

S. NO	UNIT	QUESTION				
1	1	<p>Electronics deals with the study of</p> <table border="1"> <tr> <td>A. Electron flow</td> <td>B. Electron Devices &amp; Circuits</td> </tr> <tr> <td>C. Electronic Material Science</td> <td>D. All the above</td> </tr> </table> <p>Answer is : D</p>	A. Electron flow	B. Electron Devices & Circuits	C. Electronic Material Science	D. All the above
A. Electron flow	B. Electron Devices & Circuits					
C. Electronic Material Science	D. All the above					
2	1	<p>Current is due to the flow of _____</p> <table border="1"> <tr> <td>A. Proton</td> <td>B. Neutron</td> </tr> <tr> <td>C. Electron</td> <td>D. Nucleus</td> </tr> </table> <p>Answer is : C</p>	A. Proton	B. Neutron	C. Electron	D. Nucleus
A. Proton	B. Neutron					
C. Electron	D. Nucleus					
3	1	<p>Reciprocal of resistance is _____</p> <table border="1"> <tr> <td>A. Conductance</td> <td>B. Inductance</td> </tr> <tr> <td>C. Admittance</td> <td>D. Capacitance</td> </tr> </table> <p>Answer is : A</p>	A. Conductance	B. Inductance	C. Admittance	D. Capacitance
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4	1	<p>Coloumb is a unit of</p> <table border="1"> <tr> <td>A. Electric charge</td> <td>B. Potential Difference</td> </tr> <tr> <td>C. Current</td> <td>D. Voltage</td> </tr> </table> <p>Answer is : A</p>	A. Electric charge	B. Potential Difference	C. Current	D. Voltage
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5	1	<p>The unit of potential difference is</p> <table border="1"> <tr> <td>A. Volts</td> <td>B. Watts</td> </tr> <tr> <td>C. Amperes</td> <td>D. Ohms</td> </tr> </table> <p>Answer is : A</p>	A. Volts	B. Watts	C. Amperes	D. Ohms
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6	1	<p>The unit of Electric current is</p> <table border="1"> <tr> <td>A. Volts</td> <td>B. Watts</td> </tr> <tr> <td>C. Amperes</td> <td>D. Ohms</td> </tr> </table> <p>Answer is : C</p>	A. Volts	B. Watts	C. Amperes	D. Ohms
A. Volts	B. Watts					
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7	1	In a circuit the opposition to the flow of current is called as	
		A. Conductance	B. Inductance
		C. Admittance	D. Resistance
		Answer is : D	
8	1	The charge of an electron is	
		A. $1.6 \times 10^{-19}$	B. $1.6 \times 10^{19}$
		C. $1.6 \times 10^{18}$	D. $1.6 \times 10^{-18}$
		Answer is : A	
9	1	The unit of resistance is	
		A. Volts	B. Watts
		C. Amperes	D. Ohms
		Answer is : D	
10	1	Which of the following statements is true?	
		A. Like charges repel each other	B. Unlike charges attract each other
		C. Like charges attract each other	D. Both (A) & (B)
		Answer is : D	
11	1	Which out of the following is known as a central core of an atom?	
		A. Electron	B. Proton
		C. Neutron	D. Nucleus
		Answer is : D	
12	1	.Resistance and conductance are related by a relation	
		A. $R=1/G$	B. $R=G^2$
		C. $R=IG$	D. $R=VG$
		Answer is : A	

13	1	Resistance ( R ) according to Ohm's law is given as				
		<table border="1"> <tbody> <tr> <td>A. <math>R=V/I</math></td> <td>B. <math>R=I/V</math></td> </tr> <tr> <td>C. <math>R=VI</math></td> <td>D. <math>R=V^2I</math></td> </tr> </tbody> </table>	A. $R=V/I$	B. $R=I/V$	C. $R=VI$	D. $R=V^2I$
A. $R=V/I$	B. $R=I/V$					
C. $R=VI$	D. $R=V^2I$					
		<b>Answer is : A</b>				
14	1	The unit of power is				
		<table border="1"> <tbody> <tr> <td>A. Volts</td> <td>B. Watts</td> </tr> <tr> <td>C. Amperes</td> <td>D. Ohms</td> </tr> </tbody> </table>	A. Volts	B. Watts	C. Amperes	D. Ohms
A. Volts	B. Watts					
C. Amperes	D. Ohms					
		<b>Answer is : B</b>				
15	1	Which out of the following is a passive component?				
		<table border="1"> <tbody> <tr> <td>A. Capacitor</td> <td>B. Resistor</td> </tr> <tr> <td>C. Inductor</td> <td>D. All the above</td> </tr> </tbody> </table>	A. Capacitor	B. Resistor	C. Inductor	D. All the above
A. Capacitor	B. Resistor					
C. Inductor	D. All the above					
		<b>Answer is : D</b>				
16	1	In resistors, current is directly proportional to the _____				
		<table border="1"> <tbody> <tr> <td>A. Voltage</td> <td>B. Power</td> </tr> <tr> <td>C. Resistance</td> <td>D. Charge</td> </tr> </tbody> </table>	A. Voltage	B. Power	C. Resistance	D. Charge
A. Voltage	B. Power					
C. Resistance	D. Charge					
		<b>Answer is : A</b>				
17	1	Ohm's law gives relationship between				
		<table border="1"> <tbody> <tr> <td>A. Voltage, Current, &amp; Resistance</td> <td>B. Voltage, Current &amp; Conductance</td> </tr> <tr> <td>C. Resistance, Current &amp; Inductance</td> <td>D. Resistance, Voltage &amp; Capacitance</td> </tr> </tbody> </table>	A. Voltage, Current, & Resistance	B. Voltage, Current & Conductance	C. Resistance, Current & Inductance	D. Resistance, Voltage & Capacitance
A. Voltage, Current, & Resistance	B. Voltage, Current & Conductance					
C. Resistance, Current & Inductance	D. Resistance, Voltage & Capacitance					
		<b>Answer is : A</b>				
18	1	Which theorem gives the algebraic sum of currents?				
		<table border="1"> <tbody> <tr> <td>A. Ohm's</td> <td>B. Thevenin's</td> </tr> <tr> <td>C. Kirchoff's</td> <td>D. Maxwell's</td> </tr> </tbody> </table>	A. Ohm's	B. Thevenin's	C. Kirchoff's	D. Maxwell's
A. Ohm's	B. Thevenin's					
C. Kirchoff's	D. Maxwell's					
		<b>Answer is : C</b>				

19	1	According to Kirchoff's current law, current flowing towards the junction are taken as	
		A. Negative	B. Positive
		C. Zero	D. Negative to Positive
		<b>Answer is : B</b>	
20	1	The unit of inductance is	
		A. Ohms	B. Watts
		C. Henrys	D. Farads
		<b>Answer is : C</b>	
21	1	. Electronic component used to store charge is	
		A. Resistor	B. Inductor
		C. Capacitor	D. Transistor
		<b>Answer is : C</b>	
22	1	The component which blocks the passage of DC current is	
		A. Resistor	B. Inductor
		C. Capacitor	D. Transistor
		<b>Answer is : C</b>	
23	1	PThe component used to oppose any change of voltage in a circuit is	
		A. Resistor	B. Inductor
		C. Capacitor	D. Transistor
		<b>Answer is : C</b>	
24	1	. _____ is a DC device.	
		A. Battery	B. Tube light
		C. Computer	D. TV
		<b>Answer is : A</b>	

25	1	A carbon with a tolerance of 5.1 indicated by _____ colour code	
		A. Silver	B. Gold
		C. Brown	D. Blue
		<b>Answer is : B</b>	

26	1	. _____ is a AC device.	
		A. Battery	B. Power Supply
		C. Computer	D. Cycle Dynamo
		<b>Answer is : C</b>	

27	1	The unit of capacitance is	
		A. Ohms	B. Watts
		C. Henrys	D. Farads
		<b>Answer is : D</b>	

28	1	Mutual Inductance is usually denoted by _____	
		A. L	B. R
		C. T	D. M
		<b>Answer is : D</b>	

29	1	The property which opposes the change in the value of current in a circuit is known as	
		A. Resistor	B. Inductor
		C. Capacitor	D. Transistor
		<b>Answer is : B</b>	

30	1	_____ capacitors have polarity	
		A. Mica	B. Ceramic
		C. Electrolytic	D. Paper
		<b>Answer is : C</b>	

31	1	The diameter of the scanning light spot is	
		A. 10 micrometer	B. 1 micrometer
		C. 0.1 micrometer	D. 0.5 micrometer
		<b>Answer is : B</b>	
32	1	Which television system is used in India	
		A. PAL-N	B. CCIR-B
		C. PAL-B	D. NTSC
		<b>Answer is : C</b>	
33	1	Hue control is necessary in the	
		A. PAL system	B. NTSC system
		C. SECAM system	D. none of these
		<b>Answer is : B</b>	
34	1	In the NTSC system the two colour difference signals are	
		A. transmitted in quadrature	B. Not transmitted together
		C. transmitted together	D. transmitted anti-phase
		<b>Answer is : A</b>	
35	1	. The signal essential to the operation of a balck-and-white TV is	
		A. Chrominance signal	B. luminance signal
		C. composite video signal	D. control signal
		<b>Answer is : B</b>	
36	1	The attributes of lolour are	
		A. Phase	B. Hue ,Amplitude and Saturation
		C. Brightness	D. Saturation

**Answer is : B**

37 1

What are the primary colours

- |                          |                          |
|--------------------------|--------------------------|
| A. Red, Green and Blue   | B. Red, Orange and Green |
| C. Red, Orange and Green | D. Red, Cyan and Orange  |

**Answer is : A**

38 1

The colour which the body presents to the eye is the colour of the light which it

- |             |             |
|-------------|-------------|
| A. absorbs  | B. reflects |
| C. refracts | D. directs  |

**Answer is : B**

39 1

The luminance signal associated with white of the picture should contain

- |                         |                         |
|-------------------------|-------------------------|
| A. 30% R + 59% G +11% B | B. 59% R + 11% G +30% B |
| C. 11% R + 59% G +30% B | D. 11% R + 30% G +59% B |

**Answer is : A**

40 1

The luminance signal modulation in PAL system is

- |                 |                      |
|-----------------|----------------------|
| A. FM           | B. AM (Positive)     |
| C. AM(Negative) | D. None of the these |

**Answer is : C**

41 1

Automatic correction of colour error is possible in

- |          |                  |
|----------|------------------|
| A. NTPC  | B. PAL           |
| C. SECAM | D. None of these |

**Answer is : B**

42 1

In the NTSC TV, C stands for

- |           |              |
|-----------|--------------|
| A. Colour | B. Committee |
| C. Camera | D. Code      |

**Answer is : B**

43	1	The frequency of scanning in a television set in frames per second is			
		A.	25	B.	50
		C.	525	D.	30
		Answer is : A			

44	1	In television broadcasting, video signals are produced using]			
		A.	an oscillator	B.	a microphone
		C.	) a loud speaker	D.	an iconoscope
		Answer is : D			

45	1	Computer device which detects each spot of image on a paper is			
		A.	video cam	B.	web cam
		C.	scanner	D.	printer
		Answer is : C			

46	1	. Scanner incorporates a special sort of camera which is made up of			
		A.	sensor	B.	chip
		C.	laser light	D.	charged coupled device
		Answer is : D			

47	1	<b>16-Amount of heat required to raise the temperature of one unit of substance through 1 degree is called:</b>			
		A.	C.H.U.	B.	B.T.U
		C.	Calorie	D.	Specific heat
		Answer is : D			

48	1	Set Top Box is a kind of _____ device			
		A.	Communication	B.	Information
		C.	Transmission	D.	Radiation



Answer is : B

49 1

Set Top Box is used in \_\_\_\_\_ systems

A. Cable TV

B. Satellite TV

C. Air TV

D. All the above

Answer is : D

50 1

Set Top Box was invented in the year \_\_\_\_\_

A. 2000

B. 2005

C. 2010

D. 2002

Answer is : B

51 1

\_\_\_\_\_ is a kind of Set Top Box

A. Digital Media Adapters

B. Digital Media Receivers

C. Video Game Consoles

D. All the above

Answer is : D

52 1

The heart of the Set Top Box is \_\_\_\_\_

A. RF Modulator

B. STB Decoder

C. STB Card slot

D. Power Supply

Answer is : B

53 1

The storage capacity of the flash memory used by the Set Top Box is ranging from \_\_\_\_\_ to \_\_\_\_\_

A. 8MB to 32MB

B. 2MB to 32MB

C. 8MB to 64MB

D. 4MB to 32MB

Answer is : C

54 1

The storage capacity of the RAM used by a standard Set Top Box is \_\_\_\_\_ MB

A. 8

B. 16

C. 32

D. 64

Answer is : C

55	1	Modern Set Top Boxes provide _____ Video format			
		A. S Video	B. Component video		
		C. HDMI	D. All the above		

**Answer is : D**

56	1	The main input unit of a Set Top Box is_____			
		A. TV	B. Tuner		
		C. Remote control	D. Amplifier		

**Answer is : B**

57	1	Dishwasher was invented in the year_____			
		A. 1888	B. 1898		
		C. 1988	D. 1880		

**Answer is : A**

58	1	ATM was invented by_____			
		A. John Shepard Barron	B. Donald Wetzel		
		C. Carlie Creeper	D. Mary Jonathan		

**Answer is : A**

59	2	Microphones are electroacoustic transducers which convert			
		A. Acoustic energy to electrical energy	B. Electrical energy to acoustic energy		
		C. acoustic energy to mechanical energy	D. mechanical energy to acoustic energy		

**Answer is : A**

60	2	The unit of sound pressure used for rating microphone is			
----	---	--	--	--	--

		A. Pascal	B. bar
		C. watt	D. decibal
		<b>Answer is : B</b>	
61	2	The polar diagram of a true omnidirectional microphone is	
		A. perfect circle	B. figure-of-eight
		C. cardioids	D. none of the above
		<b>Answer is : A</b>	
62	2	Moving coil microphones are	
		A. Active Transducer	B. Unidirectional
		C. both (a) and (b)	D. neither (a) nor (b)
		<b>Answer is : A</b>	
63	2	The natural impedance of a ribbon microphone is	
		A. very low	B. low
		C. high	D. very high
		<b>Answer is : A</b>	
64	2	A loud speaker converts	
		A. Electrical energy to mechanical energy	B. Acoustic energy to electrical energy
		C. mechanical energy to electrical energy	D. electrical energy to acoustic energy
		<b>Answer is : D</b>	
65	2	The input impedance of a crustal loud speaker is	
		A. resistive	B. inductive
		C. capacitive	D. a combination of (A) and (b)
		<b>Answer is : C</b>	
66	2	Electrostatic speaker need a	
		A. dc polarizing voltage	B. ac polarizing voltage

		C. either (a) or (b)	D. neither (a) nor (b)
		<b>Answer is : A</b>	
67	2	High quality dynamic speakers are diaphragms composed of	
		A. Paper	B. titanium
		C. aluminium	D. a, b and c
		<b>Answer is : D</b>	
68	2	Woofers are speakers designed to reproduce	
		A. bass	B. treble
		C. mid frequencies	D. both (a) and (c)
		<b>Answer is : A</b>	
69	2	Moving iron head phones work on the principle of	
		A. magnetic attraction	B. magnetic repulsion
		C. both a and b	D. none of the above
		<b>Answer is : A</b>	
70	2	Moving iron head phones suffer from	
		A. natural resonance	B. high harmonic distortion
		C. non-linear distortion	D. none of these
		<b>Answer is : A</b>	
71	2	Which one of the following suffers from high harmonic distortion	
		A. moving iron headphones	B. moving coil headphones
		C. electrostatic headphones	D. crystal headphones
		<b>Answer is : A</b>	
72	2	Which one of the following headphones needs polarising voltage	
		A. moving coil	B. electrostatic

		C. moving iron	D. crystal
		<b>Answer is : A</b>	
73	2	Electret electrostatic headphones are permanently	
		A. polarized	B. un polarized
		C. vertically polarized	D. Horizontally polarized
		<b>Answer is : A</b>	
74	2	The density of information on a compact disc is	
		A. small	B. very small
		C. high	D. very high
		<b>Answer is : D</b>	
75	2	The diameter of the scanning light spot is	
		A. 10 micrometer	B. 1 micrometer
		C. 0.1 micrometer	D. 0.5 micrometer
		<b>Answer is : B</b>	
76	2	Which television system is used in India	
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Answer is : A

79 2

The signal essential to the operation of a black-and-white TV is

- |                           |                     |
|---------------------------|---------------------|
| A. Chrominance signal     | B. luminance signal |
| C. composite video signal | D. control signal   |

Answer is : B

80 2

The attributes of Colour are

- |               |                                  |
|---------------|----------------------------------|
| A. Phase      | B. Hue ,Amplitude and Saturation |
| C. Brightness | D. Saturation                    |

Answer is : B

81 2

What are the primary colours

- |                         |                          |
|-------------------------|--------------------------|
| A. Red, Green and Blue  | B. Red, Orange and Green |
| C. Green, Blue and Cyan | D. Red, Cyan and Orange  |

Answer is : A

82 2

The colour which the body presents to the eye is the colour of the light which it

- |             |             |
|-------------|-------------|
| A. absorbs  | B. reflects |
| C. refracts | D. directs  |

Answer is : B

83 2

Moving iron head phones work on the principle of

- |                        |                       |
|------------------------|-----------------------|
| A. magnetic attraction | B. magnetic repulsion |
| C. both a and b        | D. none of the above  |

Answer is : A

84 2

Moving iron head phones suffer from

- |                          |                             |
|--------------------------|-----------------------------|
| A. natural resonance     | B. high harmonic distortion |
| C. non-linear distortion | D. none of these            |

Answer is : A

85	2	Which one of the following suffers from high harmonic distortion			
		A. moving iron headphones		B. moving coil headphones	
		C. electrostatic headphones		D. crystal headphones	

Answer is : A

86	2	Which one of the following headphones needs polarising voltage			
		A. moving coil		B. electrostatic	
		C. moving iron		D. crystal	

Answer is : A

87	2	Electret electrostatic headphones are permanently			
		A. polarized		B. un polarized	
		C. vertically polarized		D. Horizontally polarized	

Answer is : A

88	3	Most our-function calculators have at least .....operating registers			
		A. 5		B. 2	
		C. 3		D. 1	

Answer is : C

89	3	The clock frequency of a calculator is			
		A. 25 to 500 KHz		B. 10 to 500 KHz	
		C. 15 to 500 KHz		D. 20 to 500 KHz	

Answer is : A

90	3	To service a defective calculators , we need pencil type soldering iron which is having			
		A. 30 to 40 Watts		B. 10 to 30 Watts	
		C. 5 to 40 Watts		D. 25 to 40 Watts	

Answer is : A

91	3	First personal computer controlled with a keyboard was invented in			
		A. 1955		B. 1957	
		C. 1956		D. 1952	

Answer is : B

92	3	First personal computer controlled with a keyboard is			
		A. IBM 610		B. HP 610	
		C. Intel 210		D. IBM 800	

Answer is : A

93	3	First personal computer controlled with a keyboard was invented in			
		A. 1955		B. 1957	
		C. 1956		D. 1952	

Answer is : B

94	3	First personal computer controlled with a keyboard is			
		A. IBM 610		B. HP 610	
		C. Intel 210		D. IBM 800	

Answer is : A

95	3	First personal computer controlled with a keyboard was invented by			
		A. Microsoft		B. <b>IBM</b>	
		C. Hewlett-Packard		D. Apple	

Answer is : B

96	3	The system unit of a personal computer typically contains all of the following except			
		A. Microprocessor		B. Disk controller	
		C. Serial interface		D. Modem	

Answer is : D



97	3	Which of the following is available in the form of a PC now?	
		A. Mainframe	B. Microcomputer
		C. Minicomputer	D. Both (B) & (C)
Answer is : B			

98	3	What is another name for a dot-matrix printer?	
		A. Impact printer	B. Page printer
		C. Spray printer	D. USB
Answer is : A			

99	3	How many pins were in the early dot-matrix print heads?	
		A. 9	B. 12
		C. 18	D. 44
Answer is : A			

100	3	What type of printer is most likely to use a continuous form feeder?	
		A. Laser printer	Inkjet
		C. <u>USB</u>	D. All the above
Answer is : A			

101	3	Scanner with a resolution of 600 dots per inch can split image into	
		A. 600x600 areas	B. 600x100 areas
		C. 600x1200 areas	D. 600x300 areas
Answer is : A			

102	3	In 1900-MHz band, a mobile station needs more	
		A. Instructions	B. Power
		C. Signals	D. Frames
Answer is : B			

10  
3

Advanced Mobile Phone Service (AMPS) has a frequency reuse factor of

A. 9

B. 8

C. 7

D. 5

Answer is : C

10  
4

. A mobile station only communicates with one base station, in a

A. Back Off

B. Hard Handoff

C. Soft Handoff

D. Low Handoff

Answer is : B

10  
5

**Xerographic process is categorized under**

A. Photographic process

B. Reflex method

C. Silver halide process

D. Electrostatic process

Answer is : B

10  
6

The standard size of a catalogue card is

A. 5 inch X 3 inch

. 4 inch X 3 inch

C. 4 inch X 4 inch

D. 3 inch X 3 inch

Answer is : A

10  
7

Information is ...

A. Raw data

B. Raw knowledge

C. Input data

D. Organized data

Answer is : D

10  
8

. If a car arrived at 17:00 after travelling for 2 h 45 min then time at which car started its journey is

A. 11:15 a.m.

B. 14:15 p.m.

C. 15:15 p.m

D. 12:15 p.m.

Answer is : B

10 9	3	An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?	
	A.	144°	B. 150°
	C.	168°	D. 180°

Answer is : D

11 0	3	Which among the following is/are supported by LAN?	
	A.	PABX	B. PSTN
	C.	SBDN	D. All of the above

Answer is : A

11 1	3	Communication in traditional cable TV network is	
	A.	bidirectional	B. unidirectional
	C.	omnidirectional	D. None

Answer is : B

11 2	3	The angle between the minute hand and the hour hand of a clock when the time is 8.30, is:	
	A.	80°	B. 80°
	C.	60°	D. 105°

Answer is : B

11 3	4	Freon group of refrigerants are	
	A.	Inflammable	B. Toxic
	C.	Non-inflammable and toxic	D. Nontoxic and non-inflammable

Answer is : D

11 4	4	The boiling point of ammonia is	
	A.	-10.5°C	B. -30°C
	C.	-33.3°C	D. -77.7°C

Answer is : C

11 5	4	For obtaining high COP, the pressure range of compressor should be			
		A. High	B. Low		
		C. Optimum	D. Any value		

Answer is : B

11 6	4	. A reversible engine it has ideal thermal When is efficiency of 30%. used as a refrigerating machine with all other conditions unchanged, the coefficient of performance will be			
		A. 1.33	B. 2.33		
		C. 3,.33	D. 4.33		

Answer is : B

11 7	4	Cooling water is required for following equipment in ammonia absorption plant a) Condenser b) Evaporator c) Absorber d) <b>Condenser, absorber and separator (rectifier)</b>			
		A. Condenser	B. Evaporator		
		C. Absorber	D. Condenser, absorber and separator (rectifier)		

Answer is : D

11 8	4	The freezing point of sulphur dioxide is			
		A. (A) -56.6°C (B) <b>-75.2°C</b> (C) -77.7°C (D) -135.8°C	B. -75.2°C		
		C. -77.7°C	D. -135.8°C		

Answer is : B

11 9	4	. In a refrigeration system, the expansion device is connected between the			
		A. Compressor and condenser	B. Condenser and receiver		
		C. Receiver and evaporator	D. Evaporator and compressor		

Answer is : B

12 0	4	The vapour compression refrigerator employs the following cycle			
		A. Rankine	B. Carnot		
		C. Reversed Rankine	D. Reversed Carnot		

Answer is : D

12 1	4	The condition of refrigerant after passing through the condenser in a vapour compression system is	
A.	Saturated liquid	B.	Wet vapour
C.	Dry saturated vapour	D.	Superheated vapour

Answer is : A

12 2	4	Refrigerant with the highest critical pressure is	
A.	R-11	B.	R-12
C.	R-22	D.	Ammonia

Answer is : D

12 3	4	The temperature of air recorded by a thermometer, when its bulb is surrounded by a wet cloth exposed to the air, is called	
A.	Wet bulb temperature	B.	Dry bulb temperature
C.	Dew point temperature	D.	None of these

Answer is : A

12 4	4	. In air-conditioning of aeroplanes, using air as a refrigerant, the cycle used is	
A.	Reversed Carnot cycle	B.	Reversed Joule cycle
C.	Reversed Brayton cycle	D.	Reversed Otto cycle

Answer is : C

12 5	4	The mass of water vapour present in _____ is called absolute humidity	
A.	1 m <sup>3</sup> of water	B.	1 m <sup>3</sup> of dry air
C.	1 kg of wet air	D.	1 kg of dry air

Answer is : B

12 6	4	The function of duct in air conditioning unit is:	
A.	air cooling	B.	air cleaning
C.	air drying	D.	air distribution

Answer is : D

12  
7

4 **Process of changing solid into vapour state without passing through liquid state is:**

A. super heating

B. **sublimation**

C. subcooling

D. triple point

**Answer is : B**

12  
8

4 The temperature of air recorded by a thermometer, when its bulb is surrounded by a wet cloth exposed to the air, is called

A. Wet bulb temperature

B. Dry bulb temperature

C. Dew point temperature

D. None of these

**Answer is : A**

12  
9

4 In air-conditioning of aeroplanes, using air as a refrigerant, the cycle used is

A. Reversed Carnot cycle

B. Reversed Joule cycle

C. Reversed Brayton cycle

D. Reversed Otto cycle

**Answer is : C**

13  
0

4 The mass of water vapour present in \_\_\_\_\_ is called absolute humidity

A. 1 m<sup>3</sup> of water

B. 1 m<sup>3</sup> of dry air

C. 1 kg of wet air

D. 1 kg of dry air

**Answer is : B**

13  
1

4 **The function of duct in air conditioning unit is:**

A. air cooling

B. air cleaning

C. air drying

D. air distribution

**Answer is : D**

13  
2

4 **Process of changing solid into vapour state without passing through liquid state is:**

A. super heating

B. **sublimation**

C. subcooling

D. triple point

**Answer is : B**

13 3	4	<b>The COP of a domestic air conditioning in comparison to domestic refrigerator will be:</b>	
		A. same	B. less
		C. more	D. depends upon weather conditions
<b>Answer is : C</b>			
13 4	4	<b>Solenoid valve is operated</b>	
		A. electrically	B. by hand
		C. by gas pressure	D. by oil pressure
<b>Answer is : A</b>			
13 5	4	<b>Pump down the system for:</b>	
		A. more cooling effect	B. to check compressor efficiency
		C. gas charging	D. to attend maintenance in low side
<b>Answer is : D</b>			
13 6	4	<b>STB testing is done by .....ways.</b>	
		A. 1	B. 2
		C. 3	D. 4
<b>Answer is : B</b>			
13 7	5	<b>Set-Top box testing is done by</b>	
		A. U I Testing	B. Recovery testing
		C. Reliability testing	D. Security testing
<b>Answer is : A</b>			
13 8	5	<b>UI testing is related to</b>	
		A. Functiona	B. Non-Functional
		C. Multifunctiona	D. None of the above
<b>Answer is : A</b>			

13 9	5	DTV set-top boxes are sometimes called receivers			
		A. Transmitter	B. Receiver		
		C. Transceiver	D. Transceiver		

**Answer is : B**

14 0	5	Small cardboard ticket which includes coded information and is usually attached to products is usually classified as			
		A. tags	B. coded cardboard		
		C. decoded paper	D. digital cardboard		

**Answer is : A**

14 1	5	Set of parallel printed lines with different thickness of black and white characters is called			
		A. white code	B. magnetic code		
		C. colored code	D. bar code		

**Answer is : D**

14 2	5	Device which is used in stores to directly read universal production code printed on each product sold is called			
		A. bar code reader	B. laser light		
		C. spy cam	D. printer		

**Answer is : A**

14 3	5	Many banks provide facility of			
		A. CAD	B. CAM		
		C. ATM	D. CBT		

**Answer is : C**

14 4	5	What does ATM stands fo			
		A. Automatic Transactions Machine	B. Automated Transactions of Money		
		C. Automated Teller Machine	D. Automated Teller Money		

**Answer is : C**



14  
5

ATM LAN architecture is of

A. • 2types	B. 3types
C. 4types	D. 5types

**Answer is : A**

14  
6

ATM technology supports different types of connections between two

A. Stations	B. Switches
C. • End Users	D. Packages

**Answer is : C**

14  
7

Technology that can be easily adapted for expansion in an organization is

A. ATM	B. • ATM LAN
C. • ATM WAN	D. ATM MAN

**Answer is : B**

14  
8

In pure ATM LANs, stations can exchange data at one of two standard rates of ATM technology i.e. 155 and

A. • 652 Mbps	B. • 750 Mbps
---------------	---------------

C. • 850 Mbps	D. 900 Mbps
---------------	-------------

Answer is : A

14  
9

Dishwasher was invented by\_\_\_\_\_.

A. L.A. Alexander	B. Joel Houghton
C. Josephine Cochran	D. William Chatter

Answer is : C

15  
0

Dish washer has\_\_\_\_\_cycle of operations

A. 5	B. 6
C. 8	D. 10

Answer is : B

15  
1

Which out of the following is the important element of a Dish Washer?

A. Spray Arms	B. Pump
C. Heater	D. All the above

Answer is : D

15  
2

The heating element of a Dish Washer is heated up to\_\_\_\_\_°C

A. 60	B. 90
C. 100	D. 120

Answer is : A

15  
3

Arrange the working cycle of a dishwasher in ascending order

1. Dry Cycle 2.Fill Cycle 3.Pump and Spray Cycle 4.Clean Cycle 5. Rinse Cycle

A. 12345

B. 23451

C. 23415

D. 34521

**Answer is : B**

15  
4

5

ATM makes use of a encryption software known as\_\_\_\_\_

A. Last Pass

B. Triple DES

C. Bit Locker

D. Cyber Ghost

**Answer is : B**

15  
5

5

ATM was invented in the year\_\_\_\_\_

A. 1988

B. 1998

C. 1967

D. 1977

**Answer is : C**