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CHAPTER 17

INFORMATION AND COMMUNICATION TECHNOLOGY

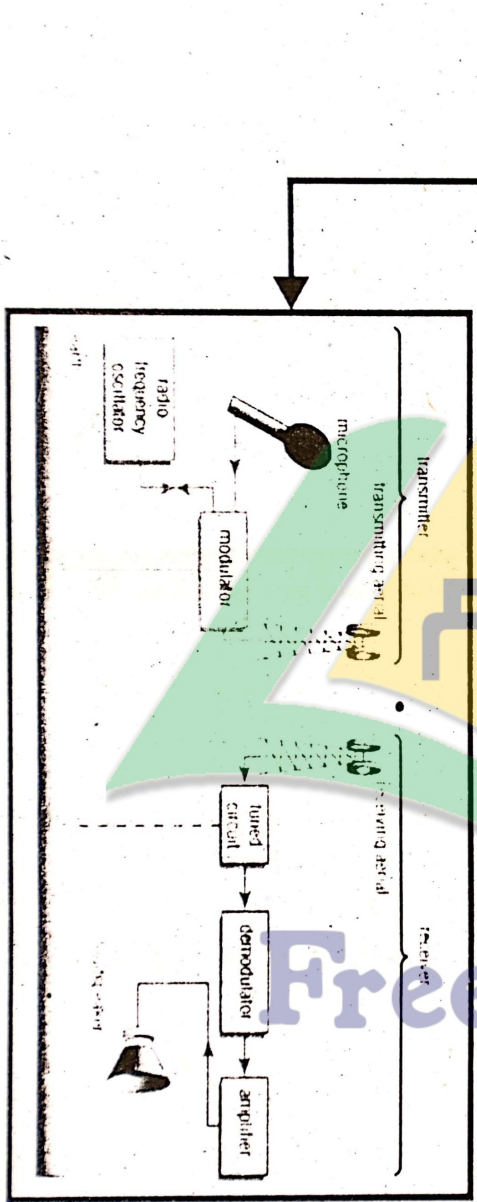
CONCEPT MAP

INFORMATION AND COMMUNICATION TECHNOLOGY

- Transmission**
- Through wire
 - Through Radiowave
 - Through optical fibre

- Information storage devices**
- Primary storage devices (RAM)
 - Secondary storage devices
 - (i) Audio and video cassettes
 - (ii) Magnetic disc
 - (iii) Hard disc
 - (iv) Compact disc
 - (v) Flash drive

- Application of computer**
- Word processing
 - Data management
 - Internet
 - Internet device
 - E-mail





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MULTIPLE CHOICE QUESTIONS

17.1 and 17.2 Information and Communication Technology, Component of Computer Based Information

- (1) Which source has shortened the distances and has brought in contact the whole world?
(a) Telephone (b) Mobile phone (c) Fax machine (d) all given
- (2) In computer terminology, processed data is called
(a) Output (b) Information (c) Input (d) Procedure
- (3) Which is basically an electronic based system of information transmission, reception, processing and retrieval?
(a) ICT (b) IDT or OR (c) CRO (d) ADC or DAC
- (4) The method used to communicate information to far off places instantly is called
(a) Telecommunication (b) Information (c) Transfer of data (d) Production
- (5) The term refers to machinery in computer terminology is
(a) Software (b) Hardware (c) Data (d) Procedures
- (6) Supports equipments of hardware are
(a) Storage devices (b) Out put devices (c) Communication devices (d) All given
- (7) Which refers to computer programs and the manuals that support them?
(a) Software (b) Hardware (c) Data (d) Information
- (8) Which are facts that are used by programs to produce useful information?
(a) Data (b) Software (c) Hardware (d) Programs
- (9) Which technology is used in mobile phone?
(a) Computer (b) Internet (c) Radio (d) Fax machine
- (10) Which technology is used in videophone?
(a) 2G (b) 3G (c) 5G (d) None

17.3 and 17.4 Flow of Information and Transmission of Electrical signal through wire

- (11) The transfer of information from one place to another through different electronic and optical equipment is
(a) Flow of information (b) Information storage
(c) Information collection (d) Cheque information
- (12) In telephone, information is sent in the form of signals through
(a) Wires (b) Plastic (c) Spring (d) Threads
- (13) The essential part of any communication system is
(a) Transmitter (b) Transmission channel (c) Receiver (d) All given
- (14) Alexander Graham Bell in 1876 made a :
(a) Machine (b) Computer (c) Telephone (d) Cell
- (15) Telephones sent voice in the form of
(a) Waves (b) Electrical signals (c) Mechanical signals (d) Magnetic signals
- (16) Who design and operate the software and feed input data, build the hardware for the smooth running of any CBIS?
(a) Software (b) Hardware (c) People (d) Data
- (17) Major Components of CBIS are?
(a) 2 (b) 3 (c) 5 (d) 7



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- (18) Cell phone transmission are made with _____
 (a) Microwaves (b) Radio waves (c) Visible waves (d) All
- (19) The most important of hardware of computer system is?
 (a) Monitor (b) CPU (c) Hard Disk (d) Processor
- (20) The mouthpiece of telephone contains thin metal diaphragm and granules of
 (a) Carbon (b) Aluminium (c) Sulphur (d) Copper
- (21) The speed of sound in air is
 (a) 1850 km per hour (b) 1200km per hour (c) 1550km per hour (d) 1246km per hour

17.5 Transmission of Radio Waves through space

17.6 Transmission of Light Signal through optical fiber

- (22) Information in the form of audio frequency (AF) signals may be transmitted directly by
 (a) Wire (b) Computer (c) Cable (d) TV
- (23) For sending information over a long distance it has to be superimposed on;
 (a) Mechanical waves (b) Electromagnetic waves (c) Sound waves (d) Kinetic waves
- (24) At the radio station, sound waves produced are changed into electrical signals through
 (a) Microphone (b) Modem (c) Speaker (d) Head phone
- (25) Which device basically scans a page to convert its text and graphic into electronics signal and transmit it?
 (a) Cell phone (b) Photo phone (c) Fax machine (d) Text machine
- (26) Cell phone is a type of _____ having two way communication:
 (a) T.V (b) Computer (c) Radio (d) Microwave oven
- (27) Cell phone sends and receives the message in the form of
 (a) Electronic waves (b) Radio waves (c) Mechanical waves (d) Magnetic waves
- (28) Cell phone network system consists of
 (a) Base stations (b) Mobile switching center (c) Cells (d) All given
- (29) Which is an electronic computing machine used for adding, subtracting and multiplying?
 (a) Mobile (b) Computer (c) Cell phone (d) Photo phone
- (30) The most important piece of hardware is
 (a) Monitor (b) Keyboard (c) Printer (d) CPU
- (31) Microprocessor is tiny rectangular chip present in
 (a) CPU (b) Monitor (c) Printer (d) Keyboard
- (32) Which refers to the instructions or programs?
 (a) Hardware (b) Software (c) Monitor (d) Keyboard
- (33) Which are more compact and portable
 (a) Desktop (b) Computers (c) Laptops (d) All of these

17.7 Information Storage Devices

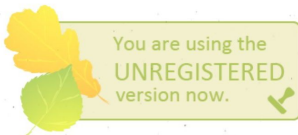
- (34) Which statement is incorrect for primary memory?
 (a) It consists of integrated circuit
 (b) It vanishes when computer is switched off
 (c) Read only memory
 (d) Random access memory
- (35) Which statement is correct about secondary memory?
 (a) Data storage devices are secondary memory
 (b) Store data permanently in computer
 (c) Audio-video cassettes are secondary storage devices
 (d) All given are true





- (36) Which is small magnetically sensitive, flexible, plastic wafer housed in plastic case?
 (a) Floppy (b) Cassette (c) Video-disk (d) Audio disk
- (37) Floppy is coated with
 (a) Magnetic oxide (b) Sulphuric oxide (c) Potassium oxide (d) Silver oxide
- (38) Which is rigid, magnetically sensitive disk that spins rapidly and continuously inside the computer chassis?
 (a) Floppy (b) Hard disk (c) Cassette (d) Compact disk
- (39) A typical floppy has a storage capacity between
 (a) 1 and 3 MB (b) 2 and 4MB (c) 3 and 5MB (d) 6
- (40) A CD can store computer data
 (a) 680 megabyte (b) 660 megabyte (c) 620 megabyte (d) 610 megabyte
- (41) Which is small storage device that can be used to transport files from one computer to another?
 (a) Compact disk (b) Hard disk (c) Flash drive (d) Floppy disk
- (42) Use of computer through which we can write a letter, article, book or prepare a report, is called;
 (a) Word processing (b) Internet (c) Data management (d) Browser
- (43) Which function allows users to view web pages?
 (a) Web-browsing (b) E-mail (c) E-commerce (d) All given
- (44) The advantage of e-mail is
 (a) Fast communication (b) Fast free service (c) Simple to use (d) All given
- (45) 1024 bytes are equal to _____
 (a) 1Mb (b) 1kB (c) 1GB (d) 1mB
- (46) 1GB is equal to _____
 (a) 1024 bytes (b) 1024 kilobytes (c) 1024 mega bytes (d) None
- (47) 1MB equal to _____
 (a) 1024 bytes (b) 1024 kilobytes (c) 1024 mega bytes (d) All
- (48) Which one is short-term storage devices?
 (a) Hard Disk (b) Floppy Disk (c) Magnetic Disk (d)
- (49) The areas between pits are called?
 (a) Panel (b) Spiral (c) Lands (d) Flate
- (50) Which device is slightly larger than a gum-stick?
 (a) CD (b) Floppy Disk (c) Flash Drive (d) Hard disk
- (51) Internet is a global web of more than one million nets in which more than _____ computers are operating?
 (a) 50 million (b) 20 million (c) 10 billion (d) 20 billion
- (52) Which one is an example of browsers?
 (a) Opera (b) Motor (c) Pipette (d) Gyroscope
- (53) The most common form of crime in internet using is?
 (a) Over use (b) Theft (c) Hacking (d) None
- (54) Which of the following are electromagnetic waves?
 (a) Radio waves (b) Compress ional waves
 (c) Sound waves (d) None





- (55) What is floppy disk made of?
 (a) Nonmetal (b) Metal (c) Soft Plastic (d) None of these
- (56) Storage devices work on what principle?
 (a) Heat (b) Electricity (c) Sound (d) Magnetism
- (57) Which waves are the radio waves?
 (a) Mechanical waves (b) Electronic waves
 (c) Electromagnetic waves (d) None of these
- (58) Who invent radio?
 (a) Graham bell (b) Newton (c) Marconi (d) Faraday
- (59) Who transmitted the first radio signal in the air?
 (a) Graham bell (b) Newton (c) Marconi (d) Faraday
- (60) The process to draw the required line or pictures on a computer screen using mouse or key board is called
 (a) Graphic designing (b) Line designing (c) Data designing (d) Picture designing
- (61) To collect information for a special purpose and to store it in the computer in more than one interlinked files is called
 (a) Data base (b) Data Storing (c) Data managing (d) Data processing
- (62) A program which helps to create written document and lets you go back and make corrections as necessary
 (a) Home row keys (b) Tool bar (c) Folder (d) Word processor
- (63) What type of software is used for creating letters, papers and other documents?
 (a) Database (b) Word Processor (c) Spread sheet (d) Operating Program

ANSWER KEY

Q.	Ans	Q.	Ans	Q.	Ans	Q.	Ans	Q.	Ans	Q.	Ans	Q.	Ans
1	d	11	a	21	d	31	a	41	d	51	a	61	c
2	b	12	a	22	c	32	b	42	a	52	a	62	d
3	a	13	d	23	b	33	c	43	a	53	b	63	b
4	a	14	c	24	a	34	b	44	d	54	a		
5	b	15	b	25	c	35	d	45	b	55	c		
6	d	16	c	26	c	36	a	46	c	56	d		
7	a	17	c	27	b	37	a	47	a	57	c		
8	a	18	d	28	d	38	a	48	b	58	c		
9	c	19	b	29	b	39	c	49	c	59	c		
10	b	20	a	30	b	40	a	50	c	60	a		