

PROVISIONAL ANSWER KEY

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Question1:-Who repealed the vernacular press act?

- A:-Lord Litton
- B:-Lord Ripon
- C:-Lord Wellesley
- D:-Lord Mount Batten

Correct Answer:- Option-B

Question2:-The pioneer of Indian Communism is

- A:-P.C. Ray
- B:-B.G. Tilak
- C:-Bipan Chandra Pal
- D:-M.N. Roy

Correct Answer:- Option-D

Question3:-'Kanya Van Samrudhi Yojana' is launched by

- A:-Maharashtra
- B:-Andhra Pradesh
- C:-Gujarat
- D:-U.P.

Correct Answer:- Option-A

Question4:-The 'Woods Dispatch' of 1854 is associated with

- A:-Setting up of Forest Department in India
- B:-Establishment of Revenue Department in India
- C:-Establishment of Universities in India
- D:-Setting up of Railways in India

Correct Answer:- Option-C

Question5:-The percentage of earth surface covered by India is

- A:-2.2%
- B:-2.4%
- C:-2.6%
- D:-2.8%

Correct Answer:- Option-B

Question6:-The first indigenously built atomic power station in India was

- A:-Tarapur
- B:-Rawatbhata
- C:-Kalpakkam
- D:-Kakrapar

Correct Answer:- Option-C

Question7:-The place where salt satyagraha took place in Kerala?

- A:-Kollam
- B:-Payyannur
- C:-Muzhikkulam
- D:-Kodungallur

Correct Answer:- Option-B

Question8:-23rd May 1931 is associated with

- A:-Surya Sen
- B:-Ajith Singh
- C:-Bhagat Singh
- D:-W.C. Banerjee

Correct Answer:- Option-C

Question9:-The 8th Five Year Plan in India was implemented between

A:-1980-1985

B:-1985-90

C:-1990-92

D:-1992-97

Correct Answer:- Option-D

Question10:-The forced labour without remuneration in pre-modern Kerala was known as

A:-Anchuvannam

B:-Manigramam

C:-Kacham

D:-Uzhiyam

Correct Answer:- Option-D

Question11:-At which place, Vaikunda Swamikal attained enlightenment and assumed the title 'Vaikundar'?

A:-Tiruchendur

B:-Muttapathy

C:-Thycaud

D:-Madurai

Correct Answer:- Option-A

Question12:-In which year Sri. Brahmananda Sivayogi formed a new philosophy or religion called Anandadarsha?

A:-1889

B:-1890

C:-1892

D:-1895

Correct Answer:- Option-C

Question13:-Which among the following works of Thycaud Ayya showed his scholarship as a Vedantist?

A:-Christhumatha Saaram

B:-Brahmotharakandam

C:-Pracheena Keralam

D:-Karuna

Correct Answer:- Option-B

Question14:-In the year 1922, Sri Narayana Guru built a temple at Murukkumpuzha and consecrated not an idol but a mere inscription. Which among the following words are not inscribed in it?

A:-Truth

B:-Love

C:-Mercy

D:-Compassion

Correct Answer:- Option-D

Question15:-The Cochin Legislative Council that came into existence in 1925 was inaugurated in _____

A:-Tripunithura

B:-Cochin

C:-Kodungallor

D:-Puduvaippu

Correct Answer:- Option-A

Question16:-Who has won the Men's Singles French Open Tennis tournament in 2018?

A:-Rafael Nadal

B:-Andy Murray

C:-Roger Federer

D:-Novak Djokovic

Correct Answer:- Option-A

Question17:-The first fish on earth known to be truly warm blooded is _____

A:-Salmon

B:-Hogfish

C:-Flathead Grey Mullet

D:-Opah

Correct Answer:- Option-D

Question18:-Which of the following was selected as the best motion picture and took home the Oscar 2018?

A:-La La Land

B:-Moonlight

C:-Hacksaw Ridge

D:-Arrival

Correct Answer:- Option-B

Question19:-The place where International Buddhist conference was held in 2018?

- A:-Lumbini
- B:-Gaya
- C:-Patna
- D:-Banaras

Correct Answer:- Option-A

Question20:-NASA's _____ discovered ancient components necessary for life on Mars.

- A:-Discovery
- B:-Endeavour
- C:-The Curiosity
- D:-Columbia

Correct Answer:- Option-C

Question21:-The software used for high performance numerical computation and visualization

- A:-MASM
- B:-MATLAB
- C:-MENDELEY
- D:-TASM

Correct Answer:- Option-B

Question22:-VHSIC Hardware Description Language is commonly called

- A:-VHDL
- B:-Verilog HDL
- C:-VHSHDL
- D:-None of these

Correct Answer:- Option-A

Question23:-In D'Arsonval Movement the torque exerted on the pivoted coil is proportional to the applied

- A:-Voltage
- B:-Current
- C:-Power
- D:-Amplitude

Correct Answer:- Option-B

Question24:-LVDT is used to measure

- A:-Temperature
- B:-Humidity
- C:-Displacement
- D:-Magnetic Flux

Correct Answer:- Option-C

Question25:-All pass filters are used for

- A:-Phase correction
- B:-Noise reduction
- C:-Attenuation
- D:-Amplification

Correct Answer:- Option-A

Question26:-A network designed to attenuate certain frequencies and allow other to pass without attenuation is called

- A:-Filter
- B:-Attenuator
- C:-Low noise amplifier
- D:-Pre-Amplifier

Correct Answer:- Option-A

Question27:-The instrument used to display a signal in frequency domain is

- A:-CRO
- B:-Wave Analyser
- C:-Spectrum Analyser
- D:-DSO

Correct Answer:- Option-C

Question28:-IC 7447 is

- A:-Encoder IC
- B:-Comparator IC
- C:-Multiplexer IC

D:-Decoder IC

Correct Answer:- Option-D

Question29:-The element used to separate transmitting and receiving signals in a single antenna system

A:-Detector

B:-Mixer

C:-Low Noise Amplifier

D:-Duplexer

Correct Answer:- Option-D

Question30:-Which one is not an internal part of PLC?

A:-CPU

B:-Timer

C:-Communication interface

D:-DIMM

Correct Answer:- Option-D

Question31:-In an SCR Holding current is

A:-Equal to latching current

B:-Less than Latching current

C:-Greater than Latching current

D:-Zero

Correct Answer:- Option-B

Question32:-The synchronous speed of a synchronous motor is directly proportional to

A:-Number of poles

B:-Applied voltage

C:-Frequency of input voltage

D:-None of these

Correct Answer:- Option-C

Question33:-Bandwidth of an FM radio station

A:-250 KHz

B:-175 KHz

C:-200 KHz

D:-10.5 KHz

Correct Answer:- Option-C

Question34:-Number of Flip Flips required to construct a MOD-12 counter

A:-12

B:-6

C:-4

D:-3

Correct Answer:- Option-C

Question35:-The IC 8279 is

A:-DMA controller

B:-PPI

C:-Interrupt controller

D:-Keyboard and Display Interface

Correct Answer:- Option-D

Question36:-Which logic family has the lowest propagation delay?

A:-Standard TTL

B:-RTL

C:-HTL

D:-Schottky TTL

Correct Answer:- Option-D

Question37:-Anti-fuse is related to

A:-SCR

B:-SRAM

C:-ASIC

D:-MOSFET

Correct Answer:- Option-C

Question38:-_____ is not a microprocessor.

A:-8088

B:-8086

C:-Z80

D:-8051

Correct Answer:- Option-D

Question39:-What is the total power of an AM signal with 100 Watts carrier power and 100% depth of modulation?

A:-100 watts

B:-100 K watts

C:-150 watts

D:-150 K watts

Correct Answer:- Option-C

Question40:-Foster-Seeley demodulator is

A:-AM Demodulator

B:-FM Demodulator

C:-PAM Demodulator

D:-PPM Demodulator

Correct Answer:- Option-B

Question41:-SCR in reverse blocking mode, the junctions are reverse biased are

A:-J1 alone

B:-J2 and J3

C:-J2 Alone

D:-J1 and J3

Correct Answer:- Option-D

Question42:-Snubber circuits are used in SCR circuit for

A:-To limit current

B:-To protect from high dv/dt

C:-Protect from over temperature

D:-None of these

Correct Answer:- Option-B

Question43:-Which oscillator that can be fabricated in IC form?

A:-Relaxation Oscillator

B:-Crystal Oscillator

C:-RC Phase Shift Oscillator

D:-Wein Bridge Oscillator

Correct Answer:- Option-A

Question44:-Base of a number system is also called

A:-Count

B:-Radix

C:-Value

D:-Nibble

Correct Answer:- Option-B

Question45:-Divide by error interrupt in 8086 can initiated using

A:-RST 0

B:-by Resetting

C:-Using INTR

D:-INT 0

Correct Answer:- Option-D

Question46:-Using three numbers of resistances _____ number of combinations can be made.

A:-3

B:-4

C:-5

D:-2

Correct Answer:- Option-B

Question47:-The ideal output resistance of a voltage amplifier is _____ resistance.

A:-Unity

B:-Infinity

C:-1000

D:-Zero

Correct Answer:- Option-D

Question48:-CMRR is related to

A:-Inverter

B:-Chopper

C:-Amplifier

D:-Op-Amp

Correct Answer:- Option-D

Question49:-Capacity of a single layer Blu-Ray disc

A:-5.5 GB

B:-11 GB

C:-25 GB

D:-50 GB

Correct Answer:- Option-C

Question50:-Nyquist sampling theorem is related to

A:-BPSK

B:-PPM

C:-PCM

D:-FDM

Correct Answer:- Option-C

Question51:-The ideal data speed of 5 G mobile network

A:-20 GB/s

B:-5 GB/s

C:-1 GB/s

D:-22.5 GB/s

Correct Answer:- Option-A

Question52:-The type of connector used in telephones

A:-RJ-45

B:-RJ-11

C:-RJ-10

D:-RJ-9

Correct Answer:- Option-B

Question53:-Signals transmitted over several different paths is called

A:-Multi-user diversity

B:-Time diversity

C:-Space diversity

D:-None of these

Correct Answer:- Option-C

Question54:-The light detector used in optical fibre communication

A:-PIN Diode

B:-APD

C:- (1) and (2)

D:-None

Correct Answer:- Option-C

Question55:-Class C amplifiers are commonly used as _____ Amplifiers.

A:-AF current

B:-AF voltage

C:-Radio frequency

D:-Pulse amplifier

Correct Answer:- Option-C

Question56:-The number of select lines in a 1 to 8 de-multiplexer is

A:-2

B:-3

C:-4

D:-8

Correct Answer:- Option-B

Question57:-Number of address lines required to address a memory system made of 2 modules of 1 MB memory chips

A:-12

B:-20

C:-21

D:-None of these

Correct Answer:- Option-C

Question58:-A Karnaugh Map is an abstract form of _____ diagram.

- A:-Cycle diagram
- B:-Block diagram
- C:-Logical diagram
- D:-Venn diagram

Correct Answer:- Option-D

Question59:-A logic circuit that has memory is

- A:-Sequential circuit
- B:-Combinational circuit
- C:-Both (1) and (2)
- D:-None of these

Correct Answer:- Option-A

Question60:-The basic block in an HDL program is called

- A:-Object
- B:-Gate
- C:-Module
- D:-Model instantiation

Correct Answer:- Option-C

Question61:-Number of bits in a Binary Coded Decimal Number

- A:-8
- B:-4
- C:-2
- D:-1

Correct Answer:- Option-B

Question62:-All Keywords in c programming is

- A:-Lower case
- B:-Upper case
- C:-Both upper and lower cases
- D:-Digits only

Correct Answer:- Option-A

Question63:-In the specifications of a network interface card 10/100 stands for

- A:-Length of Media
- B:-Mega bits per second
- C:-Protocol
- D:-None of these

Correct Answer:- Option-B

Question64:-Ripple factor of Halfwave rectifier is

- A:-1.21
- B:-0.482
- C:-40.6
- D:-81.2

Correct Answer:- Option-A

Question65:-Major application of a Varactor diode is

- A:-Rectifier
- B:-Voltage doubler
- C:-Demodulator
- D:-Tuning circuit

Correct Answer:- Option-D

Question66:-Cut-in voltage of a Germanium diode is

- A:-0.2 V
- B:-0.6 V
- C:-1.0 V
- D:-0.7 V

Correct Answer:- Option-A

Question67:-Which of the following has highest internal resistance?

- A:-A constant current source
- B:-A constant voltage source
- C:-Both of these
- D:-None of these

Correct Answer:- Option-A

Question68:-A DC current source has a short circuit current of 4 mA and an open-circuit voltage of 20 V. The internal resistance is

- A:-5 K Ω
- B:-100 Ω
- C:-4 K Ω
- D:-100 K Ω

Correct Answer:- Option-A

Question69:-The overall gain of RC coupled amplifier is small due to

- A:-Large bandwidth
- B:-Loading effect of successive stages
- C:-Impedance of capacitor
- D:-None of these

Correct Answer:- Option-B

Question70:-Intrinsic standoff ratio is the characteristics of

- A:-Semi-conductor
- B:-Tunnel diode
- C:-FET
- D:-UJT

Correct Answer:- Option-D

Question71:-Stability of a circuit increases with

- A:-Positive feedback
- B:-Negative feedback
- C:-Current series feedback
- D:-Both (1) and (2)

Correct Answer:- Option-B

Question72:-An emitter follower is

- A:-Current series feedback circuit
- B:-Voltage series feedback circuit
- C:-Both (1) and (2)
- D:-None of these

Correct Answer:- Option-A

Question73:-The output frequency of a crystal oscillator is stable because of

- A:-High Q of the crystal
- B:-Low XL/R Ratio
- C:-Rigid Crystal Structure
- D:-Small size

Correct Answer:- Option-A

Question74:-An Ideal Op-Amp has

- A:-Zero output resistance
- B:-Infinite Voltage gain
- C:-Infinite input impedance
- D:-All of these

Correct Answer:- Option-D

Question75:-An example for wave shaping circuit is

- A:-Astable Multi-vibrator
- B:-RC Relaxation oscillator
- C:-Schmitt Trigger
- D:-None of these

Correct Answer:- Option-C

Question76:-Number of diodes in a bridge rectifier is

- A:-2
- B:-4
- C:-1
- D:-None of these

Correct Answer:- Option-B

Question77:-Bucking voltage is another name for

- A:-Back emf
- B:-Breakdown voltage
- C:-Saturation voltage

D:-Knee voltage

Correct Answer:- Option-A

Question78:-The gain of amplifier in RC phase shift oscillator should be

A:-180

B:-1

C:-28

D:-29

Correct Answer:- Option-D

Question79:-In a PTC thermistor, the temperature at which resistance increases rapidly is known as

A:-Temperature coefficient

B:-Switching point

C:-Break point

D:-Valley point

Correct Answer:- Option-B

Question80:-Forbidden energy gap of Germanium is

A:-0.72 eV

B:-1.12 eV

C:-1.1 eV

D:-2.1 eV

Correct Answer:- Option-A

Question81:-Esaki diode is another name for

A:-Schottky Diode

B:-PIN Diode

C:-Tunnel Diode

D:-DIAC

Correct Answer:- Option-C

Question82:-In a signed binary number, the sign used to indicate a negative number is

A:-0

B:-1

C:-00

D:-None of these

Correct Answer:- Option-B

Question83:-Which one is a serial to parallel converter?

A:-Decoder

B:-Multiplexer

C:-De-Multiplexer

D:-Both (1) and (2)

Correct Answer:- Option-C

Question84:-Number of modes of operations in TRIAC

A:-4

B:-2

C:-5

D:-1

Correct Answer:- Option-A

Question85:-Which one is not a networking component?

A:-RS 232

B:-NIC

C:-Router

D:-Bridge

Correct Answer:- Option-A

Question86:-How many bytes of bits addressable locations are present in 8051 microcontroller?

A:-20

B:-16

C:-8

D:-32

Correct Answer:- Option-B

Question87:-Instruction queue size in 8086 is _____ bytes.

A:-6

B:-8

C:-12

D:-16

Correct Answer:- Option-A

Question88:-Number of transistors integrated in 8086 microprocessor

A:-32000

B:-29000

C:-20000

D:-64000

Correct Answer:- Option-B

Question89:-Inelastic scattering of photon is defined by

A:-Hall effect

B:-Miller effect

C:-Multiple scattering

D:-Raman effect

Correct Answer:- Option-D

Question90:-Rise time budget is related to

A:-Microwave link

B:-RF link

C:-Optical link

D:-None of these

Correct Answer:- Option-C

Question91:-Johnson-Nyquist noise is another name for _____ noise.

A:-Short noise

B:-Flicker noise

C:-Transit time noise

D:-Thermal noise

Correct Answer:- Option-D

Question92:-According to _____, a spatially varying electric field is always associated with a magnetic field that changes over time.

A:-Lens law

B:-Faraday's law

C:-Flemings LH law

D:-Maxwells equations

Correct Answer:- Option-D

Question93:-A hollow conductive metal pipe used for communication is called

A:-Microwave link

B:-Wave Guide

C:-Duct

D:-OFC

Correct Answer:- Option-B

Question94:-Which one is not an embedded operation system?

A:-Android

B:-WebOS

C:-iOS

D:-Solaris

Correct Answer:- Option-D

Question95:-The first Personal Computer (PC) was introduced by

A:-IBM

B:-Intel

C:-Microsoft

D:-Sun Microsystems

Correct Answer:- Option-A

Question96:-IEEE 802.11 is the standard used for

A:-GSM

B:-CDMA

C:-Ethernet

D:-WLAN

Correct Answer:- Option-D

Question97:-The point of intersection of DC and AC load lines is called

A:-Saturation point

B:-Cut-off point

C:-Operating point

D:-Peak point

Correct Answer:- Option-C

Question98:-A zener diode that has very narrow depletion layer will breakdown by _____ mechanism.

A:-Zener breakdown

B:-Avalanche breakdown

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-A

Question99:-In a multivibrator, we have _____ feedback.

A:-Negative feedback

B:-50% positive feedback

C:-100% positive feedback

D:-None of these

Correct Answer:- Option-C

Question100:-For display of signal pattern _____ voltage is applied to the horizontal plates of a CRO.

A:-Sinusoidal

B:-Saw tooth

C:-Triangular

D:-Rectangular

Correct Answer:- Option-B