



भारत सरकार :: अंतरिक्ष विभाग
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Indian Space Research Organisation



Section : **Electronic Mechanic For SDSC SHAR and ISTRAC**

Q.1 The phenomenon which causes the reverse breakdown in Zener Diode is called as

- A. Hall Effect
- B. Avalanche Effect
- C. Breakdown Effect
- D. Seebeck Effect

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : **5834937586**

Q.2 A transistor has a β_{dc} of 120 and base current of 10 μ A. what is the collector current?

- A. 1.2 mA
- B. 120 μ A
- C. 12 mA
- D. 120 mA

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : **5834937615**

Q.3 The purpose of cold junction compensation for a thermocouple is

- A. To decrease the Temperature Sensitivity
- B. To increase voltage output
- C. To cancel unwanted voltage at the output of a Thermocouple
- D. Used for high temperature circuits

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : **5834937638**

Q.4 एक RLC परिपथ में $8\ \Omega$ का प्रतिरोध, $2\ \Omega$ का धारिता प्रतिघात तथा $8\ \Omega$ का प्रेरण प्रतिघात श्रेणी में लगे हुए हैं, 230 V , 50 Hz की आपूर्ति देने पर इस परिपथ का कुल प्रतिबाधा कितनी होगी?

- A. 12
- B. 18
- C. 14
- D. 10

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937614

Q.5 समान लम्बाई के दो चालक तार A (प्रतिरोध R_A) तथा B (प्रतिरोध R_B) एक ही पदार्थ से बनाए गए हैं। यदि तार B का व्यास तार A के व्यास से दोगुना है तो का R_A/R_B अनुपात क्या होगा?

- A. 4
- B. $\frac{1}{4}$
- C. $\frac{1}{2}$
- D. 1

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937594

Q.6 यदि वृत्त के केंद्र से 10 cm दूर बाह्य बिंदु से आरेखित स्पर्श रेखा की लंबाई 8 cm है, तो वृत्त की त्रिज्या कितनी होगी ?

- A. 4 cm
- B. 5 cm
- C. 6 cm
- D. 7 cm

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937656

Q.7 एक गोले और घनाभ के पृष्ठ का क्षेत्रफल बराबर है। गोले एवं घनाभ के आयतनों का अनुपात क्या होगा?

- A. $\sqrt{\pi} : \sqrt{6}$
- B. $\sqrt{6} : \sqrt{\pi}$
- C. $\sqrt{\pi} : \sqrt{3}$
- D. $\sqrt{3} : \sqrt{\pi}$

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937657

Q.8 In electronics/electrical circuit the angle between voltage and current is called

- A. Peak factor
- B. Form factor
- C. Phase difference
- D. Power factor

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937644

Q.9 नीचे दिया गया युक्ति क्या है?



- A. N-MOS
- B. P-MOS
- C. CMOS
- D. JFET

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937592

Q.10 A 1000 J work is done in 2 seconds. What is the power utilized?

- A. 998 W
- B. 1002 W
- C. 2000 W
- D. 500 W

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937658

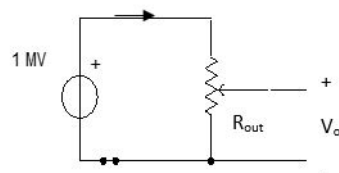
Q.11 Which one of the following is not an essential component in a Clamper Circuit?

- A. Diode
- B. Capacitor
- C. Resistor
- D. Independent DC Supply

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937610

Q.12 What is the value of R_{out} for the voltage divider circuit given below so that current I is limited to 0.5A when V_o is 100V?

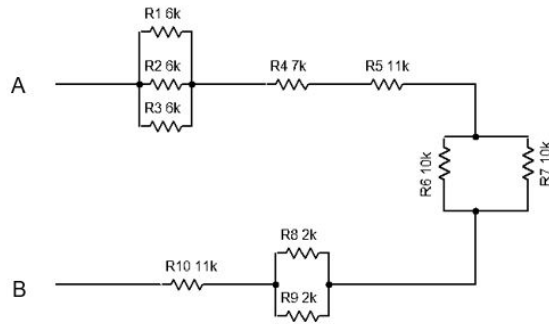


- A. $2M\Omega$
- B. $2k\Omega$
- C. 200Ω
- D. 2Ω

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937613

Q.13 Find the resistance between the points A and B in the circuit given below? The resistance values given the circuit are kilo Ohms (i.e. 2k means 2 kΩ).



- A. 35 kΩ
- B. 38 kΩ
- C. 47 kΩ
- D. 37 kΩ

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937611

Q.14 यदि $\sqrt{2}\sin(60 - \alpha) = 1$ हो तो α का मान है

- A. 45°
- B. 15°
- C. 60°
- D. 30°

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937653

Q.15 Which of the following is not a type of Strain Gauge?

- A. Wire
- B. Foil
- C. Frame
- D. Coil

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937640

Q.16 In full adder, there are

- A. Two binary inputs and two outputs
- B. Three binary inputs and two binary outputs
- C. Three binary inputs and three binary outputs
- D. Two binary inputs and three Binary outputs

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937602

Q.17 Which of the following method requires constant transmitter power for the signal transmission?

- A. Pulse Code Modulation
- B. Pulse Position Modulation
- C. Pulse Width Modulation
- D. Pulse Amplitude Modulation

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937633

Q.18 IPV6 वर्जन में IP अड्रेस का साइज़ कितना होता है?

- A. 216 बिट
- B. 512 बिट
- C. 32 बिट
- D. 128 बिट

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937629

Q.19 What is the logic levels 0 and 1 respectively for RS232 serial communication standard?

- A. +5 to +15V and -5 to -15V
- B. +2 to +6V and -2 to -6V
- C. +3 to +12V and -3 to -12V
- D. +2 to +16V and -2 to -16V

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937626

Q.20 Which of the following conditions are needed to properly bias a NPN transistor amplifier?

- A. Forward bias the base-emitter junction and reverse bias the base collector junction.
- B. Forward bias the collector-base junction and reverse bias the emitter-base junction
- C. Apply a positive voltage on the n-type material and a negative voltage on the p-type material
- D. Apply a large voltage on the base

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937582

Q.21 The SiO₂ layer in IC acts as

- A. a resistor
- B. an insulator
- C. an isolator
- D. channel

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937591

Q.22 The advantage of FDMA over TDMA includes

1. Division is simpler
2. Propagation delays are eliminated
3. Cheaper filters with less complicated logic functions
4. Linearity

- A. 1,2 and 3 correct
B. 1 and 2 are correct
C. 1 and 4 correct
D. All four are correct

Ans ☒ 1. A

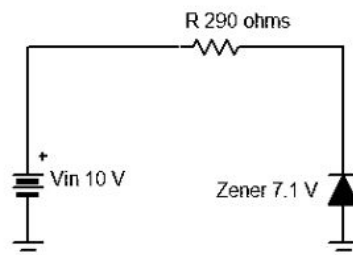
☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937632

Q.23 What is the current through the resistor in the circuit?



- A. 29 mA
B. 2.9 mA
C. 10 mA
D. 12 mA

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937589

Q.24 A wire of resistance $3\ \Omega$ is cut into three equal pieces, which are then joined to form a triangle. The equivalent resistance between any two corners of the triangle is

- A. $2/3\ \Omega$
- B. $3/2\ \Omega$
- C. $1/2\ \Omega$
- D. $1/3\ \Omega$

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937661

Q.25 A MOSFET in depletion mode acts as

- A. JFET
- B. a current Source
- C. a resistor
- D. a BJT

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937587

Q.26 Which of the following audio speaker will be hard to be driven by a power amplifier?

- A. 4 Ohms
- B. 8 Ohms
- C. 12 Ohms
- D. 2 Ohms

Ans  1. A

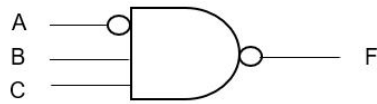
 2. B

 3. C

 4. D

Question ID : 5834937628

Q.27 What is the input of the below given gates in the form of ABC, if the output F=0?



- A. 001
- B. 110
- C. 011
- D. 100

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937606

Q.28 After firing an SCR, the gating pulse is removed, then the current in the SCR will

- A. Remains the same
- B. Immediately fall to zero
- C. Increase high
- D. Increase a little and fall to zero

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937647

Q.29 For a 256B ROM which is represented as 512 X 4 bits. The size of address and data lines respectively are

- A. 512 and 4 bits
- B. 9 and 4 bits
- C. 9 and 2 bits
- D. 512 and 2 bits

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937604

Q.30 What is DDR -DRAM ?

- A. Dynamic Data Rate Double Random Access Memory
- B. Double Data Rate Dynamic Random Access Memory
- C. Dynamic Data Register Double Random Access Memory
- D. Digital Data Register Dynamic Random Access Memory

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937599

Q.31 What is the output waveform of a comparator circuit, if the input is Sine wave?

- A. Rectangular wave
- B. Sinewave
- C. Ramp wave
- D. Sawtooth eave

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937639

Q.32 तीन संख्याओं का योग 264 है। यदि पहली संख्या दूसरी का दोगुना है और तीसरी संख्या, पहली का एक-तिहाई है, तो दूसरी संख्या क्या है

- A. 48
- B. 54
- C. 72
- D. 84

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937654

Q.33 The output of a logic gate is 1 when all its inputs are at logic 1. The gate is either

- A. NAND or NOR
- B. AND or OR
- C. OR or XOR
- D. AND or NOR

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937600

Q.34 A series resonant circuit has $L=1$ mH and $C=10$ F. The required R for the bandwidth of 14 Hz is?

- A. 88 m Ω
- B. 0.14 Ω
- C. 159 m Ω
- D. 1.4 Ω

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937622

Q.35 Logic equation of an EX-NOR gate having its inputs as A and B is?

- A. $A'B+AB'$
- B. $A'B'+A'B$
- C. $A'B'+AB$
- D. $A'B'+AB'$

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937630

Q.36 If any input of TTL circuit is left floating it functions as if it is connected to

- A. 0 level
- B. High impedance level
- C. 1 level
- D. Don't care

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937598

Q.37 In a servo-controlled voltage stabilizer, what is the main method of operation?

- A. Open loop method
- B. Modulation method
- C. Closed loop method
- D. Voltage divider method

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937645

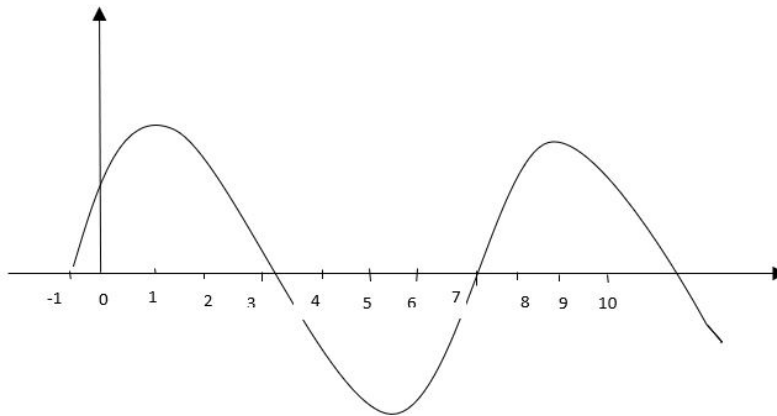
Q.38 एक $3\frac{1}{2}$ वोल्टमीटर का विभेदन (रेसल्यूशन) क्या होगा जब निर्देश वोल्टता 2V माना गया हो?

- A. 0.5mV
- B. 2mV
- C. 6mV
- D. 1mV

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937637

Q.39 What is the period and frequency of the waveform shown below?

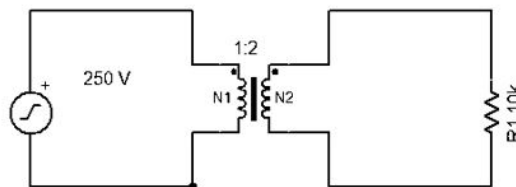


- A. $T = 10\text{sec}$ and $F = 0.100\text{Hz}$
- B. $T = 5\text{sec}$ and $F = 0.200\text{Hz}$
- C. $T = 7\text{sec}$ and $F = 0.100\text{Hz}$
- D. $T = 8\text{sec}$ and $F = 0.125\text{Hz}$

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937623

Q.40 If the transformer given is ideal transformer, then what is the power dissipated in the primary of the transformer given?



- A. 250 W
- B. 0.25 W
- C. 50 W
- D. 25 W

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937651

Q.41 The resistance value of PT100 sensor varies -----ohms/ $^{\circ}\text{C}$

- A. 0.184
- B. 0.284
- C. 0.384
- D. 0.484

Ans ☒ 1. A

☒ 2. B

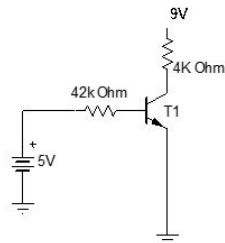
☒ 3. C

☒ 4. D

Question ID : 5834937636

Q.42 What is the state of following transistor in the circuit? $h_{FE}(\beta) = 100$,

$$V_{BE} = 0.8 \text{ V}, V_{CE \text{ sat}} = 0.2 \text{ V}$$



- A. Active region
- B. Saturated region
- C. Cutoff region
- D. Cannot be determined

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937593

Q.43

In a CRO, what is the calibration signal generally available?

- A. DC
- B. Sawtooth
- C. Sine
- D. Square

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937634

Q.44 Which of transistor configurations has high voltage gain and high current gain?

- A. CC
- B. CB
- C. CE
- D. Both CB and CC

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937590

Q.45

बूलन लॉजिक में, यदि $XY=0$, तो $X \oplus Y$ किसके बराबर होगा?

- A. $X + Y$
- B. XY
- C. $\bar{X}\bar{Y}$
- D. $\bar{X} + \bar{Y}$

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937603

Q.46 In Common Base configuration of transistor $\alpha = 0.9$ and $I_E = 1\text{ mA}$, find I_B

- A. 1 A
- B. 10 mA
- C. 5 mA
- D. 0.1 mA

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937621

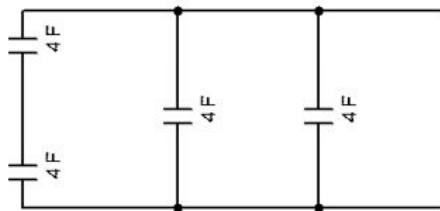
Q.47 Gain of an antenna is defined as the product of

- A. Antenna efficiency and directivity of the antenna
- B. Radiation intensity in that direction and the total input radiated power
- C. Radiation intensity in that direction and the average radiated power
- D. None of the above

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937625

Q.48 What is the total capacitance in the given circuit?



- A. 8 F
- B. 10 F
- C. 12 F
- D. 16 F

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937608

Q.49 The Peak inverse voltage of each diode in bridge rectifier circuit is ____ that of the equivalent center tapped full wave rectifier circuit.

- A. Half
- B. The same
- C. Twice
- D. Four times

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937641

Q.50 स्पंदी (पल्सेटिंग) DC आपूर्ति के कारण पावर एम्प्लिफायर में क्या होता है

- A. ट्रांजिस्टर का जलना
- B. परिपथ में गुंजन
- C. अत्याधिक अग्रेषण वोल्टेज
- D. कुछ नहीं होता

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937649

Q.51 Find the square root of $(272^2 - 128^2)$

- A. 144
- B. 200
- C. 240
- D. 256

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937655

Q.52 The quality factor 'Q' of an inductance coil is improved by?

- A. Reducing coil resistance to minimum
- B. Reducing coil inductance
- C. Increasing the coil resistance to the maximum
- D. Both (A) and (B)

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937648

Q.53 दशमलव संख्या 292.75 को द्वि-आधारी (बाइनरी) में बदलें?

- A. 100100100.11
- B. 100010100.01
- C. 100100100.10
- D. 100011001.11

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937601

Q.54 In voltage regulation Zener diode is used in

- A. Forward bias
- B. Reverse bias
- C. Cannot use Zener diode
- D. Forward bias with proper breakdown voltage

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937585

Q.55

At room temperature, an intrinsic silicon crystal acts as

- A. a battery
- B. a conductor
- C. an insulator
- D. a capacitor

Ans  1. A 2. B 3. C 4. D

Question ID : 5834937584

Q.56

A decade counter is a combination of

- A. Four shift registers
- B. Four flip flops
- C. Four flip flops and combinational circuit
- D. Three flipflops.

Ans  1. A 2. B 3. C 4. D

Question ID : 5834937605

Q.57

For a Non-inverting amplifier consisting of OPAMP, if A_{OL} and A_{CL} are Open loop and closed loop gains respectively, then

- A. $A_{OL} < A_{CL}$
- B. $A_{OL} = A_{CL}$
- C. $A_{OL} > A_{CL}$
- D. $A_{OL} < 1, A_{CL} < 1$

Ans  1. A 2. B 3. C 4. D

Question ID : 5834937616

Q.58 जब हम एक स्विच को प्रवर्तित (actuate) करते हैं तो आउटपुट लैप ऑन हो जाएगा, तथा जब उसी स्विच को अप्रवर्तित (de-actuate) करते हैं तो आउटपुट लैप अभी भी ग्लो ऑन रहता है। वह किस प्रकार का परिपथ है?

- A. ओपन परिपथ
- B. इंचिंग परिपथ
- C. लैचिंग परिपथ
- D. इंटरलॉकिंग परिपथ

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937635

Q.59 Which of the following is not a basic reason for modulation of signal?

- A. Practical length of antenna
- B. Operating range
- C. Wireless communication
- D. Encode an information

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937627

Q.60 Which of the following oscillator cannot be used in low frequency applications

- A. Wein Bridge oscillators
- B. RC phase shift oscillators
- C. Colpitts oscillators
- D. Blocking oscillators

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937617

Q.61 The difference between Latch and Flip flop is

- A. Latch is edge triggered, Flip flop is level triggered
- B. Latch is level triggered, Flip flop is edge triggered
- C. Both are level triggered
- D. Both are edge triggered

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937597

Q.62 Peak inverse voltage of a center tapped full wave rectifier is

- A. V_m
- B. $2 V_m$
- C. V_m / π
- D. $2 V_m / \pi$

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937643

Q.63 The maximum rate of change of output voltage caused by a step input voltage of an OPAMP is called

- A. Slew rate
- B. Nyquist rate
- C. Distortion rate
- D. Rising rate

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937612

Q.64 The advantage of totem pole configuration is

- A. Fast and low power consumption
- B. Slow and high power consumption
- C. Fast and high power consumption
- D. None of the above

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937588

Q.65 In npn transistor, the majority carrier in the base region is

- A. Electrons
- B. Holes
- C. Atoms
- D. All

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937583

Q.66 एक इनवर्टर में, यदि मूल आउटपुट आवृत्ति 50Hz है, तो आवृत्ति का निम्नतम क्रम सनांदी होगा

- A. 50 Hz
- B. 150Hz
- C. 250Hz
- D. 350Hz

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937652

Q.67 FM प्रसारण के लिए आवंटित आवृत्ति है

- A. 88MHz - 108MHz
- B. 10MHz - 30MHz
- C. 50MHz - 170MHz
- D. 60MHz - 80MHz

Ans ☒ 1. A

☐ 2. B

☐ 3. C

☐ 4. D

Question ID : 5834937624

Q.68 Which splicing technique involves the alignment and locking of broken fiber edges by means of positioning devices and optical cement?

- A. Fusion
- B. Mechanical
- C. Both A and B
- D. None of the above

Ans ☐ 1. A

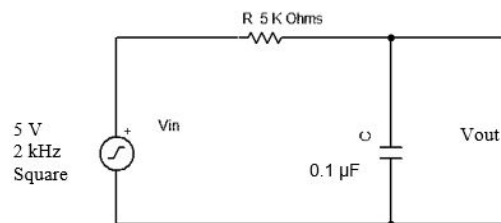
☒ 2. B

☐ 3. C

☐ 4. D

Question ID : 5834937631

Q.69 A 1 kHz square wave is applied to the circuit below. The output waveform will look like



- A. Sine
- B. Triangular
- C. Sawtooth
- D. Square

Ans ☐ 1. A

☒ 2. B

☐ 3. C

☐ 4. D

Question ID : 5834937620

Q.70 Maximum component density for a given PCB size can be obtained by

- A. SMD components and multi-layer PCB
- B. Leaded components and single sided PCB
- C. Leaded components and double-sided PCB
- D. SMD components and double-sided PCB

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937609

Q.71 In the frequency response curve of an RC coupled amplifier, drop in the gain value at lower frequencies observed is due to

- A. Output resistance of the input transistor
- B. Input resistance of the output transistor
- C. Reactance of coupling capacitor
- D. All of the above

Ans  1. A

 2. B

 3. C

 4. D

Question ID : 5834937650

Q.72 If a transformer has turn ration of 1:2 and the primary current is 20A then, what will be the secondary current?

- A. 40A
- B. 20A
- C. 10A
- D. 100A

Ans  1. A

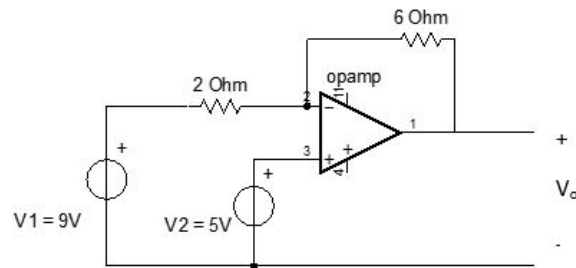
 2. B

 3. C

 4. D

Question ID : 5834937646

Q.73 V_o in the following circuit is



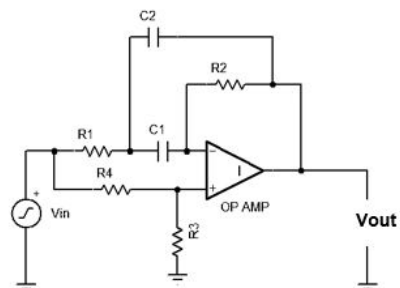
- A. 4V
- B. 17V
- C. 27V
- D. 12 V

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937618

Q.74

What is the functionality of the given circuit below?



- A. Band Pass Filter
- B. Low Pass Filter
- C. Band Stop Filter
- D. High Pass Filter

Ans ☒ 1. A
☒ 2. B
☒ 3. C
☒ 4. D

Question ID : 5834937619

Q.75 For a body moving with a constant speed in horizontal circle. Which of the following remain constant?

- A. Velocity
- B. Acceleration
- C. Centripetal force
- D. Kinetic energy

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937660

Q.76 D-प्रकार के फ्लिप फ्लॉप के संबंध में निम्न में से कौन सा कथन सही है?

- A. यदि कोई एक इनपुट '1' रखा जाता है तो आउटपुट टॉगल होता है
- B. एक समय पर कोई एक ही इनपुट '1' हो सकता है
- C. आउटपुट पूरक इनपुट का अनुगामी होता है, यदि सक्षम बनाया जाए
- D. जैसे ही इनपुट D '1' या '0' होते हैं वैसे ही आउटपुट Q या तो 'Set' या 'Reset' हो जाता है

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937607

Q.77 Which gauge is used for measurement of Vacuum pressure?

- A. McLeod gauge
- B. Bellows gauge
- C. Both A & B
- D. None of the above

Ans  1. A
 2. B
 3. C
 4. D

Question ID : 5834937642

Q.78 A body of mass 10 kg is travelling with uniform speed of 5 m/s. Its kinetic energy is

- A. 25 J
- B. 125 J
- C. 1250 J
- D. 1000 J

Ans ☒ 1. A

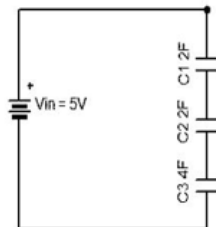
☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937659

Q.79 दिए गए परिपथ में C1, C2 तथा C3 के आर-पार की वोल्टता कितनी होगी, यदि यह पूरी तरह से आवेशित (चार्ज) हैं ?



- A. 2 V, 2 V, 1 V
- B. 1.5 V, 1.5 V, 2 V
- C. 1 V, 1 V, 3 V
- D. 3 V, 1 V, 1 V

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937595

Q.80 A 5V dc source is connected to a series combination of $100\ \Omega$ resistor and $0.2\ \mu\text{F}$ capacitor. What is the current through the circuit under steady state?

- A. 0.05 A
- B. 0.1 A
- C. 0.0 A
- D. 0.5 A

Ans ☒ 1. A

☒ 2. B

☒ 3. C

☒ 4. D

Question ID : 5834937596