

FINAL ANSWER KEY

Question Paper Code:	98/2017/OL
Category Code:	472/2016
Exam:	Lecturer in Electronics Engineering(NCA)
Medium of Question:	English
Date of Test	27-12-2017
Department	Technical Education
Alphacode	A

Question1:-Who launched Kudumbasree programmes in Kerala ?

- A:-A.B. Vajpaye
 - B:-Man Mohan Singh
 - C:-Rajeev Gandhi
 - D:-Narendra Modi
- Correct Answer:- Option-A

Question2:-Which governor General of India was responsible for the appointment of Hunter Commission , the first Indian Education Commission of `3^(rd)` February 1882 ?

- A:-Lord Lytton
 - B:-Lord Macaulay
 - C:-Lord Rippon
 - D:-Lord Curzon
- Correct Answer:- Option-C

Question3:-Who established "Prathyaksha Raksha Daiva Sabha" on 1909 ?

- A:-Pandit K.P. Karuppayyan
 - B:-Poikayil Yohannan
 - C:-Ayya Vaikunder
 - D:-Ayyankali
- Correct Answer:- Option-B

Question4:-Which Travancore ruler proclaimed the historic temple entry proclamation on 1936 ?

- A:-Sri Moolam Thirunal Marthanda Varma
 - B:-Uthradom Thirunal Marthanda Varma
 - C:-Sethu Lakshmi Bai
 - D:-Shri Chithirathirunal Balarama Varma
- Correct Answer:- Option-D

Question5:-Who was the 'Father of Malayalam Journalism' ?

- A:-Kesari Balakrishna Pillai
 - B:-Chengulathu Kunjirama Menon
 - C:-Kandathil Varghese Mappila
 - D:-T. Shiva Sankar
- Correct Answer:- Option-B

Question6:-Who is known as 'Kerala Kalidasan' ?

- A:-Thunchathu Ezhuthachhan
 - B:-S.K. Pottekkatt
 - C:-Kodungalloor Kunjikuttan Thampuran
 - D:-Kerala Varma Valiya Koil Thampuran
- Correct Answer:- Option-D

Question7:-Who was the founder and editor of the journal called 'Shreemathi' ?

- A:-Lalithambika Antharjanam
 - B:-Anna Chandi
 - C:-Akkamma Cheriyan
 - D:-Arya Pallam
- Correct Answer:- Option-B

Question8:-Who wrote the biography 'Kanneerum Kinavum' ?

- A:-E.M.S. Namboodirippad
 - B:-K.P. Kesava Menon
 - C:-Kumaranasan
 - D:-V.T. Bhattathirippad
- Correct Answer:- Option-D

Question9:-Who was famous for his quotation "The whole universe is one mind between mind and mind there is no vacuum" ?

- A:-Sree Narayana Guru
 - B:-Chattampi Swamikal
 - C:-Swami Vagbhadananda
 - D:-Ayya Vaikunder
- Correct Answer:- Option-B

Question10:-Which was the highest literacy award in Kerala ?

- A:-Odakuzhal Award
 - B:-Jnanpith Award
 - C:-Vallathol Award
 - D:-Ezhuthachan Award
- Correct Answer:- Option-D

Question11:-If $[[x-y,z],[2x-y,w]] = [[-1,4],[0,5]]$, the value of $(x+y)/(z-w)$ is

- A:-3/2
 - B:-3
 - C:-3
 - D:-2
- Correct Answer:- Option-C

$$\begin{vmatrix} 2 & -3 & 5 \\ 6 & 0 & 4 \\ 1 & 5 & -7 \end{vmatrix}$$

Question12:-If $A_{(ij)}$ is the co-factor of the element $a_{(ij)}$ of the determinant value of $a_{(32)}$ $A_{(32)}$ is

- A:-110
 - B:-110
 - C:-22
 - D:-22
- Correct Answer:- Option-A

Question13:-The 4th term of $(3x - \frac{1}{3x})^6$ is

- A:-20
 - B:-20
 - C:-20x
 - D:- $\frac{20}{x}$
- Correct Answer:- Option-B

Question14:-If $A + B = 45^\circ$ then $(1 + \tan A)(1 + \tan B)$ is

- A:-1
 - B:-3
 - C:-1
 - D:-2
- Correct Answer:- Option-D

Question15:-The acute angle between the lines $3x + y - 7 = 0$ and $x + 2y + 9 = 0$ is

- A:- 45°
 - B:- 30°
 - C:- 60°
 - D:- 75°
- Correct Answer:- Option-A

Question16:- $\lim_{x \rightarrow 2} \frac{x\sqrt{x} - 2\sqrt{2}}{x-2}$ is

- A:- $\frac{-3}{\sqrt{2}}$
 - B:- $\frac{3}{\sqrt{2}}$
 - C:- $\frac{\sqrt{3}}{2}$
 - D:- $\frac{\sqrt{2}}{3}$
- Correct Answer:- Option-B

Question17:-The equation of the normal to the curve $x=2t, y=\frac{2}{t}$ at $t = 1$ is

- A:- $x = y$
- B:- $x + y = 0$
- C:- $x + y = 4$
- D:- $x - y = 4$

Correct Answer:- Option-A

Question18:- $\int \frac{2x^4}{(1+x^{10})} dx$ is

- A:- $\frac{2}{5} \cot^{-1}(x^5) + c$
- B:- $\frac{2}{5} \sin^{-1}(x^5) + c$
- C:- $\frac{2}{5} \tan^{-1}(x^5) + c$
- D:- $\frac{2}{7} \log(1+x^{10}) + c$

Correct Answer:- Option-C

Question19:- The area included between one arch of the curve $y = \sin x$ and the x-axis is

- A:-2
- B:-2
- C:-0
- D:-1

Correct Answer:- Option-B

Question20:- The solution of $\frac{dy}{dx} + \frac{2x}{(1+x^2)} y = \frac{1}{(1+x^2)}$ is

- A:- $y = x^2 + 1 + c$
- B:- $y = \frac{c}{x^2 + 1}$
- C:- $y = \tan^{-1} x + c$
- D:- $y = \frac{x+c}{(1+x^2)}$

Correct Answer:- Option-D

Question21:- _____ amplifier is commonly used as a frequency multiplier.

- A:- Class A
- B:- Class B
- C:- Class C
- D:- All of the above

Correct Answer:- Option-C

Question22:- Removing bypass capacitor across the emitter-leg resistor in a CE amplifier causes

- A:- Increase in current gain
- B:- Decrease in current gain
- C:- Increase in voltage gain
- D:- Decrease in voltage gain

Correct Answer:- Option-D

Question23:- If the maximum collector current due to signal alone is 3mA, then zero signal collector current should be at least equal to

- A:- 6mA
- B:- 2mA
- C:- 3mA
- D:- 1mA

Correct Answer:- Option-C

Question24:- In a multistage amplifier, the overall frequency response is determined by the

- A:- Frequency response of each stage depending on the relationships of the critical frequencies
- B:- Frequency response of the first amplifier
- C:- Frequency response of the last amplifier
- D:- Lower critical frequency of the first amplifier and the upper critical frequency of the final amplifier

Correct Answer:- Option-A

Question25:- Halving the power corresponds to a _____ dB _____

- A:- 10, decrease
- B:- 3, decrease
- C:- 3, increase
- D:- 10, increase

Correct Answer:- Option-B

Question26:- If negative feedback is introduced in amplifiers with shunt current configuration, the input resistance will

- A:- Increase
- B:- Remains the same
- C:- Increase, decrease or remains the same depending on input
- D:- Decrease

Correct Answer:- Option-D

Question27:- Pinch-off voltage V_p for an FET is the drain voltage at which

- A:- Significant drain current starts flowing

- B:-Drain current becomes zero
 - C:-All free charges get removed from the channel
 - D:-Avalanche break down takes place
- Correct Answer:- Option-C

Question28:-Compared to bipolar transistor, a JFET has

- A:-Higher input impedance and low voltage gain
- B:-Lower input impedance and high voltage gain
- C:-Higher input impedance and high voltage gain
- D:-Lower input impedance and low voltage gain

Correct Answer:- Option-A

Question29:-Class AB operation is _____ operation.

- A:-similar to class A
- B:-similar to class B
- C:-similar to class C
- D:-none of the above

Correct Answer:- Option-D

Question30:-The ripple factor of a full-wave rectifier circuit compared to that of a half wave rectifier circuit without filter is

- A:-Half of that for a half wave rectifier
- B:-Less than half that for a half-wave rectifier circuit
- C:-Equal to that of a half wave rectifier
- D:-None of the above

Correct Answer:- Option-B

Question31:-A capacitor is fully charged when

- A:-The voltage across its plates is half of the voltage from ground to one of its plates
- B:-The current through the capacitor is the same as when the capacitor is discharged
- C:-The voltage across the plates is 0.707 of the input voltage
- D:-The current through the capacitor is directly proportional to the area of the plates

Correct Answer:- Option-B

Question32:-The saturation condition of transistor implies that

- A:-Collector current has highest possible value
- B:-Entire V_{cc} gets dropped across load resistor
- C:-It acts as a closed switch with negligible value of resistance
- D:-All of the above

Correct Answer:- Option-D

Question33:-The output of a particular Op-amp increases 8V in $12 \mu s$. The slew rate is

- A:-90 $V/\mu s$
- B:-0.67 $V/\mu s$
- C:-1.5 $V/\mu s$
- D:-None of these

Correct Answer:- Option-B

Question34:-With zero volts on both inputs, an Op-amp ideally should have an output

- A:-Equal to the positive supply voltage
- B:-Equal to the negative supply voltage
- C:-Equal to zero
- D:-Equal to CMRR

Correct Answer:- Option-C

Question35:-Determine the output resistance of differential amplifier with three op-amp. The op-amp used in 741c, with $A = 200000$ and $R_o(0)$. The output and difference of input voltages are 44 and 11.

- A:-5.5 $M\Omega$
- B:-3.5 $M\Omega$
- C:-2.4 $M\Omega$
- D:-1.5 $M\Omega$

Correct Answer:- Option-D

Question36:-The bandwidth of the differential amplifier increases, if the value of

- A:-Open Loop Voltage Gain Decreases
- B:-Closed Loop Voltage Gain Decreases
- C:-Differential Voltage Gain Decreases
- D:-All of the above

Correct Answer:- Option-B

Question37:-If the gain of a non-inverting averaging amplifier is one. Determine the input voltages, if the output voltage is 3v

- A:- $V_1 = 6v$, $V_2 = 3v$ and $V_3 = 2v$
 - B:- $V_1 = 9v$, $V_2 = 5v$ and $V_3 = -4v$
 - C:- $V_1 = 8v$, $V_2 = -6v$ and $V_3 = 1v$
 - D:- $V_1 = 7v$, $V_2 = 4v$ and $V_3 = -3v$
- Correct Answer:- Option-D

Question38:-In differential op-amp configuration a subtractor is called as

- A:-Scaling amplifier
 - B:-All of the mentioned
 - C:-Summing amplifier
 - D:-Difference amplifier
- Correct Answer:- Option-A

Question39:-An ideal operational amplifier has

- A:-Infinite output impedance
 - B:-Zero input impedance
 - C:-Infinite bandwidth
 - D:-All of the above
- Correct Answer:- Option-C

Question40:-How the op-amp comparator should be chosen to get higher speed of operation ?

- A:-Wider bandwidth
 - B:-High slew rate
 - C:-Large gain
 - D:-None of the above
- Correct Answer:- Option-A

Question41:-The gain of the first order low pass filter

- A:-Increases at the rate 20dB/decade
 - B:-Increases at the rate 40 dB/decade
 - C:-Decreases at the rate 20dB/decade
 - D:-Decreases at the rate 40dB/decade
- Correct Answer:- Option-C

Question42:-The poles of the transfer function of normalized low pass butter worth filter exists

- A:-On unit circle
 - B:-Outside unit circle
 - C:-Inside unit circle
 - D:-None of the mentioned
- Correct Answer:- Option-A

Question43:-A stable multivibrator operating at 150 Hz has a discharge time of 2.5 ms. The duty cycle of the circuit is

- A:-50%
 - B:-75%
 - C:-95.99%
 - D:-37.5%
- Correct Answer:- Option-D

Question44:-Calculate the output frequency in a frequency multiplier if, $f_{in} = 200$ Hz is applied to a 7 divide by N-network.

- A:-1.2 kHz
 - B:-1.6 kHz
 - C:-1.4 kHz
 - D:-1.9 kHz
- Correct Answer:- Option-C

Question45:-Convert binary 111111110010 to hexadecimal

- A:- $E2_{(16)}$
 - B:- $FF2_{(16)}$
 - C:- $2FE_{(16)}$
 - D:- $FD2_{(16)}$
- Correct Answer:- Option-B

Question46:-Which gate is best used as a basic comparator ?

- A:-NOR
- B:-OR
- C:-AND

D:-Exclusive-OR

Correct Answer:- Option-D

Question47:-A decoder can be used as a demultiplexer by

A:-tying all enable pins LOW

B:-tying all data-select lines LOW

C:-tying all data-select lines HIGH

D:-using the input lines for data selection and an enable line for data input

Correct Answer:- Option-D

Question48:-A binary code that progresses such that only one bit changes between two successive codes is

A:-Gray code

B:-8421 code

C:-Excess-3 code

D:-nine's-complement code

Correct Answer:- Option-A

Question49:-A MOD-16 ripple counter is holding the count `1001₍₂₎` . What will the count be after 31 clock pulses.

A:-`1000₍₂₎`

B:-`1010₍₂₎`

C:-`1011₍₂₎`

D:-`1101₍₂₎`

Correct Answer:- Option-A

Question50:-Select the statement that best describes Read-Only Memory (ROM).

A:-Non-volatile, used to store information that changes during system operation

B:-Non-volatile, used to store information that does not change during system operation

C:-Volatile, used to store information that changes during system operation

D:-Volatile, used to store information that does not change during system operation

Correct Answer:- Option-B

Question51:-Which of the following logic families has the shortest propagation delay ?

A:-CMOS

B:-BiCMOS

C:-ECL

D:-TTL

Correct Answer:- Option-C

Question52:-A binary input 000 is fed to a 3 bit DAC/ADC. The resultant output is 101. Find the type of error ?

A:-Offset error

B:-Gain error

C:-Settling error

D:-Linearity error

Correct Answer:- Option-A

Question53:-The transmit buffer of serial data buffer is a

A:-Serial-in parallel-out register

B:-Parallel-in serial-out register

C:-Serial-in serial-out register

D:-Parallel-in parallel-out register

Correct Answer:- Option-B

Question54:-The register that provides control and status information about serial port is

A:-IP

B:-IE

C:-PCON and SCON

D:-TSCON

Correct Answer:- Option-C

Question55:-The instruction that performs logical AND operation and the result of the operation is not available is

A:-AAA

B:-AND

C:-XOR

D:-TEST

Correct Answer:- Option-D

Question56:-Which instruction cannot force the 8086 processor out of 'halt' state ?

A:-Hold

B:-Reset

- C:-Interrupt request
 - D:-Both interrupt request and reset
- Correct Answer:- Option-A

Question57:-What is the carrier frequency in an AM wave when its highest frequency component is 850 Hz and the bandwidth of the signal is 50 Hz ?

- A:-80 Hz
- B:-695 Hz
- C:-625 Hz
- D:-825 Hz

Correct Answer:- Option-D

Question58:-A 100 MHz carrier is frequency modulated by 10 KHz wave. For a frequency deviation of 50 KHz, calculate the modulation index of the FM signal.

- A:-100
- B:-50
- C:-70
- D:-90

Correct Answer:- Option-B

Question59:-After passing the FM signal through mixer, what is the change in the frequency deviation Δ when the modulating frequency is doubled ?

- A:-Becomes 2Δ
- B:-Becomes $\Delta/2$

- C:-Becomes Δ^2
- D:-Remains unchanged

Correct Answer:- Option-D

Question60:-Pre emphasis is done

- A:-For boosting of modulating signal voltage
- B:-For modulating signals at higher frequencies
- C:-In FM before modulation
- D:-All of the above

Correct Answer:- Option-D

Question61:-What is the DFT of the four point sequence $x(n) = \{0, 1, 2, 3\}$?

- A:- $\{6, -2 + 2j, -2, -2-2j\}$
- B:- $\{6, -2-2j, 2, -2+2j\}$
- C:- $\{6, -2+2j, -2, -2-2j\}$
- D:- $\{6, -2-2j, -2, -2+2j\}$

Correct Answer:- Option-C

Question62:-Which kind of polarization is provided by helical antennas ?

- A:-Circular
- B:-Elliptical
- C:-Plane circular
- D:-All of the above

Correct Answer:- Option-A

Question63:-Which has same probability of error ?

- A:-BPSK and QPSK
- B:-BPSK and ASK
- C:-BPSK and PAM
- D:-BPSK and QAM

Correct Answer:- Option-C

Question64:-In MSK, the difference between the higher and lower frequency is

- A:-Same as the bit rate
- B:-Four time the bit rate
- C:-Twice of the bit rate
- D:-Half of the bit rate

Correct Answer:- Option-D

Question65:-The data rate of QPSK is _____ of BPSK.

- A:-Thrice
- B:-Twice
- C:-Four times
- D:-Same

Correct Answer:- Option-B

Question66:-TDMA allows the user to have

- A:-Use of same frequency channel for same time slot
- B:-Use of same frequency channel for different time slot
- C:-Use of same time slot for different frequency channel
- D:-Use of different time slot for different frequency channels

Correct Answer:- Option-B

Question67:-Unauthorised access of information from a wireless device through a bluetooth connection is called``

- A:-Bluesnarfing
- B:-Bluemaking
- C:-Bluestring
- D:-None of the above

Correct Answer:- Option-A

Question68:-In a TWT the amplitude of resultant wave travelling down the helix

- A:-Increases exponentially
- B:-Increases linearly
- C:-Decreases exponentially
- D:-Is almost constant

Correct Answer:- Option-A

Question69:-If the gate current of an SCR is increased, the forward breakdown voltage will

- A:-Increase
- B:-Decrease
- C:-Not be affected
- D:-Become infinite

Correct Answer:- Option-C

Question70:-What is the range of the operating voltage level for LEDs ?

- A:-5-12 mV
- B:-1.7-3.3 V
- C:-5-12 V
- D:-20-25 V

Correct Answer:- Option-B

Question71:-To turn on UJT, the forward bias on the emitter diode should be _____ the peak point voltage.

- A:-Less than
- B:-Equal to
- C:-More than
- D:-None of the above

Correct Answer:- Option-C

Question72:-The device that does not have the gate terminal is

- A:-Triac
- B:-FET
- C:-SCR
- D:-Diac

Correct Answer:- Option-D

Question73:-If the negative potential on the control grid of CRT is increased, the intensity of spot

- A:-is increased
- B:-is decreased
- C:-remains the same
- D:-none of the above

Correct Answer:- Option-B

Question74:-The sensitivity of a multimeter is given in

- A:- Ω
- B:-amperes
- C:- $k\Omega/V$
- D:-none of the above

Correct Answer:- Option-C

Question75:-The controlling parameter in IGBT is the

- A:- I_G
- B:- V_{GE}
- C:- I_C

D:-`V_(CE)`

Correct Answer:- Option-B

Question76:-In a loss less inverter, the average power absorbed in one period by the load must be

- A:-Equal to the average power supplied by the dc source
- B:-Greater than the average power supplied by the dc source
- C:-Lesser than the average power supplied by the dc source
- D:-Equal to the average power supplied by the ac source

Correct Answer:- Option-A

Question77:-A module in a solar panel refers to

- A:-Series arrangement of solar cells
- B:-Parallel arrangement of solar cells
- C:-Series and parallel arrangement of solar cells
- D:-None of the above

Correct Answer:- Option-C

Question78:-A laser diode normally emits

- A:-Coherent and monochromatic light
- B:-Coherent light
- C:-Monochromatic light
- D:-Neither coherent nor monochromatic light

Correct Answer:- Option-A

Question79:-The quality of output AC voltage of cycloconverter is improved with

- A:-Increase in output voltage at reduced frequency
- B:-Increase in output voltage at increased frequency
- C:-Decrease in output voltage at reduced frequency
- D:-Decrease in output voltage at increased frequency

Correct Answer:- Option-B

Question80:-With the increase in the intensity of light, the resistance of a photovoltaic cell

- A:-Decreases
- B:-Increases
- C:-Remains same
- D:-None of these

Correct Answer:- Option-A

Question81:-LED

- A:-is usually made from Ge
- B:-Uses a reverse biased junction
- C:-Emits light due to recombination of holes and electrons
- D:-Gives light output which increases with increase in temperature

Correct Answer:- Option-C

Question82:-SPST, SPDT, DPDT and DPST are

- A:-Solid state relays
- B:-Input-output interface modules
- C:-Solid state switches
- D:-Electrical relay contact types

Correct Answer:- Option-D

Question83:-The 8 bit micro controller has

- A:-Data bus of 8 bits
- B:-Address bus of 8 bits
- C:-8K ROM
- D:-Both data and address bus 8 bits

Correct Answer:- Option-A

Question84:-The additional features of 3G that are not available with 2G are

- i) Mobile TV
- ii) MMS
- iii) Video transfers
- iv) GPS

- A:-i, ii, iii
- B:-i, iii, iv
- C:-ii, iii, iv
- D:-i, ii, iii, iv

Correct Answer:- Option-B

Question85:-5Ah in an UPS battery specification means

- A:-5A for 1 hour
 - B:-1A for 5 hours
 - C:-The output power is 5 watts
 - D:-It requires 5 hours to charge fully
- Correct Answer:- Option-A

Question86:-The 43-grade cement means that the compressive strength of the cement mortar cube after 28 days is

- A:-43 GPa
 - B:-43 Pa
 - C:-43 MPa
 - D:-None of the above
- Correct Answer:- Option-C

Question87:-The process of establishing intermediate points on a survey line joining the end points is called

- A:-Chaining
 - B:-Ranging
 - C:-Pacing
 - D:-Surveying
- Correct Answer:- Option-B

Question88:-Choice of type of foundation depends on

- A:-Soil type
 - B:-Super imposed load
 - C:-Material used
 - D:-All the above
- Correct Answer:- Option-D

Question89:-The following one is an example of electronic distance meter

- A:-Total station
 - B:-Distomat
 - C:-Electronic theodolite
 - D:-Tacheometer
- Correct Answer:- Option-B

Question90:-The manufacturing process of concrete is in the following order

- A:-Proportioning, batching, mixing, transporting, placing, compacting and curing
 - B:-Proportioning, mixing, batching, transporting, placing, compacting and curing
 - C:-Proportioning, mixing, batching, transporting, placing, curing and compacting
 - D:-Proportioning, transporting, mixing, batching, placing, compacting and curing
- Correct Answer:- Option-A

Question91:-In a four stroke cycle engine, the cam shaft completes

- A:-Half the revolution of crank shaft
 - B:-Twice the revolutions of crank shaft
 - C:-The same revolutions as crank shaft
 - D:-Revolutions irrespective of crank shaft revolutions
- Correct Answer:- Option-A

Question92:-The thermal efficiency of a four stroke petrol engine as compared to two stroke petrol engine is

- A:-Less
 - B:-More
 - C:-Same for same speed
 - D:-Same for same compression ratio
- Correct Answer:- Option-B

Question93:-While starting the engine, the pinion gear of the starter motor meshes with

- A:-Fly wheel ring gear
 - B:-Gears in gear box
 - C:-Gears in differential
 - D:-None of these
- Correct Answer:- Option-A

Question94:-Rankine cycle consists of

- A:-Two isothermal processes and two constant pressure processes
- B:-Two isothermal processes and two constant volume processes
- C:-Two isentropic processes and two constant volume processes
- D:-Two isentropic processes and two constant pressure processes

Correct Answer:- Option-D

Question95:-The correct order of the path of flue gas is

- A:-superheater, economiser, precipitator, air preheater
- B:-superheater, precipitator, economiser, air preheater
- C:-superheater, economiser, air heater, precipitator
- D:-superheater, air preheater, economiser, precipitator

Correct Answer:- Option-C

Question96:-A DC source is supplying two resistors connected in parallel. If $R_1 = 2R_2$, determine the relation between the power dissipated in them

- A:- $P_1 = 0.5 P_2$
- B:- $P_1 = P_2$
- C:- $P_1 = 2 P_2$
- D:- $P_1 = 4 P_2$

Correct Answer:- Option-A

Question97:-If an ac voltage source of magnitude $100\sqrt{2} \sin \omega t$ is causing a current flow of $10 \sin(\omega t - 45^\circ)$ A, determine the load.

- A:- $10 + j10 \Omega$
- B:- $10 - j10 \Omega$
- C:- $10\sqrt{2} + j10\sqrt{2} \Omega$
- D:- $10\sqrt{2} - j10\sqrt{2} \Omega$

Correct Answer:- Option-A

Question98:-Which one among the following is not an over voltage protective system ?

- A:-Lightning arrester
- B:-Arcing horn
- C:-Surge arrester
- D:-Earth-leakage circuit breaker

Correct Answer:- Option-D

Question99:-If a dielectric slab of thickness 't' relative permeability of 2 is inserted between the parallel plates of an air capacitor, the capacitance of the new arrangement will

- A:-Not change
- B:-Decrease
- C:-Increase
- D:-Become zero

Correct Answer:- Option-C

Question100:-Which one among the following is not a transmission voltage in Kerala ?

- A:-33 kV
- B:-55 kV
- C:-220 kV
- D:-400 kV

Correct Answer:- Option-B