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Participant ID	
Participant Name	
Test Center Name	
Test Date	29/09/2024
Test Time	1:30 PM - 3:30 PM
Subject	Engineering Assistant T and I

Section : Technical

Q.1 Which of the following statements related to monochrome TV is correct?
S1: It is also known as black and white TV.
S2: In TV sound part is frequency modulated.
S3: In TV video part is amplitude modulated.
S4: it is also known as colour TV.

Ans
✗ A. Only S1 and S2
✗ B. Only S1 and S3
✗ C. Only S2, S3 and S4
✓ D. Only S1, S2, and S3

Question ID : **630680203598**
Option 1 ID : **630680789592**
Option 2 ID : **630680789593**
Option 3 ID : **630680789591**
Option 4 ID : **630680789594**
Status : **Answered**
Chosen Option : **D**

Q.2 _____ is a measure of the rate of radio frequency energy absorption by the body from the source being used.

Ans
✗ A. Allowed Rate (AR)
✗ B. Specified Rate (SR)
✓ C. Specific Absorption Rate (SAR)
✗ D. Defined Rate (DR)

Question ID : **630680201533**
Option 1 ID : **630680781481**
Option 2 ID : **630680781480**
Option 3 ID : **630680781479**
Option 4 ID : **630680781482**
Status : **Answered**
Chosen Option : **C**

Q.3 Identify the types of filter from the graphs shown in the figures below.

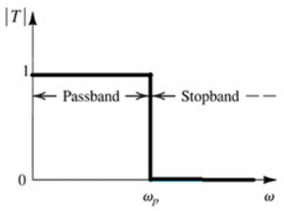


fig.(A)

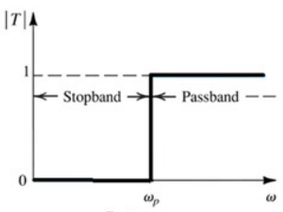


fig.(B)

Ans
✗ A. Fig (A) is high-pass filter and Fig (B) is low-pass filter.
✓ B. Fig (A) is low-pass filter and Fig (B) is high-pass filter.
✗ C. Fig (A) is high-pass filter and Fig (B) is band-pass filter.
✗ D. Fig (A) is band-pass filter and Fig (B) is low-pass filter.

Question ID : **630680311141**
Option 1 ID : **6306801210677**
Option 2 ID : **6306801210678**
Option 3 ID : **6306801210680**
Option 4 ID : **6306801210679**
Status : **Answered**
Chosen Option : **C**

Q.4 If bit duration is T_b, then at receiver, at what time instants is the output sampled?

Ans
✗ A. $2*i*T_b$, where i is an integer
✗ B. $(2*i + 1)*T_b$, where i is an integer
✗ C. 0
✓ D. $i*T_b$, where i is an integer

Question ID : **630680194860**
Option 1 ID : **630680755930**
Option 2 ID : **630680755929**
Option 3 ID : **630680755932**
Option 4 ID : **630680755931**
Status : **Answered**
Chosen Option : **D**

Q.5 If a message signal has an amplitude ranging from -m to m, what is the relation that links the step size of the uniform quantizer q to m and the number of levels L?

Ans
✗ A. $L = \frac{q}{m}$
✗ B. $L = \frac{q}{2 \times m}$
✗ C. $L = \frac{m}{q}$
✓ D. $L = 2 \times \frac{m}{q}$

Question ID : **630680333563**
Option 1 ID : **6306801297527**
Option 2 ID : **6306801297528**
Option 3 ID : **6306801297526**
Option 4 ID : **6306801297525**
Status : **Answered**
Chosen Option : **B**

Q.6 LEDs are connected to bits P1 and P2. The following 8051 C program shows the count in LED from _____.

```
#include <reg51.h>
#defined LED P2;
void main(void)
{
P1=00; //clear P1
LED=0; //clear P2
for (;;) //repeat forever
{
P1++; //increment P1
LED++; //increment P2
}
}
```

Ans
✗ A. 00 to F0H
✗ B. 00 to 0FH
✗ C. 0F to FFH
✓ D. 00 to FFH

Question ID : **630680218696**
Option 1 ID : **630680848694**
Option 2 ID : **630680848692**
Option 3 ID : **630680848693**
Option 4 ID : **630680848691**
Status : **Answered**
Chosen Option : **D**

Q.7 Input characteristics of the common-base configuration of a NPN transistor are determined by a curve drawn between the emitter current and the _____ .

Ans
✗ A. collector current and the collector base voltage
✗ B. collector current and the base current
✗ C. collector base voltage at the constant emitter base voltage
✓ D. emitter base voltage at the constant collector base voltage

Question ID : **630680201289**
Option 1 ID : **630680780505**
Option 2 ID : **630680780506**
Option 3 ID : **630680780504**
Option 4 ID : **630680780503**
Status : **Answered**
Chosen Option : **A**

Q.8 The amplification factor of FET is defined as the _____.

Ans
✓ A. product of drain resistance and transconductance
✗ B. sum of drain resistance and transconductance
✗ C. ratio of drain resistance to transconductance
✗ D. difference between drain resistance and transconductance

Question ID : **630680217870**
Option 1 ID : **630680845388**
Option 2 ID : **630680845390**
Option 3 ID : **630680845389**
Option 4 ID : **630680845387**
Status : **Answered**
Chosen Option : **B**

Q.9 The working principle of Hydraulic systems is _____.

Ans
✗ A. Boyle's law
✓ B. Pascal's law
✗ C. Fluid flow principle
✗ D. Bernoulli's principle

Question ID : **630680981705**
Option 1 ID : **6306803850624**
Option 2 ID : **6306803850625**
Option 3 ID : **6306803850623**
Option 4 ID : **6306803850622**
Status : **Answered**
Chosen Option : **C**

Q.10 The drift velocity of electrons in silicon _____ .

Ans
✗ A. is independent of the electric field

✓ B. increases linearly with the electric field at low values of the electric field and gradually saturates at higher values of the electric field

✗ C. is proportional to the electric field for all the values of the electric field

✗ D. increases at low values of the electric field and decreases at high values of the electric field, exhibiting negative differential resistance

Question ID : **630680201329**
Option 1 ID : **630680780664**
Option 2 ID : **630680780666**
Option 3 ID : **630680780663**
Option 4 ID : **630680780665**
Status : **Answered**
Chosen Option : **D**

Q.11 The Viterbi algorithm is based upon the _____ technique.

Ans
✗ A. minimum square

✗ B. maximum a posteriori probability

✗ C. maximum likelihood encoding

✓ D. maximum likelihood decoding

Question ID : **630680205293**
Option 1 ID : **630680796033**
Option 2 ID : **630680796034**
Option 3 ID : **630680796031**
Option 4 ID : **630680796032**
Status : **Answered**
Chosen Option : **C**

Q.12 For synchronous detection, what is the maximum efficiency percentage that can be achieved in 'amplitude modulation' demodulator, for tone modulation?

Ans
✗ A. 66%

✓ B. 33%

✗ C. 100%

✗ D. 50%

Question ID : **630680203981**
Option 1 ID : **630680791125**
Option 2 ID : **630680791124**
Option 3 ID : **630680791123**
Option 4 ID : **630680791126**
Status : **Answered**
Chosen Option : **D**

Q.13 The _____ of a cathode ray tube is defined as the deflection produced on the screen per volt of deflection voltage.

Ans
✓ A. deflection sensitivity

✗ B. resolution

✗ C. precision

✗ D. accuracy

Question ID : **630680205112**
Option 1 ID : **630680795313**
Option 2 ID : **630680795311**
Option 3 ID : **630680795312**
Option 4 ID : **630680795314**
Status : **Answered**
Chosen Option : **A**

Q.14 Which of the following bridges is used for the measurement of unknown capacitance?

Ans
✗ A. Wheatstone bridge
✗ B. Maxwell's bridge
✓ C. De Sauty's bridge
✗ D. Kelvin double bridge

Question ID : **630680205098**
Option 1 ID : **630680795257**
Option 2 ID : **630680795256**
Option 3 ID : **630680795255**
Option 4 ID : **630680795258**
Status : **Answered**
Chosen Option : **C**

Q.15 Which of the following statements related to TV camera tube is correct?
S1: The image orthicon depends on the principle of photoemission.
S2: The vidicon depends on the principle of photoconductivity.
S3: PIN diode is formed in the plumbicon tube.
S4: The main difference between the plumbicon and the standard vidicon is the target.

Ans
✓ A. S1, S2, S3 and S4
✗ B. Only S2 and S3
✗ C. Only S1, S2 and S4
✗ D. Only S1 and S4

Question ID : **630680203601**
Option 1 ID : **630680789606**
Option 2 ID : **630680789604**
Option 3 ID : **630680789605**
Option 4 ID : **630680789603**
Status : **Answered**
Chosen Option : **A**

Q.16 The major access techniques which are used to share the available bandwidth in wireless communication systems are _____.(Where, CDMA = Code Division Multiple Access, FDMA = Frequency Division Multiple Access, TDMA = Time Division Multiple Access and WDMA = Wavelength Division Multiple Access)

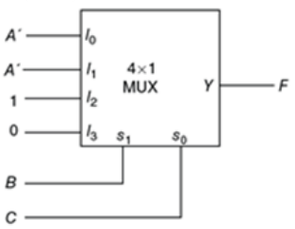
Ans
✗ A. CDMA, WDMA and TDMA
✗ B. WDMA, FDMA and TDMA
✗ C. CDMA, FDMA and WDMA
✓ D. CDMA, FDMA and TDMA

Question ID : **630680333664**
Option 1 ID : **6306801297929**
Option 2 ID : **6306801297931**
Option 3 ID : **6306801297932**
Option 4 ID : **6306801297930**
Status : **Answered**
Chosen Option : **B**

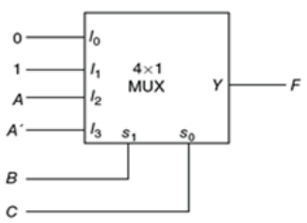
Q.17 Implement the following function using MUX taking variable (B, C) as select lines.
F (A, B, C) = ∑(1,3,5,6)

Ans

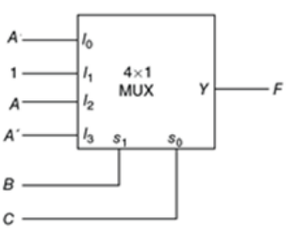
✗ A.



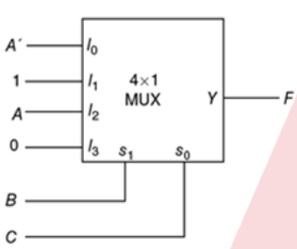
✓ B.



✗ C.



✗ D.



Question ID : **630680388666**
Option 1 ID : **6306801515128**
Option 2 ID : **6306801515129**
Option 3 ID : **6306801515126**
Option 4 ID : **6306801515127**
Status : **Answered**
Chosen Option : **D**

Q.18 In the _____ method of filter design, the power-loss ratio or magnitude of reflection coefficient is specified as a function of angular frequency.

Ans

✗ A. Elliptic type

✓ B. Insertion loss

✗ C. Chebyshev

✗ D. Maximally flat

Question ID : **630680201521**
Option 1 ID : **630680781434**
Option 2 ID : **630680781431**
Option 3 ID : **630680781433**
Option 4 ID : **630680781432**
Status : **Answered**
Chosen Option : **B**

Q.19 The correct sequence of basic steps in the xerographic process are_____ .

Ans
✗ A. document, develop, exposure, fuse and transfer
✗ B. fuse, document, exposure, transfer and develop
✗ C. fuse, document, exposure, develop and transfer
✓ D. document, exposure, develop, transfer and fuse

Question ID : 630680203590
Option 1 ID : 630680789560
Option 2 ID : 630680789561
Option 3 ID : 630680789562
Option 4 ID : 630680789559
Status : Answered
Chosen Option : B

Q.20 In variable frequency drive, the PWM (Pulse Width Modulation) inverter is used to control _____.

Ans
✗ A. frequency and power simultaneously
✗ B. voltage and power simultaneously
✓ C. frequency and voltage simultaneously
✗ D. power and speed simultaneously

Question ID : 630680981723
Option 1 ID : 6306803850750
Option 2 ID : 6306803850751
Option 3 ID : 6306803850752
Option 4 ID : 6306803850753
Status : Answered
Chosen Option : A

Q.21 The output of the following Embedded C program for Arduino Mega is _____.
void setup(){ Serial. begin(9600);}void loop(){ int I = 5; int j = 0; j = 2 + (++i); Serial. print(i);
Serial. print(j);}

Ans
✗ A. 67676767...
✓ B. 68686868....
✗ C. 86868686....
✗ D. 76767676.....

Question ID : 630680213242
Option 1 ID : 630680827016
Option 2 ID : 630680827015
Option 3 ID : 630680827017
Option 4 ID : 630680827018
Status : Answered
Chosen Option : D

Q.22 Which of the following statements regarding ring counter is/are correct?
Statement (1). A ring counter is a circular shift register with only one flip-flop being set at any particular time.
Statement (2). To design a 4-bit ring counter, it requires 4 D-type flip-flops.
Statement (3). A ring counter does not require decoding gates.

Ans
✗ A. Only statements (3) and (2) are correct.
✗ B. Only statement (3) is correct.
✗ C. Only statements (1) and (2) are correct.
✓ D. All statements (1), (2), (3) are correct.

Question ID : 630680405328
Option 1 ID : 6306801580572
Option 2 ID : 6306801580571
Option 3 ID : 6306801580570
Option 4 ID : 6306801580573
Status : Answered
Chosen Option : D

Q.23 Which of the following methods can identify a particular key pressed in the 8051 microcontroller?

Ans
✔ A. Grounding the pins of the port one after the other
✘ B. Connecting all the pins of the port to the main supply at a time
✘ C. Grounding all the pins of the port at a time
✘ D. Forming a short-circuit connection of all the pins

Question ID : **630680338674**
Option 1 ID : **6306801317350**
Option 2 ID : **6306801317351**
Option 3 ID : **6306801317349**
Option 4 ID : **6306801317352**
Status : **Answered**
Chosen Option : **C**

Q.24 Consider the following statements in regard to PLC (Programmable Logic Controllers) and select the most appropriate option.

I. The size of PLC is determined by memory unit.
II. The power required to drive the PLC is 120V AC.

Ans
✘ A. Neither I nor II is false
✘ B. Only statement I is false
✔ C. Both statements I and II are false
✘ D. Only statement II is false

Question ID : **630680981743**
Option 1 ID : **6306803850901**
Option 2 ID : **6306803850898**
Option 3 ID : **6306803850900**
Option 4 ID : **6306803850899**
Status : **Answered**
Chosen Option : **B**

Q.25 Which of the following statements is INCORRECT?

Ans
✘ A. When two primary colours are added many hues are produced.
✘ B. The colour itself is called the hue.
✘ C. Hue is one of the attributes of a colour.
✔ D. Hue does not depend on the dominant wavelength of the light.

Question ID : **630680203593**
Option 1 ID : **630680789573**
Option 2 ID : **630680789571**
Option 3 ID : **630680789574**
Option 4 ID : **630680789572**
Status : **Answered**
Chosen Option : **D**

Q.26 In μ-law non-uniform quantisation, if the message signal swings between -1 to 1 in amplitude and m(t) is 0.5, find the output y(t) after applying quantisation.

Ans
✔ A. $\ln(1+\mu/2)/\ln(1+\mu)$
✘ B. $\ln(1+\mu)/\ln(1+\mu/2)$
✘ C. $\ln(1+\mu)/\ln(1+2\mu)$
✘ D. $\ln(1+2\mu)/\ln(1+\mu)$

Question ID : **630680203998**
Option 1 ID : **630680791191**
Option 2 ID : **630680791192**
Option 3 ID : **630680791194**
Option 4 ID : **630680791193**
Status : **Answered**
Chosen Option : **B**

Q.27 The AC bridge used for the measurement of unknown capacitance by comparison of two capacitances is _____ .

Ans
✗ A. Wheatstone bridge
✗ B. Maxwell's bridge
✗ C. Kelvin double bridge
✓ D. De Sauty's bridge

Question ID : **630680205099**
Option 1 ID : **630680795259**
Option 2 ID : **630680795261**
Option 3 ID : **630680795260**
Option 4 ID : **630680795262**
Status : **Answered**
Chosen Option : **D**

Q.28 Which of the following represents bipolar alternate mark inversion encoding?

Ans
✗ A. Successive 0 bits are represented alternatively by positive and negative of equal levels and bit 1 is represented by zero level
✗ B. Bit 1 is represented by a positive level and Bit 0 is represented by a negative level of same amplitude
✗ C. Bit 1 is represented by a positive level and Bit 0 is represented by zero level
✓ D. Successive 1 bits are represented alternatively by positive and negative of equal levels and bit 0 is represented by zero level

Question ID : **630680358865**
Option 1 ID : **6306801397428**
Option 2 ID : **6306801397426**
Option 3 ID : **6306801397427**
Option 4 ID : **6306801397425**
Status : **Answered**
Chosen Option : **D**

Q.29 Match the following.

Signal	Laplace of the signal
1) $\delta(t)$	a) $\frac{1}{s-a}$
2) $u(t)$	b)1
3) $r(t)$	c)$\frac{1}{s}$
4) $e^{at}u(t)$	d)$\frac{1}{s^2}$

Ans
✗ A. 1-c,2-b,3-a,4-d
✗ B. 1-d,2-a,3-c,4-b
✓ C. 1-b,2-c,3-d,4-a
✗ D. 1-a,2-d,3-b,4-c

Question ID : **630680213859**
Option 1 ID : **630680829484**
Option 2 ID : **630680829485**
Option 3 ID : **630680829483**
Option 4 ID : **630680829486**
Status : **Answered**
Chosen Option : **A**

Q.30 In a p-n junction, the region containing uncompensated acceptor and donor ions is called _____ .

Ans
✓ A. depletion region
✗ B. active region
✗ C. neutral region
✗ D. transport zone

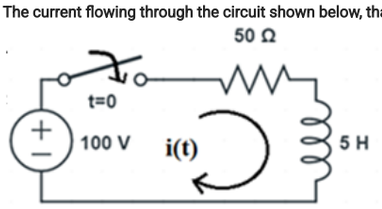
Question ID : **630680201331**
Option 1 ID : **630680780672**
Option 2 ID : **630680780674**
Option 3 ID : **630680780673**
Option 4 ID : **630680780671**
Status : **Answered**
Chosen Option : **A**

Q.31 If a graph has 'N' nodes and 'B' branches,the complete incidence matrix [A_i] has rows equal to the _____ and columns equal to the _____, respectively.

Ans
- ✗ A. number of twigs; number of links
- ✗ B. number of links; number of twigs
- ✗ C. number of branches; number of nodes
- ✓ D. number of nodes; number of branches

Question ID : **630680213854**
Option 1 ID : **630680829463**
Option 2 ID : **630680829464**
Option 3 ID : **630680829466**
Option 4 ID : **630680829465**
Status : **Answered**
Chosen Option : **D**

Q.32 The current flowing through the circuit shown below, that is i(t), is given by _____.



Ans
- ✗ A. $i = 2 * (1 - e^{-t/10})$
- ✗ B. $i = 20 * (1 - e^{-t/10})$
- ✓ C. $i = 2 * (1 - e^{-10t})$
- ✗ D. $i = 20 * (1 - e^{-10t})$

Question ID : **630680177180**
Option 1 ID : **630680686909**
Option 2 ID : **630680686911**
Option 3 ID : **630680686908**
Option 4 ID : **630680686910**
Status : **Answered**
Chosen Option : **A**

Q.33 The Laplace transform of a ramp input signal is _____.

Ans
- ✗ A. $\frac{k}{s^3}$
- ✗ B. 1
- ✗ C. $\frac{k}{s}$
- ✓ D. $\frac{k}{s^2}$

Question ID : **630680194481**
Option 1 ID : **630680754459**
Option 2 ID : **630680754460**
Option 3 ID : **630680754457**
Option 4 ID : **630680754458**
Status : **Answered**
Chosen Option : **D**

Q.34 Which of the following statements are correct regarding wideband CDMA (Code Division Multiple Access)?
S1: Wideband CDMA supports two modes, that is, FDD (Frequency Division Duplex) and TDD (Time Division Duplex) for operation.
S2: QPSK (downlink) and BPSK (uplink) are used as data modulations in wideband CDMA.
S3: The uplink band of wideband CDMA ranges between 2000 MHz and 2500 MHz.
S4: Wideband CDMA supports a chip rate of 3.84 Mbps.

Ans
✗ A. Only S3 and S4 are correct.
✓ B. Only S1, S2 and S4 are correct.
✗ C. Only S1, S2 and S3 are correct.
✗ D. Only S1 and S2 are correct.

Question ID : 630680333657
Option 1 ID : 6306801297904
Option 2 ID : 6306801297902
Option 3 ID : 6306801297903
Option 4 ID : 6306801297901
Status : Answered
Chosen Option : C

Q.35 Convolution code, in Information and coding theories, is NOT represented by _____.

Ans
✓ A. linear matrix
✗ B. state diagram
✗ C. tree diagram
✗ D. generator representation

Question ID : 630680202459
Option 1 ID : 630680785078
Option 2 ID : 630680785076
Option 3 ID : 630680785077
Option 4 ID : 630680785075
Status : Answered
Chosen Option : D

Q.36 The frame synchronisation pattern in Pulse Code Modulation (PCM) is known as _____ pattern, which repeats at a regular interval within the PCM stream.

Ans
✓ A. binary
✗ B. octal
✗ C. decimal
✗ D. hexadecimal

Question ID : 630680202426
Option 1 ID : 630680784945
Option 2 ID : 630680784944
Option 3 ID : 630680784946
Option 4 ID : 630680784943
Status : Answered
Chosen Option : A

Q.37 Which of the following statements is correct regarding the NMI (non-maskable interrupt) of 8086 Microprocessor?
a)It is a type of hardware interrupt.
b)It has higher priority than INTR.

Ans
✓ A. Both a and b
✗ B. Only b
✗ C. Only a
✗ D. Neither a nor b

Question ID : 630680218713
Option 1 ID : 630680848761
Option 2 ID : 630680848760
Option 3 ID : 630680848759
Option 4 ID : 630680848762
Status : Answered
Chosen Option : C

Q.38 Which of the following techniques is used for single crystal growth of silicon?

Ans
✔ A. Czochralski technique
✘ B. Chemical vapour deposition
✘ C. Hall effect technique
✘ D. Liquid vapour deposition

Question ID : **630680212651**
Option 1 ID : **630680824746**
Option 2 ID : **630680824743**
Option 3 ID : **630680824745**
Option 4 ID : **630680824744**
Status : **Answered**
Chosen Option : **C**

Q.39 In an IPV6 address, how many bits are used to denote each address?

Ans
✔ A. 128
✘ B. 64
✘ C. 32
✘ D. 6

Question ID : **630680333567**
Option 1 ID : **6306801297541**
Option 2 ID : **6306801297544**
Option 3 ID : **6306801297542**
Option 4 ID : **6306801297543**
Status : **Answered**
Chosen Option : **B**

Q.40 What kind of interrupt will be generated when a key of a keyboard is operated in the interrupt mode of the 8051 microcontroller?

Ans
✘ A. RESET
✘ B. T0/T1
✔ C. EX0/EX1
✘ D. ES

Question ID : **630680338675**
Option 1 ID : **6306801317356**
Option 2 ID : **6306801317355**
Option 3 ID : **6306801317354**
Option 4 ID : **6306801317353**
Status : **Answered**
Chosen Option : **C**

Q.41 Which of the following is a disadvantage of PWM?

Ans
✘ A. Distorts information while transmitting
✘ B. Reduces the quality of message transmitted
✘ C. Transmits less information
✔ D. Expends more power for no additional information

Question ID : **630680194884**
Option 1 ID : **630680756025**
Option 2 ID : **630680756027**
Option 3 ID : **630680756026**
Option 4 ID : **630680756028**
Status : **Answered**
Chosen Option : **A**

Q.42 Which of the following statements is true regarding the monolithic diode?

Ans
✔ A. This diode, used in ICs,is made by using the transistor structure.
✘ B. This diode is formed between the emitter and collector terminals.
✘ C. This diode, used in ICs,is made by using the CRO structure.
✘ D. This diode cannot be used in ICs, as it is a discrete component.

Question ID : **630680212648**
Option 1 ID : **630680824731**
Option 2 ID : **630680824733**
Option 3 ID : **630680824732**
Option 4 ID : **630680824734**
Status : **Answered**
Chosen Option : **A**

Q.43 Which of the following statements are correct regarding scattering in the mobile radio environment?
S1: It is a special case of refraction.
S2: It is caused by regular objects, such as walls with plane surfaces.
S3: It occurs when the size of the object is comparable to that of the wavelength of the propagating radio wave.
S4: It is induced only by small objects.

Ans
✗ A. Only S2, S3 and S4 are correct.
✗ B. Only S2 and S3 are correct.
✓ C. Only S1, S2 and S4 are correct.
✗ D. Only S1 and S3 are correct.

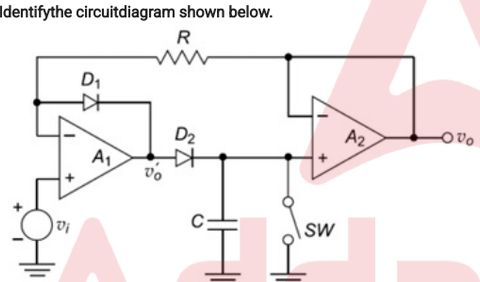
Question ID : **630680333650**
Option 1 ID : **6306801297875**
Option 2 ID : **6306801297874**
Option 3 ID : **6306801297873**
Option 4 ID : **6306801297876**
Status : **Answered**
Chosen Option : **B**

Q.44 A microwave junction is supposed to be matched at all ports if _____ in the S matrix:.

Ans
✗ A. all diagonal elements are complex
✗ B. all diagonal elements are equal but not zero
✓ C. all diagonal elements are zero
✗ D. all elements are zero

Question ID : **630680201534**
Option 1 ID : **630680781485**
Option 2 ID : **630680781483**
Option 3 ID : **630680781484**
Option 4 ID : **630680781486**
Status : **Answered**
Chosen Option : **B**

Q.45 Identifythe circuitdiagram shown below.



Ans
✗ A. Sample and hold circuit
✓ B. Peak detector
✗ C. Precision rectifier
✗ D. Integrator

Question ID : **630680212628**
Option 1 ID : **630680824652**
Option 2 ID : **630680824654**
Option 3 ID : **630680824653**
Option 4 ID : **630680824651**
Status : **Answered**
Chosen Option : **D**

Q.46 For a unity feedback system, the forward path transfer function $G(s) = \frac{20}{s(s+2)(s^2+2s+20)}$. The position error coefficient is _____.

Ans
- ✔ A. infinity
- ✘ B. zero
- ✘ C. 20
- ✘ D. 1

Question ID : **630680194479**
Option 1 ID : **630680754451**
Option 2 ID : **630680754450**
Option 3 ID : **630680754449**
Option 4 ID : **630680754452**
Status : **Answered**
Chosen Option : **A**

Q.47 Which of the following statements is/are correct regarding VoIP (Voice over Internet Protocol)?
S1: It is a technology that allows making voice calls by using a broadband internet connection.
S2: Some VoIP services work only on a special VoIP phone.
S3: VoIP uses codecs.

Ans
- ✘ A. Only S1 is correct.
- ✘ B. Only S2 and S3 are correct.
- ✘ C. Only S1 and S2 are correct.
- ✔ D. All of S1, S2 and S3 are correct.

Question ID : **630680333656**
Option 1 ID : **6306801297900**
Option 2 ID : **6306801297899**
Option 3 ID : **6306801297897**
Option 4 ID : **6306801297898**
Status : **Answered**
Chosen Option : **D**

Q.48 The acquisition of data is done on _____ quantities.

Ans
- ✔ A. both quantitative and qualitative
- ✘ B. neither quantitative nor qualitative
- ✘ C. quantitative
- ✘ D. qualitative

Question ID : **630680977622**
Option 1 ID : **6306803834556**
Option 2 ID : **6306803834557**
Option 3 ID : **6306803834554**
Option 4 ID : **6306803834555**
Status : **Answered**
Chosen Option : **B**

Q.49 Which random variable is used to model the amplitude of a wireless non line of sight channel?

Ans
- ✔ A. Rayleigh distribution
- ✘ B. Gaussian distribution
- ✘ C. Exponential distribution
- ✘ D. Rician distribution

Question ID : **630680333580**
Option 1 ID : **6306801297595**
Option 2 ID : **6306801297593**
Option 3 ID : **6306801297596**
Option 4 ID : **6306801297594**
Status : **Answered**
Chosen Option : **B**

Q.50 Which of the following laws of Boolean algebra is FALSE?

Ans
✗ A. $A.0=0$ and $A+1=1$

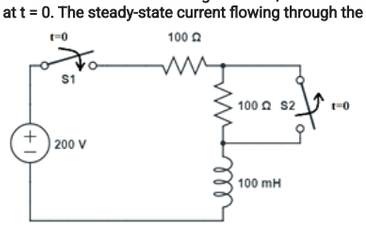
✓ B. $A.\overline{A} = 1$ and $A+\overline{A} = 1$

✗ C. $A+A=A$ and $A+0=A$

✗ D. $A.A=A$ and $A+A=A$

Question ID : **630680388645**
Option 1 ID : **6306801515044**
Option 2 ID : **6306801515043**
Option 3 ID : **6306801515045**
Option 4 ID : **6306801515042**
Status : **Answered**
Chosen Option : **B**

Q.51 For the circuit shown in the figure below, Switch s1 is closed at t = 0 and Switch s2 is opened at t = 0. The steady-state current flowing through the circuit, that is i(∞), is _____.



Ans
✗ A. 2 A

✓ B. 1 A

✗ C. 0 A

✗ D. 4 A

Question ID : **630680177173**
Option 1 ID : **630680686880**
Option 2 ID : **630680686881**
Option 3 ID : **630680686882**
Option 4 ID : **630680686883**
Status : **Answered**
Chosen Option : **D**

Q.52 The expected value of voltage across a resistor is 80 V and the measurement gives 79 V. The relative accuracy of the measured value is _____ .

Ans
✗ A. $\frac{1}{79}$

✓ B. $\frac{79}{80}$

✗ C. $\frac{80}{79}$

✗ D. $\frac{1}{80}$

Question ID : **630680205103**
Option 1 ID : **630680795278**
Option 2 ID : **630680795275**
Option 3 ID : **630680795276**
Option 4 ID : **630680795277**
Status : **Answered**
Chosen Option : **D**

Q.53 The value of the variable c after the execution of following Embedded C program is _____.
void setup() {Serial. begin(9600);}void loop(){int a = 22; int b = 42; int c = a & b; Serial.
print(c);}

Ans
✗ A. 22
✗ B. 0
✓ C. 2
✗ D. 42

Question ID : 630680213234
Option 1 ID : 630680826985
Option 2 ID : 630680826983
Option 3 ID : 630680826984
Option 4 ID : 630680826986
Status : Answered
Chosen Option : C

Q.54 Examples of donor type impurities are _____ .

Ans
✗ A. arsenic and gallium
✗ B. gallium and indium
✓ C. phosphorous and arsenic
✗ D. aluminium and arsenic

Question ID : 630680201327
Option 1 ID : 630680780656
Option 2 ID : 630680780655
Option 3 ID : 630680780658
Option 4 ID : 630680780657
Status : Answered
Chosen Option : B

Q.55 After the execution of the following Embedded C Code for Arduino Mega, _____ will be printed on the serial monitor.
void setup() { Serial. begin(9600);}void loop() { Serial. write(65);}

Ans
✗ A. 9600 repeatedly
✓ B. character having 65 as ASCII value repeatedly
✗ C. 65 repeatedly
✗ D. 65 only once

Question ID : 630680213245
Option 1 ID : 630680827029
Option 2 ID : 630680827028
Option 3 ID : 630680827027
Option 4 ID : 630680827030
Status : Answered
Chosen Option : A

Q.56 The following system is _____ .
$y(t) = x(t) - x(t - 2)$

Ans
✓ A. time invariant
✗ B. frequency variant
✗ C. time variant
✗ D. shift variant

Question ID : 630680200948
Option 1 ID : 630680779139
Option 2 ID : 630680779142
Option 3 ID : 630680779140
Option 4 ID : 630680779141
Status : Answered
Chosen Option : C

Q.57 The interaction of electron beam and RF field is continuous in which of the following microwave tubes?

Ans
✗ A. Magnetron
✓ B. Travelling wave tube
✗ C. Two cavity Klystron
✗ D. Reflex Klystron

Question ID : 630680201525
Option 1 ID : 630680781450
Option 2 ID : 630680781447
Option 3 ID : 630680781448
Option 4 ID : 630680781449
Status : Answered
Chosen Option : A

Q.58 Using Arduino for home automation applications, fans can be switched ON/OFF automatically based on room temperature using a _____.

Ans
✗ A. diode
✗ B. transformer
✓ C. relay
✗ D. direct connection

Question ID : 630680213224
Option 1 ID : 630680826945
Option 2 ID : 630680826943
Option 3 ID : 630680826944
Option 4 ID : 630680826946
Status : Answered
Chosen Option : C

Q.59 The action transfer of parts is carried out in _____ control.

Ans
✗ A. logic
✗ B. process
✓ C. sequence
✗ D. robust

Question ID : 630680981744
Option 1 ID : 6306803850902
Option 2 ID : 6306803850904
Option 3 ID : 6306803850903
Option 4 ID : 6306803850905
Status : Answered
Chosen Option : B

Q.60 The instructions NEQ, GRT, GEQ, MEQ, LIM are the examples of ____ instructions.

Ans
✗ A. data handling
✗ B. sequence
✗ C. composite
✓ D. comparison

Question ID : 630680981736
Option 1 ID : 6306803850871
Option 2 ID : 6306803850872
Option 3 ID : 6306803850870
Option 4 ID : 6306803850873
Status : Answered
Chosen Option : D

Q.61 Determine the value of the resistor of an OP-Amp-based first-order low-pass filter with the capacitor of 0.01μF and cut-off frequency of 2kHz.

Ans
✓ A. 7.95kΩ
✗ B. 17.95kΩ
✗ C. 37.95kΩ
✗ D. 27.95kΩ

Question ID : 630680212631
Option 1 ID : 630680824663
Option 2 ID : 630680824664
Option 3 ID : 630680824666
Option 4 ID : 630680824665
Status : Answered
Chosen Option : B

Q.62 The output of the following Embedded C program implemented in Arduino Mega is _____.
void setup() { Serial. begin(9600);}void loop(){ if (6+7 == 10 && 2+4== 6) { Serial. print("Hello");
} else { Serial. print("Hi"); } Serial. print("Arduino");}

Ans
✗ A. Hello Hi Arduino....
✗ B. Hello Arduino....
✓ C. Hi Arduino.....
✗ D. Hello .....

Question ID : 630680213236
Option 1 ID : 630680826994
Option 2 ID : 630680826993
Option 3 ID : 630680826992
Option 4 ID : 630680826991
Status : Answered
Chosen Option : A

Q.63 What is the maximum instantaneous frequency (in Hz) of FM signal if carrier frequency f_c = 10 kHz, $k_f = 2*\pi*2000$, $m(t) = 2*\sin(2*\pi*t)$ and the instantaneous frequency expression is $f_i = f_c + (k_f/(2*\pi))*m(t)$?

Ans
✗ A. 12 kHz
✓ B. 14 kHz
✗ C. 6 kHz
✗ D. 10 kHz

Question ID : 630680194845
Option 1 ID : 630680755869
Option 2 ID : 630680755872
Option 3 ID : 630680755870
Option 4 ID : 630680755871
Status : Answered
Chosen Option : C

Q.64 In additive Gaussian noise, Gaussian refers to its normal distribution in the time domain, with an average time domain value of _____.

Ans
✗ A. 1
✓ B. 0
✗ C. -1
✗ D. infinity

Question ID : 630680202469
Option 1 ID : 630680785116
Option 2 ID : 630680785115
Option 3 ID : 630680785117
Option 4 ID : 630680785118
Status : Answered
Chosen Option : B

Q.65 The transfer function of the inverse system of the following differential equation is _____ .

$$\frac{dy(t)}{dt} + 2y(t) = \frac{dx(t)}{dt} + x(t), \text{given that } x(0) = y(0) = 0$$

Ans
✗ A. $\frac{s+2}{s+1}$
✓ B. $\frac{s+1}{s+2}$
✗ C. $\frac{s+1}{s}$
✗ D. $\frac{s-1}{s-2}$

Question ID : 630680200952
Option 1 ID : 630680779155
Option 2 ID : 630680779156
Option 3 ID : 630680779157
Option 4 ID : 630680779158
Status : Answered
Chosen Option : B

Q.66 Which of the following instruments is the most accurate for DC measurements?

Ans
✔ A. Permanent magnet moving coil
✘ B. Electro dynamo type
✘ C. Moving iron type
✘ D. Thermoelectric type

Question ID : 630680205110
Option 1 ID : 630680795306
Option 2 ID : 630680795305
Option 3 ID : 630680795303
Option 4 ID : 630680795304
Status : Answered
Chosen Option : A

Q.67 Popularisation of mobile phones made _____ of the human body as a main source of exposure to radiation.

Ans
✔ A. brain
✘ B. legs
✘ C. spinal cord
✘ D. hands

Question ID : 630680201532
Option 1 ID : 630680781478
Option 2 ID : 630680781475
Option 3 ID : 630680781477
Option 4 ID : 630680781476
Status : Answered
Chosen Option : A

Q.68 The first block of a digital camera is _____ .

Ans
✘ A. signal processing
✘ B. image sensor
✘ C. automatic gain control
✔ D. lens

Question ID : 630680203587
Option 1 ID : 630680789550
Option 2 ID : 630680789548
Option 3 ID : 630680789549
Option 4 ID : 630680789547
Status : Answered
Chosen Option : B

Q.69 As per cellular concepts, if cluster size N = 4 is being used, then the frequency reuse factor will be _____.

Ans
✔ A. 0.25
✘ B. 0.33
✘ C. 0.50
✘ D. 0.80

Question ID : 630680333651
Option 1 ID : 6306801297878
Option 2 ID : 6306801297879
Option 3 ID : 6306801297880
Option 4 ID : 6306801297877
Status : Answered
Chosen Option : A

Q.70 The process of data transfer In PISO shift register is that:

Ans
✔ A. data bits are entered simultaneously and data bits are transferred out of the register serially

✘ B. data bits are entered bit by bit basis on one line and data bits are transferred out of the register serially

✘ C. data bits are entered serially and data bits are transferred out of the register serially

✘ D. data bits are entered simultaneously and data bits are transferred out of the register parallelly

Question ID : 630680333740
Option 1 ID : 6306801298233
Option 2 ID : 6306801298234
Option 3 ID : 6306801298236
Option 4 ID : 6306801298235
Status : Answered
Chosen Option : D

Q.71 Which of the following sentences is correct about the LM35 sensor Interfacing?

Ans
✘ A. Its output voltage is directly proportional to the Kelvin scale.

✔ B. Its output voltage is directly proportional to the Celsius scale.

✘ C. It cannot be used as a temperature sensor.

✘ D. Its output voltage is directly proportional to the Fahrenheit scale.

Question ID : 630680219129
Option 1 ID : 630680850417
Option 2 ID : 630680850415
Option 3 ID : 630680850418
Option 4 ID : 630680850416
Status : Answered
Chosen Option : C

Q.72 A system with an open-loop transfer function is $\frac{k(s-1)}{s(s+1)(s-3)}$. Which of the following options is correct about this system?

Ans
✘ A. Zeros are 0, 1, −3 and pole is −1

✘ B. Zero is 1 and poles are 0, 1, 3

✔ C. Zero is 1 and poles are 0, −1, 3

✘ D. Zeros are 0, −1, 3 and pole is 1

Question ID : 630680194472
Option 1 ID : 630680754424
Option 2 ID : 630680754421
Option 3 ID : 630680754422
Option 4 ID : 630680754423
Status : Answered
Chosen Option : C

Q.73 What is the maximum transmission bandwidth required in ASK modulation to transmit Rb bits/second?

Ans
✔ A. 2∗Rb

✘ B. Rb

✘ C. 4∗Rb

✘ D. Rb/2

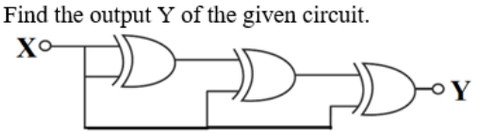
Question ID : 630680203987
Option 1 ID : 630680791150
Option 2 ID : 630680791147
Option 3 ID : 630680791148
Option 4 ID : 630680791149
Status : Answered
Chosen Option : B

Q.74 Let us assume that a magnetic tape can hold 7200 megabytes. This magnetic tape is delivered to a location that is one hour away. What is the effective data rate?

Ans
✔ A. 2 mega-bytes per second
✘ B. 7200 mega-bytes per second
✘ C. 120 mega-bytes per second
✘ D. 3600 mega-bytes per second

Question ID : **630680333572**
Option 1 ID : **6306801297563**
Option 2 ID : **6306801297561**
Option 3 ID : **6306801297564**
Option 4 ID : **6306801297562**
Status : **Answered**
Chosen Option : **B**

Q.75 Find the output Y of the given circuit.



Ans
✘ A. 1
✘ B. X
✘ C. $\bar{X}$
✔ D. 0

Question ID : **630680388667**
Option 1 ID : **6306801515132**
Option 2 ID : **6306801515130**
Option 3 ID : **6306801515131**
Option 4 ID : **6306801515133**
Status : **Answered**
Chosen Option : **C**

Section : Numerical Ability

Q.76 The average of 6 results is 50 and that of the first 5 is 49. The 6th result is?

Ans
✘ A. 49
✔ B. 55
✘ C. 50
✘ D. 54

Question ID : **630680573317**
Option 1 ID : **6306802242138**
Option 2 ID : **6306802242136**
Option 3 ID : **6306802242137**
Option 4 ID : **6306802242139**
Status : **Answered**
Chosen Option : **B**

Q.77 If the mean proportional of Y and 108 is 162, then find the value of Y.

Ans
✘ A. 244
✘ B. 242
✘ C. 245
✔ D. 243

Question ID : **6306801063117**
Option 1 ID : **6306804174829**
Option 2 ID : **6306804174830**
Option 3 ID : **6306804174828**
Option 4 ID : **6306804174827**
Status : **Answered**
Chosen Option : **A**

Q.78 कितनी अवधि में (वर्षों में) ₹1800 पर 5% वार्षिक ब्याज दर पर ₹720 का साधारण ब्याज मिलेगा?

Ans
✗ A. 9
✗ B. 16
✗ C. 7
✓ D. 8

Question ID : **630680612220**
Option 1 ID : **6306802395614**
Option 2 ID : **6306802395613**
Option 3 ID : **6306802395615**
Option 4 ID : **6306802395612**
Status : **Answered**
Chosen Option : **D**

Q.79 If $(x^2 + y^2 + z^2) = 276$ and $(xy + yz + zx) = 24$, then what is the positive value of $(x + y + z)$?

Ans
✗ A. 20
✗ B. 17
✓ C. 18
✗ D. 16

Question ID : **630680517623**
Option 1 ID : **6306802022891**
Option 2 ID : **6306802022888**
Option 3 ID : **6306802022890**
Option 4 ID : **6306802022889**
Status : **Answered**
Chosen Option : **C**

Q.80 100 apples were bought at ₹1200 per hundred and were sold at a profit of ₹825. Find the selling price (in ₹) per dozen of apples.

Ans
✗ A. 253
✗ B. 238
✗ C. 248
✓ D. 243

Question ID : **630680907472**
Option 1 ID : **6306803554989**
Option 2 ID : **6306803554987**
Option 3 ID : **6306803554988**
Option 4 ID : **6306803554986**
Status : **Answered**
Chosen Option : **C**

Q.81 एक मालगाड़ी और एक सुपरफास्ट रेलगाड़ी क्रमशः स्टेशन A और स्टेशन B से समानांतर पटरियों पर एक-दूसरे की ओर एक ही समय पर चलना शुरू करती हैं। यदि स्टेशन A और स्टेशन B के बीच की दूरी 152 km है और रेलगाड़ियाँ क्रमशः 32 km/h और 44 km/h की चाल से चल रही हैं, तो रेलगाड़ियाँ स्टेशन B से कितनी दूरी (km में) पर मिलेंगी?

Ans
✓ A. 88
✗ B. 80
✗ C. 84
✗ D. 77

Question ID : **630680894698**
Option 1 ID : **6306803504809**
Option 2 ID : **6306803504812**
Option 3 ID : **6306803504810**
Option 4 ID : **6306803504811**
Status : **Answered**
Chosen Option : **A**

Q.82 चार वर्ष पहले, पिता की आयु और उसके पुत्र की आयु का अनुपात 8 : 5 था। पाँच वर्ष बाद उनकी आयु का अनुपात 3 : 2 होगा। अब पिता की आयु (वर्ष में) कितनी है?

Ans
✗ A. 78
✓ B. 76
✗ C. 74
✗ D. 72

Question ID : 630680404183
Option 1 ID : 6306801576245
Option 2 ID : 6306801576244
Option 3 ID : 6306801576243
Option 4 ID : 6306801576242
Status : Answered
Chosen Option : A

Q.83 The sum of 6 numbers is 696. Find their average.

Ans
✗ A. 114
✗ B. 117
✓ C. 116
✗ D. 115

Question ID : 630680551909
Option 1 ID : 6306802157864
Option 2 ID : 6306802157863
Option 3 ID : 6306802157861
Option 4 ID : 6306802157862
Status : Answered
Chosen Option : C

Q.84 ₹8715 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 2 : 3, 4 : 5 and 6 : 7 respectively. The share of A (in ₹) is

Ans
✗ A. 1268
✗ B. 1298
✗ C. 1368
✓ D. 1328

Question ID : 6306801063106
Option 1 ID : 6306804174784
Option 2 ID : 6306804174786
Option 3 ID : 6306804174785
Option 4 ID : 6306804174783
Status : Answered
Chosen Option : B

Q.85 25 के $\frac{1}{5}$ से 55 का 60% कितना अधिक है?

Ans
✓ A. 28
✗ B. 26
✗ C. 25
✗ D. 22

Question ID : 630680572708
Option 1 ID : 6306802239700
Option 2 ID : 6306802239703
Option 3 ID : 6306802239701
Option 4 ID : 6306802239702
Status : Answered
Chosen Option : A

Q.86 The HCF and the LCM of two numbers are 54 and 324, respectively. If one of the numbers is $\frac{3}{2}$ times of the other, what is the

Ans
- ✗ A. 211
- ✓ B. 162
- ✗ C. 198
- ✗ D. 172

Question ID : 6306807987
Option 1 ID : 6306803129
Option 2 ID : 6306803129
Option 3 ID : 6306803129
Option 4 ID : 6306803129
Status : Answered
Chosen Option : B

Q.87 Rodney can do a piece of work in 12 hours. Amit can do it in 48 hours. With the assistance of Gopal, they completed the work in 6 hours. In how many hours can Gopal alone do thrice the same work?

Ans
- ✗ A. 49
- ✗ B. 50
- ✗ C. 47
- ✓ D. 48

Question ID : 630680915311
Option 1 ID : 6306803586290
Option 2 ID : 6306803586291
Option 3 ID : 6306803586289
Option 4 ID : 6306803586288
Status : Answered
Chosen Option : D

Q.88 Pipes A and B can fill a tank in 30 min and 40 min, respectively. Pipe C can empty it in x min. If all the three pipes are opened together, then the tank will be filled in 24 min. Find x.

Ans
- ✗ A. 65
- ✓ B. 60
- ✗ C. 40
- ✗ D. 25

Question ID : 630680135950
Option 1 ID : 630680526508
Option 2 ID : 630680526509
Option 3 ID : 630680526507
Option 4 ID : 630680526506
Status : Answered
Chosen Option : B

Q.89 Which of the following numbers is divisible by 11?

Ans
- ✗ A. 768452
- ✗ B. 674852
- ✓ C. 764852
- ✗ D. 764825

Question ID : 63068070942
Option 1 ID : 630680274379
Option 2 ID : 630680274378
Option 3 ID : 630680274380
Option 4 ID : 630680274381
Status : Answered
Chosen Option : C

Q.90 The marked price of an article is ₹336 and successive discounts of 27% and 12% are offered on its sale. The selling price (rounded off to 2 decimal places) of the article is:

Ans
✗ A. ₹220.29
✓ B. ₹215.85
✗ C. ₹213.7
✗ D. ₹220.63

Question ID : 630680796432
Option 1 ID : 6306803120718
Option 2 ID : 6306803120716
Option 3 ID : 6306803120717
Option 4 ID : 6306803120719
Status : Answered
Chosen Option : D

Section : General Awareness

Q.91 Where were the Under-15 and Under-20 National Championships held in 2024?

Ans
✓ A. Punjab (Patiala)
✗ B. Uttar Pradesh (Lucknow)
✗ C. Haryana (Karnal)
✗ D. Maharashtra (Pune)

Question ID : 630680965478
Option 1 ID : 6306803786412
Option 2 ID : 6306803786415
Option 3 ID : 6306803786414
Option 4 ID : 6306803786413
Status : Answered
Chosen Option : D

Q.92 Which of the following is NOT grouped under 'Empowered Action Group' (EAG) states?

Ans
✗ A. Bihar
✗ B. Uttar Pradesh
✗ C. Uttarakhand
✓ D. Assam

Question ID : 630680113515
Option 1 ID : 630680439596
Option 2 ID : 630680439594
Option 3 ID : 630680439595
Option 4 ID : 630680439597
Status : Answered
Chosen Option : D

Q.93 Cladophora is one of the most common and distinctive species of which division of the plant kingdom?

Ans
✗ A. Spermatophyta
✗ B. Pteridophyta
✓ C. Thallophyta
✗ D. Bryophyta

Question ID : 630680996626
Option 1 ID : 6306803910238
Option 2 ID : 6306803910239
Option 3 ID : 6306803910236
Option 4 ID : 6306803910237
Status : Answered
Chosen Option : A

Q.94 Which river basin, located at the northern end of the Deccan Plateau, covers large areas of the states of Madhya Pradesh and Gujarat and a comparatively smaller area of Maharashtra and Chhattisgarh?

Ans
✗ A. Luni
✓ B. Narmada
✗ C. Kaveri
✗ D. Godavari

Question ID : 630680996659
Option 1 ID : 6306803910369
Option 2 ID : 6306803910371
Option 3 ID : 6306803910368
Option 4 ID : 6306803910370
Status : Answered
Chosen Option : D

Q.95 The Kuka Movement was the first major reaction of the people in _____ to the new political order initiated by the British after 1849.

Ans
✓ A. Punjab
✗ B. Uttar Pradesh
✗ C. Assam
✗ D. Goa

Question ID : 630680958322
Option 1 ID : 6306803757317
Option 2 ID : 6306803757316
Option 3 ID : 6306803757314
Option 4 ID : 6306803757315
Status : Answered
Chosen Option : A

Q.96 Which of the following legal provisions were NOT identified by the Verma committee for the implementation of the Fundamental Duties?

Ans
✗ A. The Unlawful Activities Act, 1967
✗ B. The Protection of Civil Rights Act, 1955
✓ C. The Forest Rights Act, 2000
✗ D. The Prevention of Insults to National Honour Act, 1971

Question ID : 630680945118
Option 1 ID : 6306803705235
Option 2 ID : 6306803705236
Option 3 ID : 6306803705237
Option 4 ID : 6306803705234
Status : Answered
Chosen Option : D

Q.97 कौन-सी पर्यावरणीय समस्या, पहाड़ी क्षेत्रों में सड़कों के निर्माण और मानव बस्तियों से संबंधित है?

Ans
✗ A. वायु प्रदूषण
✓ B. भूस्खलन
✗ C. अम्लीय वर्षा
✗ D. मरुस्थलीकरण

Question ID : 630680965664
Option 1 ID : 6306803787155
Option 2 ID : 6306803787156
Option 3 ID : 6306803787158
Option 4 ID : 6306803787157
Status : Answered
Chosen Option : B

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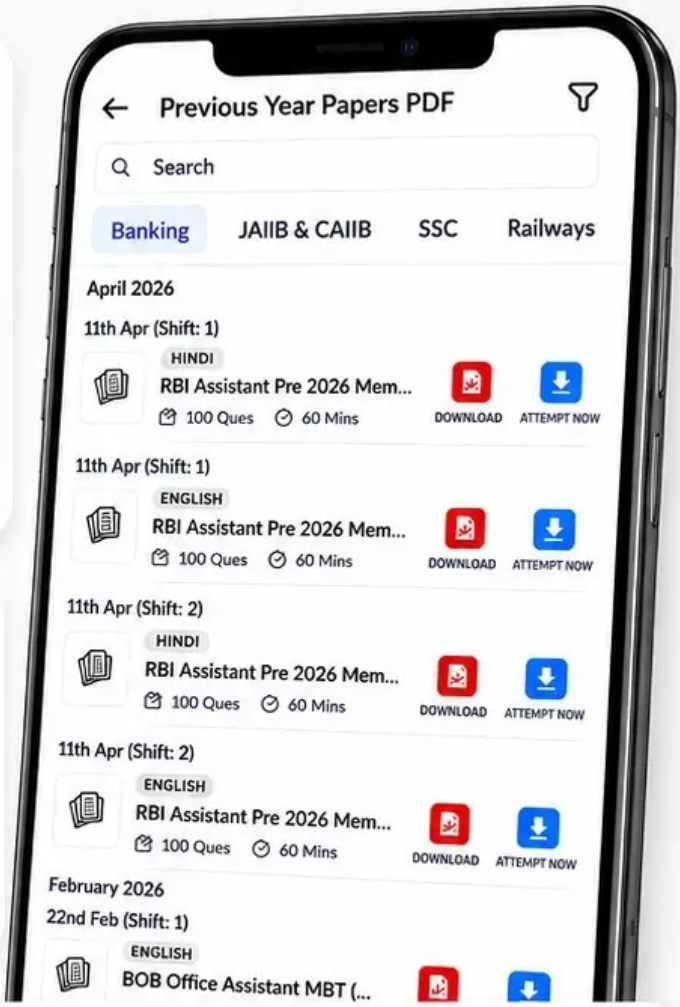

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Arpita, JENPAS


Shital, SSC JE (Mech)


Nancy, UGC NET


Atul, SSC JE (ELCT)


Rahul, SSC JE (CIVIL)


Anand, SSC JE (ELCT)


Mohan, SSC JE (ELCT)


Saurabh, UGC NET


Ved, SSC JE (Mech)

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Q.98 राज्य मुख्य सूचना आयुक्त और सूचना आयुक्त, _____ द्वारा निर्धारित अवधि के लिए पद धारण करेंगे।

Ans
✗ A. राज्य सरकार
✓ B. केंद्र सरकार
✗ C. राज्यपाल
✗ D. उच्चतम न्यायालय

Question ID : **630680945851**
Option 1 ID : **6306803708159**
Option 2 ID : **6306803708160**
Option 3 ID : **6306803708158**
Option 4 ID : **6306803708161**
Status : **Answered**
Chosen Option : **A**

Q.99 Which of the following Articles of the Indian Constitution made provisions for the Official language for communication between one State and another or between a State and the Union?

Ans
✗ A. 348
✗ B. 349
✓ C. 346
✗ D. 350

Question ID : **630680944770**
Option 1 ID : **6306803703873**
Option 2 ID : **6306803703874**
Option 3 ID : **6306803703871**
Option 4 ID : **6306803703872**
Status : **Answered**
Chosen Option : **B**

Q.100 India launched the GSAT-20 communication satellite in the year 2024. For this mission, which of the following launch vehicles was used?

Ans
✗ A. PSLV-C51
✗ B. GSLV Mk III
✓ C. SpaceX's Falcon-9
✗ D. GSLV-F10

Question ID : **630680965484**
Option 1 ID : **6306803786439**
Option 2 ID : **6306803786438**
Option 3 ID : **6306803786436**
Option 4 ID : **6306803786437**
Status : **Answered**
Chosen Option : **D**