

UNIVERSITY OF MUMBAI
MCQ QUESTION BANK

Course Code and Name: CSC801 Human Machine Interaction	Name of Teacher:
Class: BE Computer Engineering	Institute :
Semester: SEM VIII (R2016)	Contact hours assigned to this module:

Hard	25%
Medium	25%
Easy	50%

Module	Weightage in Hrs	Q NO	QUESTION (2 marks per question)	OPTIONS				Correct Answer	Level of question (E/M/H)
				A	B	C	D		
1		1	Which of the following devices are mainly responsible for the user interface?	Input and output devices	Memory devices	Processor	CD/DVD drive	A	M
		2	Which of the following statement is true in case of Perception of Colour	8% males and 1% females are color blind	1% males and 8% females are	Humans can not be color	Color blindness is more	A	M
		3	What does HMI stand for?	Human Machine Interface	Human Machine Interaction	Human Machine Implemen	Human Machine Industry	B	E
		4	Which one of these is a good reason for taking care to design a good computer human interface?	Not every user is a computer expert	Well designed UIs allow the software to be sold at a	Well designed UIs allow the software	Well designed UIs allow the computer to	A	M
		5	Which of the following is concerned primarily with understanding human behavior and the mental processes that underlie it?	Psychology	Sociology	Statistics	Computer Science	A	E
		6	Conventional wisdom says that _____ tell the user when he has made some mistake	Program crash	System stuck	Error messages	Metadata	C	E
		7	_____ involves watching and listening to users	Observation	Evaluation	Qualitative research	Interaction	A	E
		8	Which of the following requires less cognitive effort than others?	Listening	Speaking	Hearing	Writing	A	E
		9	Natural Language User Interface can accept input in the form of	String Command	Speech	Image	Text	B	M
		10	In the 1950s Miller indicated that memory limit is ----- “chunks” of information.	7 ± 2	7 ± 3	7 ± 4	7 ± 4	A	H
		11	Short-term memory is called as	short duration memory	working memory	less memory	low memory	B	E

12	What is Sensory Storage?	storage of senses	store of information	buffer where the automatic processing of information	buffer to store excess information	C	H
13	The capacity of the eye to resolve details is called -----	eye sight	visual acuity	vision	perception	B	E
14	The size of a chunk of information a person can hold in short-term memory depends on _____	Their familiarity with the material (knowledge and experience).	Their long-term memory	Their natural cognitive abilities	Their age and gender.	A	M
15	_____ is a text entry device.	Mouse	Joystick	Keyboard	Trackball	C	S
16	_____ is a not a pointing device.	Pointer	Mouse	Trackball	Light Pen	A	S

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		1	In a heuristic evaluation _____	A group of usability expert judges an interface with a detailed checklist of guidelines	A group of test users conducts a formal experiment	A group of psychologists administers a questionnaire	A group of usability experts reviews a user interface according to	B	H
		2	Are we building the system right?	Verification	Validation	Inspection	Walk	A	E
		3	Are we building the right system?	technical review	Validation	Verification	Walk	B	E
		4	How many principle in universal design?	Six	Seven	Eight	Ten	B	E
		5	The cognitive walkthrough mainly evaluates a product's _____	utility	efficiency.	learnability.	likeability.	C	M
		6	What is the fifth step in defining the requirements with respect to persona-based design?	Brainstorming	Identifying persona expectations	Constructing the context	Identifying needs	D	H
		7	The system should speak the users' language, with words, phrases and concepts familiar to the user, rather than system oriented terms.	Aesthetics and minimalist design	Visibility of system status	Match between system and the	Help and documentation	C	M

2		8	Users often choose system functions by mistake and will need a clearly marked "emergency exit" to leave the unwanted state without having to go through an extended dialogue. Support undo and	Match between system and the real world	Consistency and standards	Help and documentation	User control and freedom	D	M
		9	Error messages should be expressed in plain language (no codes), precisely indicate the problem, and constructively suggest a solution.	Visibility of system status	User control and freedom	Error prevention	Help users recognize, diagnose, and recover from errors	D	M
		10	Dialogues should not contain information which is irrelevant or rarely needed. Every extra unit of information in a dialogue competes with the relevant units of information and diminishes their relative visibility.	Aesthetics and minimalist design	Help users recognize, diagnose, and recover from errors.	Help and documentation	Match between system and the real world	A	H
		11	Which of the following is not a user interface design process?	User, task, and environment analysis and modeling	Interface design	Knowledgeable, frequent users	Interface validation	C	M
		12	Engineering a user interface involves a quantitative engineering style of working in which measurements are used to judge the quality of interface. Hence _____ is appropriate	Usability testing	Field study	Predictive evaluation	DECIDE framework	A	H
		13	User personas that are not primary or secondary are _____ personas	Supplemental	Served	Negative	Customer	A	H
		14	_____ frequent your primary personas access the site, _____ transient a stance the site needs to take (respectively)	More, Less	Less, more	Less, less	More. more	B	H
		15	Waterfall model is basically a _____ model in which each step must be completed before the next step can be started	Incremental	Linear	Iterative	Analytical	B	M
		16	_____ capture the non-verbal dialogue between artifact and user over time	Persona	Scenario	Dialogue	Design model	B	M
		17	Design phase is followed by _____	Coding	Testing	Maintena	Prototyping	A	E
		18	Identify from among the following the attribute of usability.	Learnability	Usefulness	Generalizability	Subjective satisfaction	A	M
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3	1	_____ Permit easy personalization, configuration, and reconfiguration of settings.	Configurability	Comprehensibility	Consistency	Clarity	A	H
	2	Interface Toolkits for Android mobile framework is _____	JavaFX	iPhone SDK	Android	Mojo SDK	C	E
	3	Effective visualizations can not facilitate _____	increased productivity	mental insights	understanding the	correct use of data	C	M
	4	When system respond to the user's requests immediately and Provide acknowledgment for all user actions it is called as _____	Simplicity	Responsiveness	Efficiency	Transparency	B	M
	5	An _____ is the objects in a graphic or pictorial form	Cascading menu	Pop-up menu	Tear off menu	Iconic menu	D	E
	6	Visualization is a _____ process that allows people to understand interaction.	intelligence	cognitive	comprehension	apprehension	B	M
	7	In Consistency Similar components should _____	change the function	Have a similar look	Have similar	Operate similarly	A	H
	8	_____ is not like other pages; it has different burdens to bear, different promises to keep	Homepage	Form	Navigation bar	Sections	A	E
	9	GUI is a _____	hardware	language interpreter	software interface	operating system	C	M
	10	Which one is the basic input device in GUI?	Touch panel	Mouse	Voice	Graphics	B	E
	11	A user interface is a collection of _____ to interact with something.	procedures	techniques	instructions	methods	B	E
	12	What is it called when a program is written to respond to the button clicks, menu selections, and other actions of the user in whatever order the user does them?	Event-driven programming.	Action-driven programming.	User-driven programming.	Mouse-driven programming.	A	M
	13	An _____ is a graphical representation of a program or file that, when clicked on, will be run or opened	Text	Icon	Message	Color	B	E
	14	Which of the following is not a type of user interface?	Command language based	Efficiency based	Menu based	Direct manipulation based	B	M
	15	Which of the following is not a characteristic of direct manipulation interfaces?	Visibility of the objects and actions of interest.	Rapid, reversible, incremental actions	Menu selection and form fill-in	Replacement of typed commands by a pointing	C	H
	16	Making interface visually, conceptually, and linguistically clear is called as _____	Compatibility	Consistency	Comprehensibility	Clarity	D	M

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4		1	Layouts of a Web page may either be -----	Potrait	frozen	landscape	flowing	B	H
		2	----- are an exception to Components of a Statistical Graphic.	Pie Charts	Bar Graphs	Line Graphs	Histograms	A	H
		3	----- are primarily incorporated to create a common identity	Captions	Titles	Headings	Labels	C	E
		4	----- involves seeking specific answers to specific questions or needs	Information gathering	Information finding	Information retrieval	Information scanning	B	E
		5	Usually because of security reasons, a page may be designed to “-----” automatically.	exit	end	close	time out	D	E
		6	A slider box is sometimes called -----	container	scroll area	handle	box	C	H
		7	----- is a standardized rectangular frame that surrounds a control or group of controls	Control box	Group box	Cluster	Header control	B	E
		8	The degree of physical activity or effort necessary to perform a task or achieve an objective.	Implicit load	Kinematic load	Cognitive load	Dynamic load	B	H
		9	Which of the following interface design principles does not allow the user to remain in control of the interaction with a computer?	allow interaction to be interruptible	allow interaction to be undoable	hide technical internals	only provide one rigidly define	D	H
		10	A software might allow a user to interact via	design model	user’s model	mental image	system image	B	H
		11	Perceptual characteristics does not include -----	proximity	security	similarity	continuty	B	M
		12	When designing time-critical tasks, minimize errors and reduce human response times by doing the following:	Proper validation	Provide alert using dialog boxes	Minimize the number of	Provide minimum data to user	C	M

13	Scrolling menus are _____.	An attempt to replace menus and toolbars with one-inch tabs	A type of menu that displays all of the menu	A type of menu that displays the first	Another name for adaptive menus	C	M
14	An alphalider allows users to _____	Reduce the number of required cursor movements	Customize menu views and operations	Select one item from a large number of categorical items	View menu items in context	C	E
15	Which of the following is not a guideline for good form fill-in design?	Group and sequence of fields logically	Make sure that required fields are clearly	Allow users to enter any value in a	Give immediate feedback about errors	C	E
16	Habitability of a user interface refers to _____.	Designs that relieve users from learning new syntactic rules.	How easy it is for users to determine what objects and actions are	How quickly users become comfortable with an	Limiting the number of commands and ways of accomplishing a task.	B	M
17	Which of the following is not a beneficial attribute of well-designed systems that use direct manipulation?	Novices can learn basic functionality quickly	Experts can work rapidly to carry out a wide range of tasks	Knowledgeable intermittent users can retain	User actions are permanent and cannot easily be	D	E

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5		1	Among all....run by themselves	Application framework	os	MOBILE WEB WIDGET	website	C	M
		2	The vast majority of mobile device screens share the same orientation	vertical or Portrait	Horizontal	vertical and Horizontal	Horizontal or portrait	A	M

3	They need to be executed on top of something else	Platforms	os	MOBILE WEB WIDGET	website	C	M
4	The type of radio and antenna determines the capability of the and the services you can enable on it.	Operating system	operator	Application framework	Network	D	E
5	Limo is _____	licensed Platforms	open source platform	OS	website	A	H
6	Web Runtimes is an _____	os	Application framework	MOBILE WEB WIDGET	website	B	H
7	To create applications, such as a game, a web browser, a camera, or media player. Which of the following option is applicable?	Application framework	OS	MOBILE WEB WIDGET	website	A	H
8	General representation of red color could be _____	innocence	Calm	dullness	anger	D	E
9	The operator's role in the ecosystem _____	is to create and maintain a specific set of wireless services over a reliable cellular network	is to only create a specific set of wireless services over a reliable cellular network	is to only maintain a specific set of wireless services over a reliable	decide Corporate norms for service	A	E
10	They often maintain relationships with the subscribers	Aggregator	Networks	Platforms	Operator	D	E
11	Common mobile OS is	Java	BREW	Flash Lite	Symbian	D	E

12	Which can not be a type of Mobile Applications	SMS	Games	Mobile Web Widgets	BREW	D	M
13	Cons of MOBILE WEB WIDGETS could be ...	They can be simple to deploy across multiple handsets.	They are easy to create, using basic HTML, CSS, and JavaScript knowledge	They typically require a compatible platform	They offer an improved user experience and a richer design, tapping into device	C	M
14	The words used to describe information spaces; the labels or triggers used to tell the users what something is and to establish the expectation of	Interaction design	Information design	Interface design	Navigation design	D	H
15	Clickstream is _____	showing the behavior on websites, displaying the order in which users travel through a site's information architecture,	show how our content is organized in our informational space;	shaping information products and experiences to support usability and	a standalone chunk of HTML-based code that is executed by the end user in a particular	A	H
16	They can be referred to as MNOs	Operator	Aggregator	Networks	Operating System	A	E

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6		1	A light sensitive device that converts drawing, printed text or other images into digital form is	Printer	Plotter	Scanner	OMR	C	E
		2	What type devices are computer speakers or headphones?	Input	Input/Output	software	Output	D	M

3	A joystick is primarily used to/for _____	control sound on the screen	computer gaming	enter text	draw pictures	B	E
4	A bar code reader is an example of _____	Processing device	input device	output device	storage device	B	E
5	Which of the following is not a type of user interface	Command line Interface	design interface	Graphical user Interface	Web User Interface	B	E
6	Menu is collection of _____	commands	instructions	icons	orders	A	M
7	_____ box provides a set of choices to the user.	List	Text	Combo	Command	A	M
8	This kind of message is usually identified by an "I" icon to the left of the message.	Informational messages	System messages	Status messages	Warning messages	A	E
9	Which of the following is not a presentation style of Window	Cascading Windows	Overlapping Windows	Tiled Windows	Primary Window	D	E
10	Currently many common environments for interactive computing are examples of the _____ interface style, often simply called windowing systems.	Three-dimensional	WIMP	Point and Click	Command Line	B	M
11	Using icons on the desktop to represent operations is a type of _____ constraint.	Physical	Logical	Cultural	Physical and logical	C	M
12	Which of the following is keyboard accelerator	Alt+F	Alt+V	Ctrl+X	x	C	M
13	In menu Window indicator is shown by _____	v	...	>	>>	B	H
14	Which of the following control can not used as Mutually Exclusive control	Drop down	Check box	List	Radio Button	B	E

	15	Conventional wisdom says that.....tell the user when he has made some mistake	program crash	metadata	error messages	system stuck	C	M
	16	Which of the fillowing is not true when reffering to icons?	Mapping an icon to an object is relatively easy	Icons are small pictorial	Icons may stand alone on a	always used in group	D	H
	17	_____ is selection based control	Tool tip	Text box	Radio Button	Command Button	C	M