default constructor	Explicit call to a copy constructor	Implicit call to a parameterized constructor	Explicit call to a constructor
For constructor overloading, each constructor must differ in _____ and _____	Number of arguments and type of arguments	Number of arguments and return type	Return type and type of arguments	Return type and definition
Which among the following describes a destructor?	A special function that is called to free the resources, acquired by the object	A special function that is called to delete the class	A special function that is called anytime to delete an object	A special function that is called to delete all the objects of a class

When a destructor is called?	After the end of object life	Anytime in between object's lifespan	At end of whole program	Just before the end of object life
Which among the following is correct for abstract class destructors?	It doesn't have destructors	It has destructors	It may or may not have destructors	It contains an implicit destructor
When is the destructor of a global object called?	Just before end of program	Just after end of program	With the end of program	Anytime when object is not needed
How the constructors and destructors can be differentiated?	Destructor have a return type but constructor doesn't	Destructors can't be defined by the programmer, but constructors can be defined	Destructors are preceded with a tilde (~) symbol, and constructor doesn't	Destructors are same as constructors in syntax
Destructors can be _____	Abstract type	Virtual	Void	Any type depending on situation
Global destructors execute in _____ order after main function is terminated.	Sequential	Random	Reverse	Depending on priority
When is it advised to have user defined destructor?	When class contains some pointer to memory allocated in class	When a class contains static variables	When a class contains static functions	When a class is inheriting another class only
What is the term used to indicate the variable and constants of a class?	Data members	Variables of class	Data characters	Constants
Data members _____ (C++)	Can be initialized with declaration in classes	Can be initialized only with help of constructors	Can be initialized either in declaration or by constructor	Can't be initialized
Which among the following is true for data members?	Private data members can be initialized with declaration in class	Static members are initialized in constructors	Protected data members can be initialized in class directly	Static data members are defined outside class, not in constructor
What should be done for data member to be of user defined structure type?	The structure must have been defined before class.	The structure must have been defined after the class definition	The structure must be predefined	The structure type data members can't be used
How to access data members of a class?	Dot operator	Arrow operator	Arrow operator	Dot, arrow or direct call

To create a pointer to a private data member of a class, outside the class, which among the following is correct?	Return the address of the private data member using a member function	Access the private member using a pointer outside class	Declare the member as pointer inside the class	Not possible to create pointer to a private member
Which among the following is true for use of setter() and getter() function?	Considered best for manipulating data values	Considered the only proper way to manipulate the values	Considered specially for private members manipulation	Considered a red flag, and not recommended for large scale use
The static member functions can only use _____	Static data members	Private data members	Protected data members	Constant data members
What is the keyword used to make data members have same value?	static	const	double	abstract
Which data members can be inherited but are private to a class?	Private	Protected	Protected and Static	Privately inherited
Which among the following is not allowed for data member declaration?	int a;	static int a;	abstract a;	Boolean a;
Which among the following can be used together in a single class?	Only private	Private and Protected together	Private and Public together	All three together
Which access specifier is used when no access specifier is used with a member of class (java)?	Private	Default	Protected	Public
Which specifier allows a programmer to make the private members which can be inherited?	Private	Default	Protected	Protected and default
Which among the following is not correct in access specifier concept?	Private members can be accessed using friend functions	Member functions can be made private	Default members can't be inherited	Public members are accessible from other classes also
If a class has all the private members, which specifier will be used for its implicit constructor?	Private	Public	Protected	Default
If class A has add() function with protected access, and few other members in public. Then class B inherits class A privately. Will the user will not be able to call _____ from the object of class B.	Any function of class A	The add() function of class A	Any member of class A	Private, protected and public members of class A
Which access specifier should be used in a class where the instances can't be created?	Private default constructor	All private constructors	Only default constructor to be public	Only default constructor to be protected
On which specifier's data, does the size of a class's object depend?	All the data members are added	Only private members are added	Only public members are added	Only default data members are added

If class B inherits class A privately. And class B has a friend function. Will the friend function be able to access the private member of class A?	Yes, because friend function can access all the members	Yes, because friend function is of class B	No, because friend function can only access private members of friend class	No, because friend function can access private member of class A also
If an abstract class has all the private members, then _____	No class will be able to implement members of abstract class	Only single inheritance class can implement its members	Only other enclosing classes will be able to implement those members	No class will be able to access those members but can implement.
Which access specifier should be used so that all the parent class members can be inherited and accessed from outside the class?	Private	Default or public	Protected or private	Public
Which access specifier is usually used for data members of a class?	Private	Default	Protected	Public
Which specifier should be used for member functions of a class?	Private	Default	Protected	Public
What is an exception?	Problem arising during compile time	Problem arising during runtime	Problem in syntax	Problem in IDE
Why do we need to handle exceptions?	To prevent abnormal termination of program	To encourage exception prone program	To avoid syntax errors	To save memory
An exception may arise when _____	Input is fixed	Input is some constant value of program	Input given is invalid	Input is valid
If a file that needs to be opened is not found in the target location then _____	Exception will be produced	Exceptions are not produced	Exception might get produced because of syntax	Exceptions are not produced because of logic
Which is the universal exception handler class?	Object	Math	Errors	Exceptions
What are two exception classes in hierarchy of java exceptions class?	Runtime exceptions only	Compile time exceptions only	Runtime exceptions and other exceptions	Other exceptions
Which are the two blocks that are used to check error and handle the error?	Try and catch	Trying and catching	Do and while	TryDo and Check
How many catch blocks can a single try block can have?	Only 1	Only 2	Maximum 127	As many as required
Which among the following is not a method of Throwable class?	public String getMessage()	public Throwable getCause()	public Char toString()	public void printStackTrace( )

To catch the exceptions _____	An object must be created to catch the exception	A variable should be created to catch the exception	An array should be created to catch all the exceptions	A string have to be created to store the exception
Multiple catch blocks _____	Are mandatory for each try block	Can be combined into a single catch block	Are not possible for a try block	Can never be associated with a single try block
Which class is used to handle the input and output exceptions?	InputOutput	InputOutputExceptions	IOExceptions	ExceptionsIO
Why do we use finally block?	To execute the block if exception occurred	To execute a code when exception is not occurred	To execute a code whenever required	To execute a code with each and every run of program
Which header file is required to use file I/O operations?	<ifstream>	<ostream>	<fstream>	<iostream>
Which of the following is used to create an output stream?	ofstream	ifstream	iostream	fsstream
By default, all the files in C++ are opened in _____ mode.	Text	Binary	ISCII	VTC

WEB PROGRAMMING

Question Text	Option 1	Option 2	Option 3	Option 4
What is internet?	a single network	b) a vast collection of different networks	c) interconnection of local area networks	INTERCONNECTION ON WIDE AREA NETWORK
To join the internet, the computer has to be connected to a _____	internet architecture board	internet society	internet service provider	different computer
Internet access by transmitting digital data over the wires of a local telephone network is provided by _____	leased line	digital subscriber line	digital signal line	digital leased line
ISP exchanges internet traffic between their networks by _____	internet exchange point	subscriber end point	isp end point	internet end point
Which of the following protocols is used in the internet?	HTTP	b) DHCP	c) DNS	d) DNS, HTTP and DNS
The size of an IP address in IPv6 is _____	32 BITS	64 BITS	128 BITS	264 BITS
Internet works on _____	packet switching	circuit switching	both packet switching and circuit switching	data switching
Which one of the following is not an application layer protocol used in internet?	remote procedure call	internet relay chat	resource reservation protocol	local procedure call
Which protocol assigns IP address to the client connected in the internet?	DHCP	b) IP	c) RPC	d) RSVP
Which one of the following is not used in media access control?	ethernet	b) digital subscriber line	c) fiber distributed data interface	d) packet switching
A piece of icon or image on a web page associated with another webpage is called _____	url	b) hyperlink	c) plugin	d) extension
Dynamic web page _____	is same every time whenever it displays	generates on demand by a program or a request from browser	both is same every time whenever it displays and generates on demand by a program or a request from browser	is different always in a predefined order
What is a web browser?	a program that can display a web page	a program used to view html documents	it enables user to access the resources of internet	ALL OF THE ABOVE
Common gateway interface is used to _____	generate executable files from web content by web server	generate web pages	stream videos	download media files
URL stands for _____	unique reference label	uniform reference label	uniform resource locator	unique resource locator
A web cookie is a small piece of data that is _____	sent from a website and stored in user's web browser while a user is browsing a website	sent from user and stored in the server while a user is browsing a website	sent from root server to all servers	sent from the root server to other root servers
Which one of the following is not used to generate dynamic web pages?	PHP	b) ASP.NET	c) JSP	d) CSS
An alternative to JavaScript on windows platform is _____	VBScript	b) ASP.NET	c) JSP	d) PHP
What is document object model (DOM)?	convention for representing and interacting with objects in html documents	application programming interface	hierarchy of objects in ASP.NET	scripting language
AJAX stands for _____	asynchronous javascript and xml	advanced JSP and xml	asynchronous JSP and xml	advanced javascript and xml
HTML tags are enclosed in-	# and #	{ and }	! and ?	< and >
Which of the following tag is used to add rows in the table?	<td> and </td>	<th> and </th>	<tr> and </tr>	<P> AND </P>
The <hr> tag in HTML is used for -	1. new line	1. vertical ruler	1. horizontal ruler	1. new paragraph
The tags in HTML are -	1. case-sensitive	1. in upper case	1. not case sensitive	1. in lowercase
Which of the following is the root tag of the HTML document?	1. <body>	1. <head>	1. <title>	1. <html>
In HTML5, which of the following tag is used to initialize the document type?	1. <Doctype HTML>	1. <\Doctype html>	1. <Doctype>	1. <!DOCTYPE html>

Which of the following tag is used to create a combo box (or drop-down box)?	1. <list>	2. <select>	3. <input type = "dropdown">	4.
Which is the correct way to comment out something in HTML?	1. Using ## and #	1. Using <!-- and -->	1. Using </-- and -/->	1. Using <!-- and -!>
Which type of JavaScript language is ___	1. Object-Oriented	object based	assembly language	high level
Which one of the following also known as Conditional Expression:	1. Alternative to if-else	1. Switch statement	1. If-then-else statement	1. immediate if
In JavaScript, what is a block of statement?	1. Conditional block	1. block that combines a number of statements into a single compound statement	1. both conditional block and a single statement	1. block that contains a single statement
When interpreter encounters an empty statements, what it will do:	1. Shows a warning	1. Throws an error	1. Prompts to complete the statement	1. Ignores the statements
The "function" and " var" are known as:	data types	keyboaards	1. Declaration statements	prototypes
Which one of the following is the correct way for calling the JavaScript code?	1. Preprocessor	1. Triggering Event	1. RMI	1. Function/Method
Which of the following type of a variable is volatile?	1. Mutable variable	1. Dynamic variable	1. Volatile variable	1. Immutable variable
Which of the following option is used as hexadecimal literal beginning?	1. 00	2. 0x	3. 0X	4. Both 0x and 0X
When there is an indefinite or an infinite value during an arithmetic computation in a program, then JavaScript prints_____.	1. Prints an exception error	1. Prints an overflow error	1. Prints the value as such	1. Displays "Infinity"
In the JavaScript, which one of the following is not considered as an error:	1. Syntax error	1. Missing of semicolons	1. Division by zero	1. Missing of Bracket
Which of the following number object function returns the value of the number?	1. toString()	1. valueOf()	1. toLocaleString()	1. toPrecision()
Which of the following function of the String object returns the character in the string starting at the specified position via the specified number of characters?	slice	splict	substr	search
Choose the correct snippet from the following to check if the variable "a" is not equal the "NULL":	1. if(a!==null)	1. if (a!)	1. if(a!null)	1. if(a!=null)
In JavaScript, what will be used for calling the function definition expression:	1. Function prototype	1. Function literal	1. Function calling	1. Function declaration
Which of the following one is the property of the primary expression:	1. Contains only keywords	1. basic expressions containing all necessary functions	1. contains variable references alone	1. stand-alone expressions
Which one of the following is used for the calling a function or a method in the JavaScript:	1. Property Access Expression	1. Functional expression	1. Invocation expression	1. Primary expression
The "new Point(3,2)", is a kind of _____ expression	1. Object Creation Expression	1. Primary Expression	1. Invocation Expression	1. Constructor Calling Expression
Which one of the following operator is used to check weather a specific property exists or not:	exits	exists	within	in
Which one of the following is an ternary operator:	1. ?	2. :	3. -	4. +
What we will get if we compare the "one" with "8" using the less than operator ("one"<8)?	FALSE	TRUE	non	undefined
In a case, where the value of the operator is NULL , the typeof returned by the unary operator is___.	undefined	string	boolean	object
Which one of the following is not a keyword:	if	with	debugger	use strict
Which one of the following symbol is used for creating comments in the javascript:	//	\\	**\	/**/
What are the three important manipulations for a loop on a loop variable?	1. Updation, Incrementation, Initialization	1. Initialization, Testing, Incrementation	1. Testing, Updation, Testing	1. Initialization, Testing, Updation
What does PHP stand for?	Personal Home Page	Hypertext Preprocessor	Pretext Hypertext Processor	preposser home page
PHP files have a default file extension of_____	.html	.htm	.php	.ph
What should be the correct syntax to write a PHP code?	< php >	<? ?>	< ? php ?>	<?php ?>
Which version of PHP introduced Try/catch Exception?	php 4	php 5	php6	php 5 and later
Which of the below statements is equivalent to $add += $add?	$add = $add	$add = $add + 1	$add = $add +$add	$add = $add + $add + 1
Which statement will output $x on the screen?	echo “\$x”;	echo “$$x”;	echo “/$x”;	echo “$x;”;
Which of the below symbols is a newline character?	\r	\n	/r	/n
If $a = 12 what will be returned when ($a == 12) ? 5 : 1 is executed?	12	1	error	5

Who is the father of PHP?	Rasmus Lerdorf	Willam Makepiece	Drek Kolkevi	List Barely
Type Hinting was introduced in which version of PHP?	php 4	php5	php 5.3	php 6
A function in PHP which starts with __ (double underscore) is known as _____	Magic Function	Inbuilt Function	Default Function	User Defined Function
Character data can be stored as _____	Fixed length string	Variable length string	Either Fixed or Variable length string	non fixed length
Which "text type" has the maximum number of bytes?	Tiny text	Text	Medium text	Long text
Which among the following have the maximum bytes?	Varchar	Char	Text type	Both Varchar and Char
What will happen if the data being loaded into a text column exceeds the maximum size of that type?	Extra memory will be allocated	Process terminate	Data will be truncated	Depend on the system
Which data type is more suitable for storing "small notes" in Mysql?	char	varchar	Medium text	long text
"Numeric Data" is used to store _____	whole number	natural number	rational number	both whole number and natural number
Which among the following are the correct representation of "float(4,2)"?	24.33	124.4	12.123	Both 24.33 and 124.4
Which among the following is the correct representation of "float(5,0)"?	12345.123	12345.1	12345	123.123
Which data type is used to store data and time in Mysql?	Numeric data type	Temporal data type	Text data type	Char/Varchar
What is the default format for "Date" data type?	YYYY-MM-DD	MM-YYYY-DD	assembly language	ALL OF THE ABOVE
The datatype for single precision floating point number is _____	float	init	decimal	biginit
Which datatype is used for a fixed length binary string?	VARCHAR	BINARY	VARBINARY	BLOB
The datatype INT stores _____	16 bit	32bit	64 bits	128 bits
The storage size in bytes required for the MEDIUMINT datatype is _____	1	2	3	4
The size of the BIT type is _____	1	2	3	variable
The output from PHP is _____	statically generated	dynamically generated	not generated	no output
What returns a result to the client?	Stored functions	Stored procedures	Triggers	Events
What is defined to execute when the table is modified only?	Stored functions	Stored procedures	Triggers	Events
The statement used to create a trigger is _____	CREATE TRIGGER	CREATE TRIGGERS	PRODUCE TRIGGER	PRODUCE TRIGGERS
The number of values that can be returned from a given stored function is _____	0	1	2	3
What is the creation of a stored program similar to?	trigger	event	view	table
What is the maximum number of indexes on MyISAM table?	0	1	2	more then 1
The tool for copying databases is _____	mysql	mysqlcheck	mysqlhotcopy	mysqlisamchk
Which statement is used to check how MySQL would execute a SELECT query?	tell	show	display	explain
The function used to convert an int to string is _____	a) INET_ATON()	INET_NTOA()	INET_ITOS()	INET_STOI()
Which of these is the metadata log?	error log	ddl log	binary log	relay log
Which one of the following databases has PHP supported almost since the beginning?	oracle database	sql	sql+	mysql
Which one of the following statements is used to create a table?	CREATE TABLE table_name (column_name column_type);	CREATE table_name (column_type column_name);	CREATE table_name (column_name column_type);	CREATE TABLE table_name (column_type column_name);
Which method returns the error code generated from the execution of the last MySQL function?	errno()	errnumber()	errorno()	errornumber()
. If there is no error, then what will the error() method return?	TRUE	FALSE	empty string	0
Which one of the following statements should be used to include a file?	#include 'filename';	include 'filename';	@include 'filename';	#include <filename>;
Which one of the following methods is responsible for sending the query to the database?	query()	send_query()	sendquery()	mysqli_query()
Which one of the following methods recuperates any memory consumed by a result set?	destroy()	mysqli_free_result()	alloc()	free()
Which version of MySQL introduced the prepared statements?	MySQL 4.0	MySQL 4.1	MySQL 4.2	MySQL 4.3
Which one of the following methods is used to recuperating prepared statements resources?	end()	finish()	mysqli_close()	close()
Which method rolls back the present transaction?	commit()	undo()	mysqli_rollback()	rollback()
Size of a class is _____	Sum of the size of all the variables declared inside the class	Sum of the size of all the variables along with inherited variables in the class	Size of the largest size of variable	Classes doesn't have any size

Green Computing

Question Text	Option 1	Option 2	Option 3	Option 4
Recycle is _____ component of waste hierarchy.	first	second	third	fourth
Following ISO standard is for environmental management control of recycling practice.	14001:2012	14001:2013	14001:2014	14001:2015
The raw material that is sent to, and processed in a waste recycling plant or materials recovery facility which will be used to form new products is known as	Recyclate	Recycling material	recycled material	prerecycling
Following material has highest recyclate quality	paper	plastic	steel	oil
In which of the following recycling, maximum energy is saved	steel	cardboard	paper	aluminium cans
The open source movement has meant that there is a huge reusable code base available at	free of cost	low cost	high cost	short period of time
Which of the following is thermosetting plastic?	Polythene	PVC	Melamine	Nylon
The three R's of Green IT……	Reuse,Refurbish,Recycle	Reuse,Repair,Recycle	Restriction,Refurbish, Recycle	Restrict,Repair,Recycle
___ Manage their Computers and their components in environment friendly way.	Green Hard Drives	Green store	Drivers	Green design
When a device cannot be reused and recycled it is should be	dismantled	put in waste	Disposed off	reassembled
When did the Basel convention come into force?	1989	1990	1991	1992
What is considered as a waste under Basel convention?	Substance which has to be thrown	Substance which has to disposed by law	Throw away object	Object not in use
What is the overall goal of Basel Convention?	Chemical analysis	Waste characterisation	Protect ecosystem from improper hazardous waste management	Restrict import of waste
___registered product has less negative effects across their lifecycle	WEEE	WEE	EEAT	EPEAT
PUE stands for……..	Power Usage Effectiveness	Product Usage Effectiveness.	Power Usage Efficiency	Product Usage Efficiency
_____minimizes hardware and thus reduces power consumption.	Virtualization	Consolidation	Server Power Management in the Data center.	Cloud computing
_____ are the most common storage media which consist of disk platter on rotating spindle and read/write heads	Hard disks	Drivers	Solid State Drive (SSD)	Pen drives
__Technique try to turnoff spindle motor when not serving any request or during idle periods	Caching	State Transitioning	Dynamic RPM	Solid State Drive (SSD)
_____ is a mechanism for improving the time taken to read from or write to a disk.	Caching	state Transitioning.	Dynamic RPM	Solid State Drive (SSD)
_____ copy files based on their temporal locality to other Disks.	Green store.	Massive Array of	popular data	Drivers
What method of renewable electricity generation emits greenhouse gases?	Hydroelectric	Solar panels	Ocean tidal power	Solar panels, hydroelectric, and ocean tidal power do not emit greenhouse gases
_____Is integration of computer resources from various locations to form a common virtual platform	Virtualization	Service oriented architecture (SOA).	Cloud computing	Grid Computing
DAS is ___	Direct Area Storage	Direct Access Storage	Direct Area Services	Direct Attached Storage
__ Is promoting company's deceptively in the aim of manufacturing environment friendly product	Green Hard Drive	Green store.	Green Washing	Green design
__ Is a software with minimal environmental impact and sufficient balance.	Green software	Sustainable software	Reusable Software	compact software
LEED Stands for__	Lead in Energy and Environmental Design	Leadership in Energy and Environmental Design	Lead in Energy and Electronic Design	Leadership in Energy and Electronic Design
___ Are analytical tools which help a manager to take a relatively routine decision on and information from levels of organization	Decision Support System	Management Support System	Executive Support System	Support System
This is level of LEED certification……	Certified,Silver,gold, platinum	Bronze,Silver,gold,platinum	Bronze,Silver	Copper,Silver,gold,platinum
The ___ mode retains the state of the system where's internal device and optical device are powered off.	Shut Down	Stand by	Power off	Hibernate
___Is used to address the problem of electrical and electronic waste	StEP(Solving e-waste problem)	STEP (Solving e-waste problem)	RoHS	WEEE
Networking has_ Layers	four	five	three	two
Energy is released from fossil fuels when they are___	Pumped	Cooled	Burned	Pressurized
__ Approch Time-base range is whithin 1 year.	Strategic	Operational	Tactical	Strategic(Initial)

___ Gives certain guidelines for packaging and transportation .	england environment protection agency 2011	UK environment protection agency 2011	US environment protection agency 2012	US environment protection agency 2011
In optical media group which is the latest addition from the following?	CD-RW DVD-RW	Blu-Ray Disk	DVD-RAM	DVD-ROM
RMI stands for?	Remote Mail Invocation	Remote Message Invocation	Remaining Method Invocation	Remote Method Invocation
A typical _____ program creates some remote objects, makes references to these objects accessible, and waits for clients to invoke methods on these objects.	Server	Client	Thread	Concurrent
Carbon footprint can be measured by:	Carbon dating	Instruments	Carbon accounting	Formula
How many types of ecological pyramids are there?	three	two	four	five
A legally binding agreement between 2 or more nation states relating to environment is:	BEA	BA	MA	MEA
The blades in wind turbines are connected to__	Nacelle	Tower	Foundations	String
CGO stands for __	Central Godown officer	Central Goods Officer	Chief Group Officer	Chief Green Officer
Meeting of the needs of the present without compromising the ability of future generations to meet their own needs is called	waste management	sustainable Development	clean Development mechanism	forest management strategy
The sum of all emissions of carbon dioxide which were induced by an entity's activities in a given timeframe is called	Carbon Footprint	Carbon Intensity	Carbon sinks	Carbon solubles
Following is one of the organization which is helping in achieving Green goals	Electronic Power Research Institute	Energy Power Research Institute	Excess Process Regional Instiute	
___ helps in monitoring the overall progress and omparing that progress with the other organisation.	Rating	Bencmarking	Verifying	Selecting
Central and state pollution control Boards have been established by	The Environment (Protection) Act 1986	The Air(Pollution and control of Pollution) Act 1986	The water (Prevention and control of Pollution) Act, 1974	The Environment (Protection) Act 1960
Saas stands for __	Software as a Secret	Software As a Source	Software Authority as Senctioning	Software As A Service
Telecommuting is ___	Travelling	Talking over the phone while travelling	telepathy	Working from remote location away from the traditional office
Outsourcing is __	Fetching some work from internal colleagues	finding a source online	contract (work) out.	non-working day

Microprocessor Architecture

Question Text	Option 1	Option 2	Option 3	Option 4
Which clock pulses are generated by the microprocessor so as to handle the timing and control operations related to internal functioning level?	single phase clock pulses	multi-phase clock pulses	anti-phase clock pulses	two phase
What is another name of memory stack especially given for the fundamental function performed by it?	Last-in-first-out (LIFO)	First-in-last-out (FILO)	First-in-first-out (FIFO)	Last-in-last-out (LILO)
Processors process the data to measure the output and store it to the memory.	TRUE	FALSE	Can be true or false	Cannot say
The more correct a senor can measure, the more _____ it is:	Accurate	Precise	Scaled	Extent
Touch screen of mobile phone uses:	AFR Sensor	Pellistor	Viscometer	Tactile sensors
Which of the following is not a special function register?	Program counter	Instruction pointer	Accumulator	Stack pointer
__is an important factor ofmanagement information system.	System	Data	Process	information
After the design phase the document prepared is known as___	system specification	performance specification	design specification	commercial specification
__ can be defined as most recent & comprehensive tecnhique for solving computer problems	System Analysis	System data	System procedure	System Record
SP stands for ___	Stack pointer	Segment pointer	Status pointer	State pointer
The data flow diagram is the basic component of __ system.	Conceptual	Logical	Physical	Virtual
Which of the following is correct for microprocessor Intel 8085?	8 bit microprocessor	16 bit microprocessor	4 bit microprocessor	32 bit microprocessor
In any processor speed is rated in terms of	Time	Bits per second	Clock frequency	Input resistance
What is the order decided by a processor or the CPU of a controller to execute an instruction?	decode,fetch,execute	execute,fetch,decode	fetch,execute,decode	fetch,decode,execute
Which of the following part of the microprocessor is close related to register?	Processor	CPU	ALU	Memory
How are the performance and the computer capability affected by increasing its internal bus width?	it increases and turns better	it decreases	remains the same	internal bus width doesn't affect the performance in any way

Abbreviate CISC and RISC.	Complete Instruction Set Computer, Reduced Instruction Set Computer	Complex Instruction Set Computer, Reduced Instruction Set Computer	Complex Instruction Set Computer, Reliable Instruction Set Computer	Complete Instruction Set Computer, Reliable Instruction Set Computer
Give the names of the buses present in a controller for transferring data from one place to another?	data bus,address bus	data bus	data bus, address bus, control bus	address bus
What is the file extension that is loaded in a microcontroller for executing any instruction?	.doc	.c	.txt	.hex
How many flags does 8085 have?	4	5	8	9
The main virtue for using single Bus structure is _____	Fast data transfers	Cost effective connectivity and speed	Cost effective connectivity and ease of attaching peripheral devices	Cost sensitive
_____ are used to overcome the difference in data transfer speeds of various devices.	Speed enhancing circuitory	Bridge circuits	Multiple Buses	Buffer registers
To extend the connectivity of the processor bus we use _____	PCI bus	SCSI bus	Controllers	Multiple bus
IBM developed a bus standard for their line of computers ‘PC AT’ called _____	IB bus	M-bus	ISA	Serial Bus
The bus used to connect the monitor to the CPU is __	PCI bus	SCSI bus	Memory bus	Rambus
ANSI stands for _____	American National Standards Institute	American National Standard Interface	American Network Standard Interfacing	American Network Security Interrupt
__ register Connected to the Processor bus is a single-way transfer capable.	PC	IR	Temp	Z
In multiple Bus organisation, the registers are collectively placed and referred as _____	Set registers	Register file	Register Block	Map registers
The main advantage of multiple bus organisation over a single bus is _____	Reduction in the number of cycles for execution	Increase in size of the registers	Better Connectivity	Increase in the number of cycles for execution
The ISA standard Buses are used to connect __	RAM and processor	GPU and processor	Harddisk and Processor	CD/DVD drives and Processor

_____converts the programs written in assembly language into machine instructions.	Machine compiler	Interpreter	Assembler	Converter
The instructions like MOV or ADD are called as _____	OP-Code	Operators	Commands	Mnemonics
The alternate way of writing the instruction, ADD #5,R1 is _____	ADD [5],[R1];	ADDI 5,R1;	ADDIME 5,[R1];	There is no other way
Instructions which won't appear in the object program are called as _____	Redundant instructions	Exceptions	Comments	Assembler Directives
__ is used as an intermediate to extend the processor BUS.	Bridge	Router	Connector	Gateway
___ is an extension of the processor BUS.	SCSI BUS	USB	PCI BUS	UART
What is the full form of ISA?	International American Standard	Industry Standard Architecture	International Standard Architecture	International Association Standard
What is the full form of ANSI?	American National Standards Institute	Architectural National Standards Institute	Asian National Standards Institute	Australian National Standards Institute
The video devices are connected to _____ BUS.	PCI	USB	HDMI	SCSI
ISO stands for _____	International Standards Organisation	International Software Organisation	Industrial Standards Organisation	Industrial Software Organisation
Which of the following is used for storing flag registers	Status register	Control register	Buffer register	stack pointer
When an interrupt is enabled, then where does the pointer moves immediately after this interrupt has occurred?	to the next instruction which is to be executed	to the first instruction of ISR	to a fixed location in memory called interrupt vector table	to the end of the program
What are the contents of the IE register, when the interrupt of the memory location 0x00 is caused?	0xFFH	0x00H	0x10H	0xF0H
After RETI instruction is executed then the pointer will move to which location in the program?	next interrupt of the interrupt vector table	immediate next instruction where interrupt is occurred	next instruction after the RETI in the memory	next memory location
Which pin of the external hardware is said to exhibit INT0 interrupt?	pin no 10	pin no 11	pin no 12	pin no 13
Which bit of the IE register is used to enable TxD/RxD interrupt?	IE.D5	IE.D2	IE.D3	IE.D4

What is the disadvantage of a level triggered pulse?	a constant pulse is to be maintained for a greater span of time	another interrupt may be generated if the low-level signal is not removed before the ISR is finished	it is difficult to produce	another interrupt may be caused if the signal is still low before the completion of the last instruction
How many types of architectures are available, for designing a device that is able to work on its own?	3	2	1	4
Which architecture is followed by general purpose microprocessors?	Harvard architecture	Von Neumann architecture	ANSI architecture	ISA architecture
Arithmetic and logic instruction executes by	CPU	ALU	Memory Unit	registers
Which out of the following supports Harvard architecture?	ARM7	Pentium	SHARC	ARM 9
Which of the two architecture saves memory?	Harvard	Von Neumann	Harvard & Von Neumann	ANSI
In a processor address line represents	Total memory locations	Half of Total memory locations	CPU, RAM, ROM, I/O ports and timers	CPU, ROM, I/O ports and timers
Unlike microprocessors, microcontrollers make use of batteries because they have:	high power dissipation	low power consumption	low voltage consumption	low current consumption
What is the order decided by a processor or the CPU of a controller to execute an instruction?	decode,fetch,execute	execute,fetch,decode	fetch,execute,decode	fetch,decode,execute
If we say microprocessor is 8-bit then here 8-bit denotes size of:	Data Bus	ALU	Control Bus	Address Bus
Each port line of a port can individually source a current of upto	0.2 mA	0.25 mA	0.5 mA	0.75 mA
Which of the following locates a parameter block by using an address pointer?	OS	kernel	system	memory
Which of the following are not dependent on the actual hardware performing the physical task?	applications	hardware	registers	parameter block
Which of the following bus can easily upgrade the system hardware?	control bus	data bus	VMEbus	Mus Interface Unit
Intel 8085 is a popular__chip	32 bit	16 bit	8 bit	64 bit
The ___Operating System pays more attention to the meeting of the time limits.	Network	Distributed	Online	Real-time
Because of Pentium's superscalar architecture, the number of instructions that are executed per clock cycle is	One	Two	Three	four

The interrupt latency should be _____ for real time operating systems.	maximum	minimal	dependent on the scheduling	zero
Which scheduling amount of CPU time is allocated to each process?	equal share scheduling	none of the mentioned	earliest deadline first scheduling	proportional share scheduling
What is the Use of the robot by car manufacturing companies the example of…	applicant controlled computers	user-controlled computers	machine controlled computers	network control led computers
When the System processes data instructions without any delay is called as	online system	real-time system	instruction system	offline system
Which single task of a particular application is process is a type of processor…	applicant processor	one task processor	real time processor	dedicated processor
The Time duration required for scheduling dispatcher to stop one process and start another is called	dispatch latency	process latency	interrupt latency	execution latency
A set of progran written for a microproccesr based system is called as	coding	machine code	software	Firmware
Which of the following is Preemptive, priority-based scheduling guarantees?	protection of memory	hard real-time functionality	soft real-time functionality	firm real time
In which the access takes place when different processes try to access the same data concurrently and the outcome of the execution depends on the specific order, is called	dynamic condition	race condition	essential condition	critical condition
Synchronization tool is?	thread	pipe	semaphore	socket
When high priority task is indirectly preempted by medium priority the scenario is called	priority inversion	priority removal	priority exchange	priority modification
How can we avoid deadlock	resource allocation must be done at once	there must be a fixed number of resources to allocate	all deadlock process must be aborted	inversion technique can be used
The major issue with access control lists is :	their maintenance	their permissions	their scrutiny	their length
Groups can be modified and created In UNIX by :	any user	superuser	the people in the group only	a programmer only
If the order of operation on two or more files are similar in files, then the operation will be	sequential	combinational	complex	simple
Instructions fetched by CPU according to the value of —— from memory?	program status word	status register	program counter	instruction register
The address generated by CPU is:	absolute address	logical address	physical address	mac address

Which design considers both the hardware and software during the embedded design?	Memory Design	Software/ hardware codesign	Platform-based design	Peripheral design
What does API stand for?	ApplicationProgramming Interface	Address Programming Interface	Accessing peripheral through the interface	Access Programming Interface
Which design allows the reuse of the software and the hardware components?	Memory Design	Input design	Platform-based design	Peripheral design
Which design activity can be used for the mapping operation to hardware?	High-level transformation	Scheduling	Compilation	Hardware / Software partitioning
Which process can be used in analyzing the set of possible designs?	Scheduling	Design space exploration	Hardware / Software partitioning	Compilation
Which of the following processor is not a 8 bit	8085	8080	MC68000	4004
What is the main ingredient for power optimization?	Power Model Energy Model		Power Compiler	Watt Model
Which of the following function can interpret data in the C language?	Scanf	Printf	File	Proc
Which statement replaces all occurrences of the identifier with string?	# include	# define identifier string	# ifdef	# define MACRO()
Which command takes the object file and searches library files to find the routine calls?	Emulator	Simulator	Linker	Debugger
Which of the following language can describe the hardware?	C++	C	VHDL	JAVA
Computer has a built-in system clock that emits millions of regularly spaced electric pulses per _____ called clock cycles.	second	millisecond	microsecond	minute
The operation that does not involves clock cycles is _____	Installation of a device	Execute	Fetch	Decode
The number of clock cycles per second is referred as _____	Clock speed	Clock frequency	Clock rate	Clock timing
CISC stands for _____	Complex Information Sensed CPU	Complex Instruction Set Computer	Complex Intelligence Sensed CPU	Complex Instruction Set CPU
Which of the following processor has a fixed length of instructions?	CISC	RISC	EPIC	Multi-core
Processor which is complex and expensive to produce is _____	RISC	EPIC	CISC	Multi-core
The architecture that uses a tighter coupling between the compiler and the processor is _____	EPIC	Multi-core	RISC	CISC
A circuitry that processes that responds to and processes the basic instructions that are required to drive a computer system is _____	Memory	ALU	CU	Processor
Which one is not a non vector interrupt	TRAP	INTR	RST 6.5	RST 7.5