

# PROVISIONAL ANSWER KEY

Question Paper Code:	52/2017/OL
Category Code:	318/2015
Exam:	Lecturer in Electronics Engineering(NCA)
Medium of Question:	English
Date of Test	04-07-2017
Department	Technical Education
Alphacode	A

Question1:-Name the person who was greatly influenced by the radical reformist journal of Cairo, the Al-Manar

- A:-Moulana Abdul Kalam Azad
- B:-Sir Sayyid Ahmed Khan
- C:-Mohammed Abdul Rahman
- D:-Vakkom Moulavi

Correct Answer:- Option-D

Question2:-Which among the following organization was founded in 1914 ?

- A:-Samathwa Samajam
- B:-Nair Service Society
- C:-SNDP Yogam
- D:-Yogaskhema Sabha

Correct Answer:- Option-B

Question3:-Which one of the following is not written by Ponkunnam Varkey ?

- A:-Vikarasadanam
- B:-Nivedanam
- C:-Aniyara
- D:-Kudumbini

Correct Answer:- Option-D

Question4:-Name the first editor of Swadeshbhimani

- A:-Ramakrishna Pillai
- B:-P. Krishna Pillai
- C:-K. P. Kesava Menon
- D:-C. P. Govinda Pillai

Correct Answer:- Option-D

Question5:-Vagbhadanandha was the main disciple of

- A:-Sree Narayanaguru
- B:-Chattampi Swamikal
- C:-Brahmananda Sivayogi
- D:-V. T Bhattathiripad

Correct Answer:- Option-C

Question6:-Monetary Museum of Reserve Bank of India is situated at

- A:-Kolkata
- B:-Mumbai
- C:-Bengaluru
- D:-Delhi

Correct Answer:- Option-B

Question7:-Recently Thousand history buffs gathered in Czech Republic to re-enact the Battle of Austerlitz. Name the ruler related with this Battle.

- A:-Napoleon
- B:-Henry V
- C:-Louis XVI
- D:-Sir Nicholas II

Correct Answer:- Option-A

Question8:-India made the Howitzer Artillery gun deal with

- A:-France
- B:-USA
- C:-Russia
- D:-Israel

Correct Answer:- Option-B

Question9:-Central Road Research Institute was established in

- A:-1952
- B:-1948
- C:-1956
- D:-1964

Correct Answer:- Option-A

Question10:-Who directed the Hindi film 'Ae Dil Hai Mushkil'

- A:-Apoorva Mehta
- B:-Mukesh Bhat
- C:-Karan Johar
- D:-Yash Chopra

Correct Answer:- Option-C

Question11:-The minority carrier current in a semiconductor diode is largely a function of

- A:-Amount of doping
- B:-Temperature
- C:-Forward bias voltage
- D:-Reverse bias voltage

Correct Answer:- Option-B

Question12:-When the transistor is in high saturation, the biasing condition of base emitter BE and collector base CB junction is

- A:-BE forward biased, CE reverse biased
- B:-BE reversed biased, CE forward biased
- C:-BE forward biased, CE forward biased
- D:-BE reverse biased, CE reverse biased

Correct Answer:- Option-C

Question13:-Memory that losses its contents when power is lost is

- A:-Non volatile
- B:-Volatile
- C:-Flash memory
- D:-Static memory

Correct Answer:- Option-B

Question14:-In a bridge rectifier, if  $V_m$  is the peak voltage across the secondary of transformer, the maximum voltage coming across each reverse biased diode is

- A:- $V_m/2$
- B:- $V_m/\sqrt{2}$
- C:- $2V_m$
- D:- $V_m$

Correct Answer:- Option-D

Question15:-The main advantage of CMOS is its

- A:-Low power consumption
- B:-High power rating
- C:-Small signal operation
- D:-Fast switching capability

Correct Answer:- Option-A

Question16:-The space-charge region contains charges that are

- A:-Mostly majority carriers
- B:-Mostly minority carriers
- C:-Fixed donor and acceptor ions
- D:-Mobile donor and acceptor ions

Correct Answer:- Option-C

Question17:-The microwave tube that uses buncher and catcher cavities is

- A:-Magnetron
- B:-Klystron
- C:-Reflex Klystron
- D:-Travelling wave tube

Correct Answer:- Option-B

Question18:-Which of the following has same probability of error ?

- A:-BPSK and QAM
- B:-BPSK and ASK

C:-BPSK and QPSK

D:-BPSK and PAM

Correct Answer:- Option-D

Question19:-The negative resistance of the tunnel diode occurs when the bias voltage is

A:-Between the peak and valley voltages

B:-Above the valley voltage

C:-Below the peak voltage

D:-In the reverse direction

Correct Answer:- Option-A

Question20:-In an RC differentiator, the condition for differentiation is

A:- $RC \gg 0.16T$

B:- $RC \ll 0.16T$

C:- $RC \gg T/0.16$

D:- $RC \ll T/0.16$

Correct Answer:- Option-B

Question21:-For an input pulse train of clock period T, the delay produced by an n stage shift register is

A:- $2nT$

B:- $nT$

C:- $(n + 1)T$

D:- $(n - 1)T$

Correct Answer:- Option-C

Question22:-An n-channel JFET has  $I_{(DSS)} = 1 \text{ mA}$  and  $V_{(P)} = -5 \text{ V}$ . Its maximum transconductance is

A:-0.4 millimho

B:-0.1 millimho

C:-1.0 millimho

D:-4.0 millimho

Correct Answer:- Option-A

Question23:-For thyristors, pulse triggering is preferred to dc triggering because

A:-Gate dissipation is low

B:-Pulse system is simpler

C:-Triggering system is required for a very short duration

D:-All of these

Correct Answer:- Option-D

Question24:-If an amplifier with a gain of  $-1000$  and feedback of  $\beta = -0.1$  had a gain change of 20% due to temperature, the change in gain of the feedback amplifier would be

A:-0.2%

B:-5%

C:-10%

D:-0.01%

Correct Answer:- Option-A

Question25:-The sensitivity of a multimeter is given in

A:- $\Omega$

B:- $K\Omega/V$

C:-Amperes

D:- $V/K\Omega$

Correct Answer:- Option-B

Question26:-A superheterodyne radio receiver with an intermediate frequency of 455 KHz is tuned to a station operating at 1200 KHz. The associated image frequency is

A:-55 KHz

B:-1110 KHz

C:-2110 KHz

D:-4220 KHz

Correct Answer:- Option-C

Question27:-The multivibrator circuit configuration that can be used to convert a sinusoidal input into a square wave output is

A:-A stable multivibrator

B:-Monostable multivibrator

C:-Bistable multivibrator

D:-Schmitt trigger

Correct Answer:- Option-D

Question28:-A Yagi antenna in a horizontal plane produces

- A:-A broadside pattern
- B:-An endfire pattern
- C:-A figure of eight pattern
- D:-None of the above

Correct Answer:- Option-B

Question29:-A problem with class B push pull amplifier is that they usually suffer from

- A:-Harmonic distortion
- B:-Intermodulation distortion
- C:-Cross-over distortion
- D:-None of these

Correct Answer:- Option-C

Question30:-A 12 bit binary number has an accuracy equivalent to the decimal fraction

- A:-1/1024
- B:-1/2048
- C:-1/6400
- D:-1/4096

Correct Answer:- Option-D

Question31:-If a pulse train with a frequency of 10 KHz is applied to the trigger input of a bistable multivibrator, the frequency of the output pulse train would be

- A:-5KHz
- B:-20 KHz
- C:-10 KHz
- D:-None of these

Correct Answer:- Option-A

Question32:-Six independent low pass signals of bandwidth 3 W, W, W, 2W, 3W and 2W Hz are to be time division multiplexed on a common channel using PAM. To achieve this, the minimum transmission bandwidth of the channel should be \_\_\_\_\_ Hz.

- A:-12W
- B:-6W
- C:-3W
- D:-24 W

Correct Answer:- Option-A

Question33:-Class A amplifiers are characterised by

- A:-Maximum efficiency and minimum distortion
- B:-Minimum efficiency and maximum distortion
- C:-Maximum efficiency and maximum distortion
- D:-Minimum efficiency and minimum distortion

Correct Answer:- Option-D

Question34:-From circuit design simplicity and economy point of view, one of the following configurations for a converter is the best. Which is that ?

- A:-Push-pull DC-DC converter using one transformer
- B:-Ringing choke converter
- C:-Push-pull converter using two transformers
- D:-None of these

Correct Answer:- Option-B

Question35:-An op-amp is having an open loop gain of  $10^5$  and open loop upper cutoff frequency of 10 Hz. If this op-amp is connected as an amplifier with a closed loop gain of 100, then the new upper cutoff frequency will be

- A:-10 Hz
- B:-100 Hz
- C:-10 KHz
- D:-100 KHz

Correct Answer:- Option-C

Question36:-An amplifier power level is changed from 8 Watts to 16 Watts, equivalent dB gain is

- A:-2 dB
- B:-3dB
- C:-6 dB
- D:-5 dB

Correct Answer:- Option-C

Question37:-Which of the following statements are correct for the basic transistor amplifier configurations

- A:-CB amplifier has low input impedance and a low current gain
- B:-CC amplifier has low output impedance and a low current gain
- C:-CE amplifier has very poor voltage gain but very high input impedance
- D:-none of the above

Correct Answer:- Option-A

Question38:-In antenna measurement using two aperture antennas of dimensions D1 and D2, minimum separation between the two should be ( $\lambda$  is free space wavelength of radiation uses)

- A:- $(D1 + D2)/(2\lambda)$
- B:- $\sqrt{(D1^2+D2^2)} /(\lambda)$
- C:- $\sqrt{(D1^2+D2^2)} / (8\lambda)$
- D:- $\sqrt{(D1^2+D2^2)} /2\lambda)$

Correct Answer:- Option-B

Question39:-Compared to the junction transistor, FET

- 1) Has a larger gain bandwidth product
- 2) Is less noisy
- 3) Has less input resistance
- 4) Has only the majority carrier flow

The correct statements are

- A:-1, 3
- B:-1, 2
- C:-3, 4
- D:-2, 4

Correct Answer:- Option-D

Question40:-How does 80386 change operation from real mode to protected mode ?

- A:-By resetting MSB of CR1 contents
- B:-By setting MSB of CR0 contents
- C:-By setting MSB of CR1 contents
- D:-By setting MSB of CR2 contents

Correct Answer:- Option-B

Question41:-A source follower (using a FET) usually has a voltage gain which is

- A:-Slightly less than unity, but positive
- B:-Greater than +1
- C:-Exactly unity but negative
- D:-About – 10

Correct Answer:- Option-A

Question42:-Which of the following logic family consumes the least amount of power ?

- A:- $I^2L$
- B:-ECL
- C:-TTL
- D:-CMOS

Correct Answer:- Option-D

Question43:-In a 100% amplitude modulated signal, the power in the lower sideband is : Assume carrier power to be 100 watts and modulation system to be SSBSC.

- A:-50 watts
- B:-100 watts
- C:-25 watts
- D:-None of these

Correct Answer:- Option-C

Question44:-A combinational logic circuit which is used to send data coming from a source to two or more separate destinations is called as

- A:-Demultiplexer
- B:-Encoder
- C:-Multiplier
- D:-Decoder

Correct Answer:- Option-A

Question45:-The pinch off voltage of a JFET is 5V. Its cut off voltage is

- A:- $(5.0)^{(1/2)}V$
- B:-2.5 V
- C:- $(5.0)^{(3/2)}V$
- D:-5.0 V

Correct Answer:- Option-D

Question46:-A full wave rectifier uses two diodes, the internal resistance of each diode may be  $20\Omega$  each. The transformer rms secondary voltage from centre tap to each of secondary is 50V and load resistance is  $980\Omega$ . Find the mean load current and rms value of load current.

- A:- $0.05/\sqrt{2}$ ,  $0.05/\pi$
- B:- $0.05\sqrt{2}/\pi$ , 0.05
- C:- $0.1\sqrt{2}/\pi$ , 0.05
- D:- $50\sqrt{2}/\pi$ , 50

Correct Answer:- Option-C

Question47:-The 2732 is a 4096  $\times 8$  EPROM. How many address lines does it have ?

- A:-8
- B:-12
- C:-1600
- D:-2732

Correct Answer:- Option-B

Question48:-A lamp is controlled from two positions A and B (eg : staircase circuit). The boolean expression for the above circuit is

- A:-  $AB + A\bar{B}$
- B:-  $A\bar{B} + \bar{A}B$
- C:-  $AB + \bar{A}\bar{B}$
- D:-  $A\bar{B} + \bar{A}\bar{B}$

Correct Answer:- Option-B

Question49:-Most of the linear IC s are based on the two transistor differential amplifier because of its

- A:-High CMRR
- B:-High voltage gain
- C:-High input resistance
- D:-Input voltage dependent linear transfer characteristics

Correct Answer:- Option-A

Question50:-A speech signal occupying the bandwidth of 300 Hz to 3 KHz is converted into PCM format for use in digital communication. If the sampling frequency is 8 KHz and each sample quantized into 256 levels, then the output bit rate will be

- A:-3 Kb/s
- B:-8 Kb/s
- C:-256 Kb/s
- D:-64 Kb/s

Correct Answer:- Option-D

Question51:-A push pull inverter provides a

- A:-Highly regulated output
- B:-Constant DC output
- C:-Square wave output
- D:-None of these

Correct Answer:- Option-C

Question52:-When an antenna is placed in a vertical plane it will produce ?

- A:-Circularly polarised waves
- B:-Elliptically polarised waves
- C:-Horizontally polarised waves
- D:-Vertically polarised waves

Correct Answer:- Option-C

Question53:-The octal equivalent of decimal 324.781 is

- A:-40.987
- B:-540.781
- C:-215.234
- D:-504.771

Correct Answer:- Option-D

Question54:-In a travelling wave tube, the phase velocity of the axial components of the field of the slow wave structure is kept

- A:-Slightly less than the velocity of electrons
- B:-Equal to the velocity of the electrons
- C:-Slightly more than the velocity of electrons
- D:-Equal to the velocity of light in free space

Correct Answer:- Option-B

Question55:-Address bus of 8086 contains

- A:-20 lines
- B:-32 lines
- C:-16 lines
- D:-24 lines

Correct Answer:- Option-A

Question56:-The propagation delay for ECL IC family is approximately

- A:-2ns
- B:-10ns
- C:-25ns
- D:-50ns

Correct Answer:- Option-A

Question57:-The pre-emphasis circuit is used

- A:-After modulation
- B:-To increase or emphasise the amplitude low frequency
- C:-Prior to modulation
- D:-None of these

Correct Answer:- Option-C

Question58:-A NAND circuit with positive logic will operate as

- A:-AND with negative logic
- B:-AND with negative logic
- C:-OR with negative logic
- D:-NOR with negative logic

Correct Answer:- Option-D

Question59:-The average on state current for an SCR is 20A for a conduction angle of  $120^\circ$ . The average on=state current for  $60^\circ$  conduction angle will be

- A:-20 A
- B:-Less than 20 A
- C:-10 A
- D:-40 A

Correct Answer:- Option-B

Question60:-A switched mode power supply operating at 20 KHz to 100 KHz range uses \_\_\_\_\_ as the main switching element.

- A:-MOSFET
- B:-Triac
- C:-Thyristor
- D:-UJT

Correct Answer:- Option-A

Question61:-The biggest disadvantage of CW Doppler radar is that

- A:-It does not give the target position
- B:-It does not give target velocity
- C:-It does not give target range
- D:-A transponder is required at the target

Correct Answer:- Option-C

Question62:-The field frequency of HDTV is

- A:-15
- B:-60
- C:-30

D:-120

Correct Answer:- Option-B

Question63:-An NPN transistor has a beta frequency  $f_{\beta}$  of 1 MHz, and emitter short circuit low frequency current gain  $\beta(0)$  of 200. The unity gain frequency  $f_T$  and alpha cutoff frequency  $f_{\alpha}$  respectively are

A:-199 MHz, 200 MHz

B:-200 MHz, 199 MHz

C:-201 MHz, 200 MHz

D:-200 MHz, 201 MHz

Correct Answer:- Option-D

Question64:-An opamp has a slew rate of  $5V/\mu S$ . The largest sine wave output voltage possible at frequency of 1 MHz is

A:- $10\pi$  volts

B:-5 volts

C:- $(5/\pi)$ volts

D:- $(5/2\pi)$ volts

Correct Answer:- Option-D

Question65:-The number of comparisons carried out in a 5 bit flash type A/D converter is

A:-31

B:-32

C:-5

D:-3

Correct Answer:- Option-A

Question66:-A PLA can be used

A:-As a dynamic memory

B:-To realise a combinational logic

C:-As a microprocessor

D:-To realise a sequential logic

Correct Answer:- Option-B

Question67:-Hamming codes are used for error detection and correction. If the minimum hamming distance is  $m$ , then the number of errors correctable is

A:-Equal to  $2m$

B:-Equal to  $m$

C:-Less than  $m/2$

D:-Greater than  $m$

Correct Answer:- Option-C

Question68:-Given that  $W = e^{-i(2\pi/N)}$ , where  $N = 3$ . Then  $F = W^N$  can be computed as  $F =$

A:-0

B:-1

C:-e

D:- $-1$

Correct Answer:- Option-B

Question69:-The code division multiple access technique is not used in satellite communication because of

A:-Wastage of power

B:-Wastage of baseband spectrum

C:-Increase in delay

D:-Complexity and unreliability of operation

Correct Answer:- Option-A

Question70:-Which of the following is introduced in the frequency sampling realization of the FIR filter ?

A:-Poles are more in number on unit circle

B:-Zeros are more in number on the unit circle

C:-Poles and zeros at equally spaced points on the unit circle

D:-None of the above

Correct Answer:- Option-C

Question71:-The number of LED display indicators in logic probes are

A:-1

B:-4

C:-1 or 2

D:-2

Correct Answer:- Option-D

Question72:-In a linear IC voltage, series pass transistor always operates in \_\_\_\_\_ region.

- A:-Active
- B:-Saturation
- C:-Cutoff
- D:-All of the above

Correct Answer:- Option-A

Question73:-The data rate of QPSK is \_\_\_\_\_ of BPSK.

- A:-Thirce
- B:-4 times
- C:-Twice
- D:-Same

Correct Answer:- Option-C

Question74:-Asymmetrical astable multivibrartor has  $R = 100\Omega$  and  $C = 0.1\text{mF}$ . The periodic time T is equal to

- A:-138 mS
- B:-69 mS
- C:-6.9 mS
- D:-13.8 mS

Correct Answer:- Option-D

Question75:-Bootstrap sweep circuit generally employs

- A:-CE amplifier
- B:-Emitter follower
- C:-CB amplifier
- D:-Tuned amplifier

Correct Answer:- Option-B

Question76:-If  $P = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$  and  $Q = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$ , then PQ is

- A:-A null matrix
- B:-An identity matrix
- C:-A singular matrix
- D:-A symmetric matrix

Correct Answer:- Option-D

Question77:-If  $P = \begin{bmatrix} 2 & 3 \\ 5 & 7 \end{bmatrix}$ , then  $P^{-1} =$

- A:-  $\begin{bmatrix} -2 & -3 \\ -5 & -7 \end{bmatrix}$
- B:-  $\begin{bmatrix} 7 & -3 \\ -5 & 2 \end{bmatrix}$
- C:-  $\begin{bmatrix} -7 & 3 \\ 5 & -2 \end{bmatrix}$
- D:-  $\begin{bmatrix} 2 & -5 \\ -3 & 7 \end{bmatrix}$

Correct Answer:- Option-C

Question78:-The first three terms in the expansion of  $(a+bx)^\alpha$  are 1,  $6x$  and  $16x^2$  respectively ( $\alpha > 0$ , m is a natural number). Then

- A:-  $m = 9$ ,  $b = \sqrt[2]{3}$
- B:-  $m = 2$ ,  $b = 3$
- C:-  $m = 4$ ,  $b = \sqrt[3]{2}$
- D:-  $m = 3$ ,  $b = 2$

Correct Answer:- Option-A

Question79:-The value of  $\cot 1^\circ + \cot 89^\circ$  is

- A:-0
- B:-1
- C:-  $\frac{2}{\sin 2^\circ}$
- D:-None of these

Correct Answer:- Option-C

Question80:-In  $\Delta ABC$ , the value of  $\begin{vmatrix} \cos(A+B) & -\tan A & 0 \\ \sin(A+B+C) & \sin B & \cos C \\ \sin B & 0 & -\tan A \end{vmatrix}$  is

- A:-  $-2 \tan A \sin B \cos C$
- B:-0
- C:-  $\tan^2 A$
- D:-  $\tan A(\tan A - 2 \sin B \cos C)$

Correct Answer:- Option-B

Question81:-The x-intercept of the line passing through the point (1, 1) and perpendicular to the line  $x - 2y + 1 = 0$  is

- A:-  $\frac{2}{3}$

B:  $-\frac{2}{3}$

C:  $-\frac{3}{2}$

D:  $-\frac{3}{2}$

Correct Answer: - Option-C

$$f(x) = \begin{vmatrix} \sin x & x & x^3 \\ \cos x & 1 & x^2 \\ \tan x & 1 & x \end{vmatrix}$$

Question82:-If , then the value of  $\lim_{x \rightarrow 0} \frac{f(x)}{x^2}$  is

A: -2

B: 0

C: -1

D: -2

Correct Answer: - Option-B

Question83:-If  $x = a(\cos \theta - \log \cot \frac{\theta}{2})$ ,  $y = a \sin \theta$ , then  $\frac{dy}{dx} =$

A:  $\tan \theta$

B:  $-\tan \theta$

C:  $\cot \theta$

D:  $-\cot \theta$

Correct Answer: - Option-A

$$\frac{(x+1)e^x}{\cos^2(xe^x)}$$

Question84:-The integral of \_\_\_\_\_ with respect to x is

A:  $\tan(xe^x)/(x+1)e^x + C$

B: -

sec $^2(xe^x)$   $\tan(xe^x) + C$

C:  $\sec^2(xe^2) + C$

D:  $\tan(xe^x) + C$

Correct Answer: - Option-D

Question85:-The slope of normal to a curve at any point (x, y) on it is  $\frac{-x}{(x+1)y}$ . The equation of the curve is

A:  $y = Cxe^x$

B:  $xy = Ce^x$

C:  $xy = Ce^{-x}$

D:  $y^2 = 2[\log(x+1) - x] + C$

Correct Answer: - Option-A

Question86:-The Coulomb is equal to charge on \_\_\_\_\_ electrons.

A:  $1.602 \times 10^{-19}$

B:  $6.28 \times 10^{18}$

C:  $1.67 \times 10^{-27}$

D:  $6.18 \times 10^{28}$

Correct Answer: - Option-B

Question87:-The Ohm's laws deals with the relation between

A: Charge and capacity

B: Capacity and p.d.

C: Charge and resistance

D: Current and p.d.

Correct Answer: - Option-D

Question88:-One kwh is equal to \_\_\_\_\_ kCal.

A: 860

B: 735.5

C:  $36 \times 10^5$

D: 746

Correct Answer: - Option-A

Question89:-Resistivity is usually expressed in terms of

A: ohm/°C

B: Moh

C:-Ohm meter

D:-Ohm/cm square

Correct Answer:- Option-C

Question90:-Three equal resistors are connected in series across an emf source, dissipate 60 W of power. What is the power dissipated if the same resistors are connected in parallel ?

A:-270

B:-60

C:-20

D:-180

Correct Answer:- Option-B

Question91:-The main constituents of a Portland Cement is

A:-lime

B:-Alumina

C:-Iron Oxide

D:-Alkalies

Correct Answer:- Option-A

Question92:-The most commonly used bond for all wall thickness is

A:-Flemish bond

B:-English bond

C:-Stretching bond

D:-Heading bond

Correct Answer:- Option-B

Question93:-A line normal to the plumb line at all points is known as

A:-Horizontal line

B:-Vertical line

C:-Level line

D:-Line of the collimation

Correct Answer:- Option-C

Question94:-In a well-conditioned triangle, no angle should be less than

A:-30°

B:-45°

C:-60°

D:-90°

Correct Answer:- Option-A

Question95:-A fixed point of reference of known elevation is called

A:-Change point

B:-Station point

C:-Bench mark

D:-Datum

Correct Answer:- Option-C

Question96:-The part which controls the air fuel ratio in a petrol engine is

A:-Injector

B:-Carburettor

C:-Governor

D:-None of the above

Correct Answer:- Option-B

Question97:-In IC Engines the process of removing burnt gases from combustion chamber of cylinder is known as

A:-Supercharging

B:-Polymerisation

C:-Scavenging

D:-Detonation

Correct Answer:- Option-C

Question98:-The compression ratio of Diesel engine varies from

A:-15 to 25

B:-10 to 15

C:-6 to 10

D:-25 to 40

Correct Answer:- Option-A

Question99:-The purpose of moderator in a nuclear power plant is

A:-To moderate the radioactive pollution

B:-To control reaction

C:-To reduce temperature

D:-To reduce the speed of fast moving neutrons

Correct Answer:- Option-D

Question100:-The differential is located between propeller shaft and the

A:-Clutch

B:-Engine

C:-Rear axle

D:-None of the above

Correct Answer:- Option-C