www.pakcity.org	Class:12 th :COMPUTER SCIENCE
Q15: Which part of the compiler handles the p	preprocessor directives?
Supervisor B Shell	© Processor
Q16: The extension of header file is:	
A .c B .txt	.hf D .h
Q17: Stdio.h is a part of:	
A Comment section	B Compiler
© Linker	Main function
Q18: What does the # sign indicate in an instr	
(A) Instruction for programmer	Instruction for Linker Instruction for loader
Instruction for compiler	Instruction for loader
Q19: The basic structure of C program consist	ts of:
A Preprocessor Directive	B C Preprocessor
© Main ()function	Loader
Q20: Header files in C contain:	
(A) Compiler commands	B Header information of C programs
C Library functions	D Linker commands
Q21: Which of the following header files is mo	ost commonly used in C program?
Math.h B stdio.h	© conio.h © stdlib.h
Q22: C statement ends with:	
A Period B Comma	© Colon © Semi colon
Q23: Which term in commonly used to refer t	o software or program errors?
	© Shut Down
Grasii Gr	Shut Down Bug
Q24: Which of the following reason causes the	e syntax error:
Missing statement terminator	Missing any of the delimiters
© Using a variable without declaration	
Q25: Dividing a number by zero (e.g.5/0) is a	
A Compiler error	Runtime error
© Logical error	None of these **pakcity.org
026. Mistalana that	o muo din oo in oo an a
Q26: Mistakes that cause a running program to A Syntax error	produce incorrect results is called: Logical error
© Program error	Runtime error
Q27: A spelling error (e.g. typing Int instead o	of int) is an example of:
Syntax error Runtime error	
	• · · · · · · · · · · · · · · · · · · ·

www.pakcity.org Class:12th :COM	PUTE	R SCIENCE							
Q28: Which of the following is NOT an example of a program bug? A Run time error Operator error Syntax error	\bigcirc	Logical error							
Continue error Contractor error Contract Syntax error	0	Logical error							
Q29: The lowest level of programming language is:									
A Jave B Assembly Language © Pascal	D	C++							
Q30: A program written in following language runs directly on the com	puter								
A C B Machine © Assembly	(D)	Java							
Q31: Which of the following is the native language of computer?									
A C language B Pascal Machine language	(D)	Java							
o tanguage of rasear		java							
Q32: Which one of the following translates source code to object code a	as a w	hole?							
A Interpreter © Assembler	D	Linker							
Q33: The program that translates and executes one line of source code	at a ti	me is called:							
A Compiler B Translator C Interpreter	<u>D</u>	Assemble							
024. A set of mulas that moved be fellowed to similar and small models.	_	1 3_							
Q34: A set of rules that must be followed to write or develop a program	is cal	lea:							
A Syntax B Preprocessor C Bug C	<u> </u>	Symbol							
Q35: Machine language:									
A Is the language in which programs were first written									
Is the only language understood by the computer									
Differs from one type of computer to another									
All of these									
Q36: Writing programs in machine language is:									
(A) Tedious (B) Simple (C) Time-consuming	(D)	Both A & C							
Q37: C is a:									
A High Level Language pakcit Br Assembly Language	ge								
© Low Level Language	9								
Q38: Turbo C ++ can compile:	0 1								
 A C ++ programs only B Turbo C programs C and C++ programs D Turbo C++ programs 		lv							
Turbo di programo		-J							
Q39: Debug is the process of:									
A Creating bugs in program B Identifying and ren	noving	gerrors							
© Identifying Errors © Removing Errors									
Q40: C was designed to write programs for:	164								
Unix operating system									

Q41:	Pr	eprocessor dire	ectives	s are commands	for:					
	A	Microprocess	or B	C preprocesso	r	<u>©</u>	Language	proces	sor 💿 Loader	
Q42:	Q42: The expression in define directive:									
	Can only be changed at the end of the program Cannot be change									
	$\overline{}$		_	out can be redef	ine					
99 9	(D)	Cannot be assi	gnea a	a value						
Q43: Which of the following language requires no translator to execute the program?										
	A	C (Ma	chine language	©	C++	D As	sembly	language	
Q44:	.ex	ke file is produc	ed by	the:						
	A	Linker	В	Loader	©	Compil	ler	D	Interpreter	
		ef To open how been been been been been been been bee								
Q45:				key is used to sa	ave a	727			ПО	
<u> </u>	(A)	F2	В	F3	(6)	F5		(D)	F9	
Q46:	Vo	id occupy how	many	bytes in memor	ry?		200.			
	A	Zero	В	One	©	Two	0,00	D	Three	
				Short Q	ues	tions				
					SVE					
Q1:	<u>Wh</u>	at is a comput	er pro	ogram?	0)>					
	ans: The set of instructions given to the computer to solve a specific problem is called computer program. Computer can solve problems with the help of computer program									
	Con	nputer progran	is are	written in prog	ramr	ning lang	guages.			
Q2:	Wh	at is programı	ning l	anguage?						
	ns: Programming language is used to communicate with computer. All computer programs are written in programming languages. Every programming language has a set of alphabets and rules. The instructions of computer program are written by using the alphabets and rules defined by the programming language.									
	•			rogramming la			, 3		pakcity.org	
										
				rogramming lan	guag	ges:				
		ow-level langua								
		igh level langua at is high level		112067						
	k: <u>What is high level language?</u> s: A programming language that is close to human language is called high level language.									

Class:12th:COMPUTER SCIENCE

www.pakcity.org

The instructions written in high level language look like English language sentences. High

Ans: A language that is close to the language of computer. Computer itself uses this language is

called a low level language. There are two types of low level languages.

level languages are easy to learn and understand.

Q5: What is low level language?

E

- 1. Machine language
- 2. Assembly language

Q6: What is machine language?

Ans: Machine language is also called binary language. There are only two alphabets of machine language those are zero (0) and one (1). Computer can understand only machine language. The programs written in other programming languages are first translated to machine language, and then used on computer. It is called the native language of computer.

Q7: What is assembly language?

Ans: It is a programming language in which machine language instructions are replaced by English like words. These words are known as mnemonics. It is pronounced as Ne- Monic. An assembly language used English like words. It is easy to write a program in assembly language. It is mostly used for system software.

Q8: What is source program?

Ans: A computer program written in high level language is called source program. Source program is also called source code.

Q9: What is object program?

Ans: A computer program in machine language is called object program. Object program is also called object code. Machine language is native language of computer so the object program directly runs on computer.

Q10: What is language translator?

Ans: A language processor is a software that converts a program written in any programming language into machine language. Every language has its own processor. Language processor is also called language translator.

Q11: What is compiler?

Ans: Software that converts a high level language program into machine language is called compiler. Every language has its own compiler. First a program is written in high level language. Then it is given to compiler. Compiler detects and tells about errors is programs. When high level language program is error free compiler converts it into machine language.

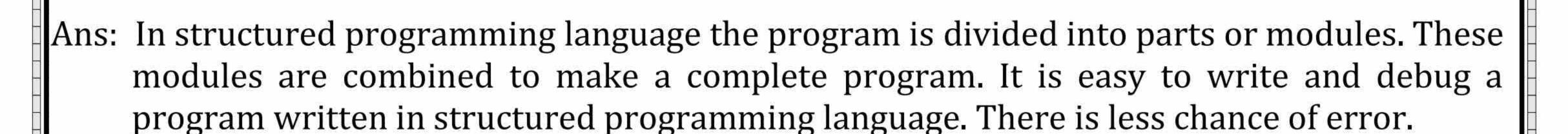
Q12: What is interpreter?

Ans: It is a program that converts a source program into object program one statement at a time. It takes one statement of source program, translates it in machine code and executes it. After the execution of one statement, it takes next statement and repeats this process till the last instruction of program.

Q13: What is assembler?

Ans: It is a language translator that converts a program written in assembly language into machine language.

Q14: What is structured programming language?



Q15: What is unstructured programming language?

Ans: In unstructured programming language whole program consists of a single unit. It does not consist of parts or modules. It is difficult to write and debug a program written in unstructured programming language. There is more chance of error.

Q16: What is preprocessor?

Ans: A compiler is a program that translates a high level language program into machine language. This process is called compilation. Preprocessor is a program that modifies a C program before compilation. Preprocessor directives are instructions for the preprocessor.

Q17: What is a preprocessor directive?

Ans: Preprocessor directives are instructions for the preprocessor. These instructions are written at the beginning of the program. Every preprocessor directive starts with # symbol. After # symbol "include" or "define" directives are used. Preprocessor directives are also called compiler directives.

Q18: What is the work of include directive?

Ans: Include is a preprocessor directive. It is used to include header files in to the program. The relevant header file of the library function, we want to uses in programs are mentioned at the beginning of program by using include directive.

Q19: What is the work of define directive?

Ans: Define preprocessor directive is used to define a constant macro. Its general syntax is:

#define Macro-Name expression

Q20: What is statement terminator?

Ans: Every C language statement ends with semicolon ";". Semicolon at the end of statement is called statement terminator.

Q21: What are delimiters?

Ans: Curly braces at the beginning and end of the main function are called delimiters. C language statements are written between delimiters.

Q22: What is main function?

a pakcity.org

Ans: Every C language program must contain a main() function. A program with out main function cannot be executed. Instructions of programs are written between the curly braces of main() function. These statements enclosed in main() function are called body of the main() function.

Q23: What are bugs and debugging?

Ans: While writing a program the programmer may come across many errors. The error in a program is called bug. The process of finding and removing errors is called debugging.

Q24: What is meant by creating a program?

Ans: Writing source code statements is called creating C program. Turbo C IDE can be used to create and edit programs. First open Turbo C IDE. Then select new from file menu. A new edit window will be opened. The cursor blinks in the window. Cursor control keys can be used for cursor movements. We write the program statements in the window and save it as a program file.

Q25: What is meant by editing a program?

Ans: Writing and editing source program is the first step. Source code is written in C language according to the type of the problem, in any text editor. Changing source code and removing errors in the program is called editing a program.

Q26: What is meant by compiling a program?

Ans: Computer does not understand C language. It understands only machine language. So C language code is converted into machine language. The process of converting source code in to machine code is called compiling. Compiler is a program that compiles source code. If compiling is successful source program is converted into object program. Object program is saved on disk. The extension of file is ".obj".

Q27: What is meant by linking a program?

Ans: The process of combining required library functions with object program is called linker. It is a part of compiler.

The linker combines object program produced by compiler and library function. It produces and saves a final machine language file. This file is called executable file is ".exe".

Q28: What is meant by executing a program?

Ans: The process of running an executable file is called executing. After linking C program can be executed. A program loader is used to transfer executable files from secondary storage to main memory. The program can be executed by selecting run from run menu bar of Turbo C IDE or by pressing Ctrl + F9 keys from keyboard.

pakcity.org

Q29: List name of some high level language.

Ans: High level languages

- > (
- > C++
- > C#
- > COBOL
- > BASIC
- > FORTRAN
- > PASCAL
- > JAVA

Q30: What is Turbo C++?

Ans: Turbo C++ is an Integrated development environment (IDE) for creating C and C++ programs. Borland international has developed it. It is also called TC editor. It is used to create, edit and save programs. It also has powerful debugging features. These help us in finding and removing errors from a program. We can easily compile program. Linking a program is also very easy. It is also used to execute a program.

please visit for more data at: www.pakcity.org

Q31: What are the necessary step to prepare a C program?

Ans: Step to prepare a C program

- Creating & Editing
- Saving
- Compiling
- Linking
- Loading
- > Running

Q32: What are header files?

Ans: Header files are part of C compiler. C language provides many built-in programs. Every program has a unique name. These programs are called built-in functions or library functions. Every library function can perform a specific task. We can use these library functions in our C language program. These functions are divided into groups according to their functionality. A group of same type of functions are stored in a same file. This file is called header file.

Q33: What is C statement?

Ans: Every instruction written in C language program is called a C statement. Every statement ends with a semicolon ".". Semicolon is called statement terminator.

Q34: What are syntax errors?

Ans: The rule for writing a program in a specific programming language is called syntax of the language. We must follow the syntax of a language. Syntax error occurs when the statements of program are not according to syntax. Compiler detects syntax errors. If there is a syntax error in program. It cannot be compiled successfully. Compiler tells about the location and type of syntax error. Syntax errors can be removed easily.

Q35: What are logical errors?

Ans: The error that is due to the wrong algorithm is called logical error. These errors occur due to the wrong logic of program. Compiler cannot detect these errors. A program having logical errors gives wrong results on execution. These errors are difficult to find, as compiler cannot detect these errors. The programmer should examine the whole program to find logical errors.

Q36: What are runtime errors?

Ans: These errors occur during the execution of program are called runtime errors. When runtime error occur the execution of program stops and computer shows an error message. These errors occur when program wants to perform such task that computer cannot perform.

pakcity.org

Q37: What is ANSI C?

Ans: C language is very powerful and flexible language. Wide range of application programs are written in C language. American National Standard Institute (ANSI) made standard version of C language in late 1980s. This standard version of C is also called ANSI C. New version of C has many new features that were not available in older versions.

pakcity.org

Q38: List any four advantages of C language?

Ans: Advantages of C language:

- > Easy to learn
- > Easy to Remove Errors
- Machine Independence
- > Standard Syntax
- > Shorter Programs

Q39: What is meant by machine independence?

Ans: A low level language program can run only on the type of computers for which it is written. So low level languages are machine dependent. A program written in high-level language is machine independent. It can run on all types of computers.

Q40: What is the difference between compiler and interpreter?

Ans: Software that converts a high level language program into machine language is called compiler. Every language has its own compiler. Compiler detects and tells about errors is programs. When high level language program is error free compiler converts it into machine language. So compiler is software that converts a source program into object program as a whole. Object code is used for execution.

It is a program that converts a source program into object program one statement at a time. It takes one statement of source program, translates it in machine code and executes it. Each time we execute a program by using its source code.



pakcity.org