MODEL ANSWER

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

Day	& Date : Total Marks : 40
	SECTION 'A'
Q.1	Define software. Enlist the different types of software. Explain about system software.
Ans:	documents (f.owcharts, manuals, etc) describing the programs, and how they are to be used. (1 Mark)
	1. System software
	2. Application software (1 Mark)
	System Software: System software is a set of one or more programs which controls the
	operations anc/or extends the processing capability of a computer system.
	Functions of System software:
	1. Supports development of other application software.
	2. Supports execution of other application software.
	3. Monitors effective use of various hardware resources such as CPU, memory, peripherals, etc.
	4. Communication with and controls operation of peripheral devices such as printer,
i	disk, tape, etc.
1	Systems software includes the programs that are dedicated to managing the computer
	itself, such as the operating system, file management utilities, and disk operating system
.	(or DOS). The operating system manages the computer hardware resources in addition
1	to applications and data. Without systems software installed in our computers we would
	have to type the instructions for everything we wanted the computer to do. (2 Mark)
Q.2	What is information communication technology? Explain its importance in detail.
Ans:	ICT includes technologies that we are interested in recording, storing, processing retrieving, transmitting and receiving information to help. Including the equipment that
N	will be used for this purpose include computers, networks, communication equipment
e	electronic fax, software. (2 marks for explaination and 2 marks for importance)
7	IT for Agricultural Teachers and Educational Planners
	• IT in Agricultural Learners in Class Rooms
	• IT for Agricultural Learners in Virtual Classes
	New IT Dimensions of Agricultural Education
	IT for Agricultural Empowerment Dimension
	• IT to link all agricultural Colleges
.3 I	Enlist computer input and output devices. Explain any two devices of both in brief.

		digital camera W	ebcam, keyboard, microphone, Scanner.			
Ans:	• Output dev	vices: Mouse, digital camera, webcam, keyboard, microphone, Scanner. evices: Monitor, printer, printer, projector, speaker. (2 marks for enlist) (1 mark for each explanation)				
0.4	Differentiate	between machine language and assembly language.				
Q. 4		chine Language	Assembly language			
Ans:	Machine in programming instructions	guage is the lowest level language where the execute directly by the	Assembly language is a low-level programming language which requires an assembler to convert to machine code/object cod.			
	Machine an	nguage is comprehensible Assembly language is comprehensible to humans.				
	digits.	anguage consists of binary	Assembly language follows a syntax similar to the English language.			
	the platform	guage varies depending on	Assembly language consists of a standard set of instructions.			
	Machine lang	uage is machine code.	Assembly language is using for microprocessor-based, real-time systems.			
		(1 Mark for each difference)				
Q.5		mming? Explain algorithm a				
Ans:	called SOFT computer to computer is called software in the called software is called software in the called software in the called software is called software in the	am or set of programs in a computer that helps in processing the information is DFTWARE. Software is a detailed writing of stepwise instructions for the to carry out the particular task efficiently and properly. The art of writing is called programming. Software is an essential part of a computer. Without				
	Algorithm:	e the computer will neither accept information nor give the desired result. (2 marks for description) (1 Mark)				
	• A step • The es	A step-by-step procedure to solve the given problem is known as Algorithm. The essential properties of Algorithm are: It should be simple It should be clear with no ambiguity				
	It should lead to a unique solution of the problem. It should involve a finite number of steps to arrive at a solution. It should have the capability to handle some-unexpected situations. For example if a student wants to purchase a pen, he has to follow the following					
7	• These					
	The flow cFlow cEach s	The graphical or visual representation of algorithm is called as flow chart. The flow charts are easier to understand the flow of the solution. Flow charts are drawn with the standard symbols accepted worldwide. Each standard flow chart symbol represents on action to be performed such as Start or Stop, input operations Read or Write, decision making etc.				
Q.6	What is operat	rating system. Explain the functions of operating system.				
Ans:	An operating	ating system is a set of programs that helps in controlling and managing the and the software resources of a computer system. As the name suggests, the				
	internal and the softman resources of a computer system his the name subsects, and					

operating system is used for operating the system or the computer. It is a set of computer programs and also known as DOS (Disk Operating System). DOS was the first operating system introduced by Microsoft. (I mark) Functions of an Operating System: (1/2 mark for each function) Memory Management Processor Management Device Management . File Management Security · Control over system performance · Job accounting · Error detecting aids · Coordination between other software and users What are the different important features of word processing software? Q.7 Ans: (1/2 marks for each feature) Word wrap: automatic arrangement of text in lines of specified length without the necessity of touching the return key. Justification: automatic alignment of text to both the left and right margins. Adjustment: realignment of text to new margin and tab settings. Alignment: positioning text or numbers to specified margin and tab settings. Insertion: the entry of new text within previously typed material without crasing the existing material. Deletion: erasure of text from the screen, or of whole documents from the disk. Search and Replace: moving directly to specified words or parts of words within a document and replacing them with different words or word portions. Copying or Cutting: the duplication or moving of blocks of text within a document. Pagination: automatic division of a document into pages of specified numbers of lines. Page Numbering: automatic sequential numbering of pages. · Headers and Footers: option of creating standard blocks of text that will automatically appear at the top or bottom of each page in a dodument. Footnoting: automatic sequential numbering of footnotes and positioning of the footnotes at the bottom of their appropriate pages during pagination. Table of Contents and Index Generators. Programs that create these based on the text of a document. . Automatic Spelling Checker and Corrector. Program that dompares words in the text against an on-line dictionary, flagging items not found in the dictionary and offering alternative spellings and a means of correcting the errors. What is communication process? Enlist the importance of communication. Q.8. Communication is the process by which two or more people exchange ideas, facts, Ans: feelings or impressions in ways that each gains a common understanding of the meaning, intent and use of messages. The term 'communication' stems from the Latin word 'communis'-meaning' 'common'. Communication, then, is a conscious attempt to share information, ideas, attitudes and the like with others. Good communication does not consist merely of giving orders, but of creating understanding. It does not consist merely of imparting knowledge, but of helping people gain a clear view of the meaning of knowledge. Most of the progress in the future will

stem from better technolo	gy and greater skill in communicating it to others. Too many
I morale south the surena	things at the wrong time in the wrong way, to the wrong
. I manula cloude down progr	ese What is needed is more people saying the light times at
the right time, in the rig	ht way to the right people. This is the formula for good
communication.	(Z IVIAI KS)
Importance of Communic	eation (1/2 mark each)
1. Communication est	ablishes a favourable climate in which development can take
place	
2. Communication has	multiplier effect
3 Communication vari	es the aspirations of the people
4 Communication is es	ssential for all human activities
5 Communication is es	sential for good leadership
Q.9 What is Aud o Visual aids?	Enlist the advantages of Audio Visual aids.
Ans: Audio visualiaid is a device	that assists the instructor to transmit to a learner facts, skills,
attitudes knowledge under	standing and perception. Visual aid is any instructional
device through which mes	sage can be seen but not heard. An audio aid is any
instructional Hevice through	which a message can be heard but not seen. Audio visual
ilistructional devices	through which a massace can be beard as well as seen
	e through which a message can be heard as well as seen.
Advantages	(2 marks explaination; 1/2 marks for each advantage)
Helps to convey meaning clea	arly.
Helps to supplement the spoke	en word.
Helps to present subject in cor	ndensed form.
Helps to present subject in und	derstandable form.
Q.10 Write down the common appli	
Ans:	(1/2 mark for each application)
Communication	
1	
Research	
Education	
Financial transaction	
Real time update	
l de	V
Leisure	
Online booking	
Blogging	*
Job search	•
Shopping	
Shopping	
S	ECTION 'B'
Match the pairs	
(A)	Answer
1 1024 MB	One Gigabyte

Ma	tch the pa	ins	
	'A		Answer
1	1024 N		One Gigabyte
2	WAN		Wide area network
3	Recycle	Bin	Used to store deleted files in windows
4	Undo	-	Ctrl + Z

Q.12	Spell out the abbreviations	
	WAN: Wide area network	
-	HTML: Hypertext Markup Language	
	LAN: Local Area Network	
	RAM: Random Access Memory	

5