

Physic	CS	(B)	L.K.No. 1069	Paper Code No. 8473
Paper I	ll.	(Objective Type)	lst – A – Exam 2023	Group Ist
Time :	:	20 Minutes	Inter (Part - II)	
Marks :	:	17	Session (2019 – 21) to (2021 – 23)	

Note: Four possible choices A, B, C, D to each question are given. Which choice is correct fill that circle in front of that Question No. Use Marker or Pen to fill the circles. Cutting or filling two or more circles will result in Zero Mark in that Question.

alf Life of Uranium – 239 is : (A) 26.5 Minutes (B) 23.5 Minutes (C) 24.5 Minutes (D) 25.5 Minutes the Number of Neutrons in $^{238}_{92}U$ is : (A) 92 (B) 238 (C) 146 (D) 330 or Paschen Series, the value of 'n' starts from : (A) 2 (B) 8 (C) 6 (D) 4 Kg Mass will be equivalent to energy : (A) 9 x 10 ⁸ J (B) 9 x 10 ¹⁶ J (C) 9 x 10 ¹² J (D) 9 x 10 ¹⁹ J Alathematical Treatment for Electromagnetic Waves was given by : (A) Faraday (B) Maxwell (C) Hertz (D) Coulomb forward biasing a p - n junction ideal, offers : (A) High Resistance (B) Infinite Resistance (C) Low Resistance (D) Medium Resistance (hich One is not a Donor Impurity here : (A) Antimony (B) Phosphorus (C) Aluminium (D) Arsenic
the Number of Neutrons in $^{238}_{92}U$ is : (A) 92 (B) 238 (C) 146 (D) 330 or Paschen Series, the value of 'n' starts from : (A) 2 (B) 8 (C) 6 (D) 4 (E) 4 (E) 5 (E) 5 (E) 6 (E) 6 (E) 7 (E) 7 (E) 7 (E) 7 (E) 8 (E) 8 (E) 9 x 10 16 (E) 8 (E) 9 x 10 16 (E) 9 x 10 16 (E) 9 x 10 16 (E) 9 x 10 17 (E) 9 x 10 19 (E)
the Number of Neutrons in $^{238}_{92}U$ is: (A) 92 (B) 238 (C) 146 (D) 330 or Paschen Series, the value of 'n' starts from: (A) 2 (B) 8 (C) 6 (D) 4 (B) 9 x 10 16 J (C) 9 x 10 12 J (D) 9 x 10 19 J (D) 9 x
or Paschen Series, the value of 'n' starts from: (A) 2 (B) 8 (C) 6 (D) 4 Kg Mass will be equivalent to energy: (A) 9 x 10 8 J (B) 9 x 10 16 J (C) 9 x 10 12 J (D) 9 x 10 19 J Alathematical Treatment for Electromagnetic Waves was given by: (A) Faraday (B) Maxwell (C) Hertz (D) Coulomb forward biasing a p - n junction ideal, offers: (A) High Resistance (B) Infinite Resistance (C) Low Resistance (D) Medium Resistance Which One is not a Donor Impurity here:
Kg Mass will be equivalent to energy: (A) 9 x 10 8 J (B) 9 x 10 16 J (C) 9 x 10 12 J (D) 9 x 10 19 J (A) Faraday (B) Maxwell (C) Hertz (D) Coulomb (A) Faraday (B) Maxwell (C) Hertz (D) Coulomb (A) High Resistance (B) Infinite Resistance (C) Low Resistance (D) Medium Resistance
(A) 9 x 10 ⁸ J (B) 9 x 10 ¹⁶ J (C) 9 x 10 ¹² J (D) 9 x 10 ¹⁹ J Interpretation of the state
(A) Faraday (B) Maxwell (C) Hertz (D) Coulomb forward biasing a p - n junction ideal, offers: (A) High Resistance (B) Infinite Resistance (C) Low Resistance (D) Medium Resistance (hich One is not a Donor Impurity here:
(A) Faraday (B) Maxwell (C) Hertz (D) Coulomb forward biasing a p-n junction ideal, offers: (A) High Resistance (B) Infinite Resistance (C) Low Resistance (D) Medium Resistance (hich One is not a Donor Impurity here:
forward biasing a p - n junction ideal, offers: (A) High Resistance (B) Infinite Resistance (C) Low Resistance (D) Medium Resistance (hich One is not a Donor Impurity here:
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hich One is not a Donor Impurity here :
(A) Antimony (B) Phosphorus (C) Aluminium (D) Arsenic
hich One is not Crystalline Solid : (A) Zinc (B) Copper (C) Nylon (D) Zirconia
ne graph between time and A.C. Voltage is known as :
(A) Parabola (B) Tangent Curve (C) Sine Curve (D) Straight Line
ne Peak Value of A.C. Source is 20 A, then its rms value will be :
(A) 20 A (B) 10 A (C) 14.1 A (D) 28.2 A
(1) 10 / (0) 17 / (0) 20 / 20
ductance is measured in : (A) Ohm (B) Volts (C) Henry (D) Weber
ne Mutual Inductance of Coils depends on :
(A) Stiffness (B) Density (C) Nature of Material (D) Geometry
ne relation between Tesla and smaller unit Gauss of Magnetic Induction is given by :
(A) $1T = 10^3$ G (B) $1T = 10^6$ G (C) $1T = 10^2$ G (D) $1T = 10^4$ G
ne most suitable material for making magnet is :
(A) Soft Iron (B) Copper (C) Gold (D) Silver
ne Coulomb per second is equal to :
(A) One Volt (B) One Ampere (C) One Watt (D) One Ohm
the distance between two point charges is halved, the Electric Intensity becomes :
(A) Half (B) 1/4 Times (C) 4 Times (D) Double
100



Roll No.	1069 - 2 1000	Inter (Part II)	Group Ist
Physics (Subjective)	ist – A – Exam	Time 2:40 Hours Marks: 68	Session
	2023		(2019 -21) to (2021 - 23)

Note: It is compulsory to attempt any (8 – 8) Parts each from Q.No. 2 and Q.No.3 and attempt any (6) Parts from Q.No.4. Attempt any (3) Questions from Part – II .Write same Question No. and its Part No. as given in the Question Paper.

М	ake Diag	gram where necessary. Part - I $\mathbb{D}WP-12-1-23$ $22 \times 2 = 40$	3
Q.No.2	(i)	Do Electrons tend to go to region of High Potential or of Low Potential?	
	- (ii)	Is \overrightarrow{E} necessarily Zero inside a charged rubber balloon if balloon is spherical ?	
	' '	Assume that charge is distributed uniformly over the surface.	
	(iii)	How charged particle work during their flight in inkjet printer?	
	(iv)	What is Potential Gradient? Give its units.	
	(v)	Why the Resistance of an Ammeter should be very low?	
	(vi)	If a charged particle moves in a straight line through some region of space, can y	ou
	(vii)	say magnetic field in this region is zero? How you express Magnetic Flux? On what factor it depends?	
	(viii)	How we can increase the range of Voltmeter?	
	(ix)	What do we mean by the term Critical Mass?	
	(x)	What do you understand by "Background Radiation"? State two sources of Radiation	on.
	(xi)	What do you mean by Quark?	
O No 2	(xii)	What is Radiography ? What is its importance ? Why does the Resistance of a conductor rise with temperature ?	
Q.No.3	(ii)	Do bends in a wire affect its Electric Resistance ? Explain.	
	(iii)	Name any four sources of Current.	
	(iv)	Explain the conditions under which Electromagnetic Waves are produced from a sour	ce .
	(v)	How many times per second will an incandescent Lamp reach maximum brilliance	
	(,,)	when connected to a 50 Hz source?	
	(vi)	What do you mean by Root Mean Square Value (rms)? Differentiate between Crystalline Amorphous and Polymeric Solids?	
	(vili)	What is meant by Para, Dia and Ferromagnetic Substance? Give example of each.	
	(ix)	Explain what is Curle Temperature ?	
	(x)	Why a Photodiode is operated in reverse biased state?	
	(xi)	What is the Net Charge on a n-type or p-type substance?	
	(xli)	The input of a gate are '1' and '0'. Identify the gate if its output is : (a) 0 (b) 1	
Q.No.4	(1)	What does Negative Sign in Equation of Faraday's Law indicate?	
	(11)	Define the SI Unit of Mutual Inductance Henry.	
	(111)	Can a D.C. Motor be turned into a D.C. Generator? What changes are required to be do	
	(iv)	Which Photon red, green or blue carries the most : (a) Energy and (b) Momentum	n ?
	(v)	Which has the Lower Energy Quanta Radiowaves or X-rays? From theory of Relativity, derive the expression of Momentum of Photon.	
	(vii)	What is Energy of a Photon in a beam of infrared Radiation of Wavelength 1240 no	n ?
	(viii)	What do we mean when we say that the atom is excited?	
	(ix)	Differentiate between Spontaneous Emission and Induced or Stimulated Emission.	
		Part - II 3 x 8 = 2	4
Q.No.	5 (a)	State and Explain Coulomb's Law.	(5)
	(b)	1.0 x 10 Electrons pass through a conductor in 1.0. Find the current in	
	'	Ampere flowing through the conductor Electric Charge is 1.6 x 10^{-19} C.	(3)
Q.No.	6 (a)	What is Motional emf? Derive an expression for it .	(5)
	(b)	What current should pass through a Solenoid that is 0.5 m long with 10,000	1-7
	(-,	turns of Copper so that is will have a magnetic field 0.4T?	(3)
Q.No.	7 (a)	How Transistor can be used as Amplifier? Explain with Circuit and derive	(3)
Q	, ,,,	expression for voltage gain.	(5)
	(b)	What is the Resonant Frequency of a Circuit which includes a coil of inductance	
		2.5 H and a Capacitance 40 μF ?	(3)
Q.No.	8 (a)	Describe the Wave Nature of Particle. Also discuss Davisson and Germer Experiment.	(5)
	(b)	A 1.25 cm diameter cylinder is subjected to a load of 2500 Kg. Calculate the	(2)
Q.No.	9 (a)	stress on the bar in Mega Pascals. What is Spectroscopy? Derive the expression that in Bohr's Atomic Model of	(3)
2,,,,,,	- (0)	Hydrogen Atom, Bohr's Orbital Energies are Quantized.	(5)
	(b)	How much energy is absorbed by a man of mass 80 Kg who receives a lethal whole body equivalent dose of 400 rem in the form of low energy Neutrons for	
		which RBE factor is 10?	(3)



Physics	(B)	L.K.No. 1070	Paper Code No. 8474
Paper II	(Objective Type)	lst - A - Exam 2023	
Time :	20 Minutes	Inter (Part - II)	Group 2nd
Marks :	17	Session (2019 – 21) to (2021 – 23)	

Note: Four possible choices A, B, C, D to each question are given. Which choice is correct fill that circle in front of that Question No. Use Marker or Pen to fill the circles. Cutting or filling two or more eircles will result in Zero Mark in that Question.

£	The state in Zero Islank in that Question.
Q.No.1 A.	C Through Resistor, Voltage and Current have the phase:
(1)	
	(A) Out of Phase (B) Perpendicular (C) In Phase (D) Antiparallel
(3) Nu	pair of Quark and Anti Quark makes : (A) Baryons (B) Meson (C) Photon (D) Proton
(0)	clear Fission Chain Reaction is controlled by :
(4) Bal	(A) Steel Rod (B) Graphite Rod (C) Cadmium Rod (D) Platinum Rod
(4) Bai	mer Series lies in the :
(5) 71	(A) Ultraviolet Region (B) Visible Region (C) Far Infrared Region (D) Infrared Region
	Unit of Work Function is : (A) Watt (B) et (C) Farad (D) Photocell
(6) Wh	ich One is Low Energy Photon :
	(A) X - Ray (B) Infrared Light (C) Visible Light (D) Ultraviolet Light
(7) The	Output Voltage of a Rectifier is :
	(A) Perfectly Direct (B) Smooth (C) Pulsating (D) Alternating
(8) The	Potential Barrier in Diode stops movement of :
	(A) Electron (B) Holes (C) Photon (D) Both A and B
(9) Whi	ch of the following does not go Plastic Deformation :
	(A) Copper (B) Wrought Iron (C) Head (D) Glass
(10) The	device which only allows the A.C. is :
(11) The	(A) Capacitor (B) Inductor (C) Generator (D) Transformer current flowing through the coil due to induced emf depends upon :
	(A) Magnetic Flux (P) Area of Gall (a)
(12) If we	(A) Magnetic Flux (B) Area of Coil (C) Shape of Coil (D) Resistance of Coil
	want to make Magnetic Field stronger the value of induced current is :
(13) An A	(A) Decreased (B) Vanish (C) Increased (D) Constant
(14) Curre	mmeter is always connected in : (A) Parallel (B) Perpendicular (C) Series (D) Oblique
(14) Curre	ent Passing through the coil of Galvanometer is :
	(A) $\frac{c}{BAN}\theta$ (B) $\frac{NAB}{c}\theta$ (C) $\frac{AN}{BC}\theta$ (D) $\frac{CN}{BA}\theta$
(15) The s	$BAN = c \qquad (c) \qquad BC \qquad (d) \qquad \overline{BA} \qquad \theta$
ine s	substance having negative temperature co - efficient is :
(16) =:	(A) Carbon (B) Gold (C) Iron (D) Tungsten
(16) Electr	ic Intensity due to the oppositely charged parallel plate is :
	σ σ
	(A) Zero (B) $\frac{1}{\varepsilon_o}$ (C) $\frac{\sigma}{2\varepsilon_o}$ (D) $\frac{\sigma}{\varepsilon_o}$
17) The N	legative of Potential Gradient is :
1	lectric Field Intensity (B) Electromotive Force (C) Electrostatic Force (D) Potential Difference
L	Police (c) Electrostatic Force (D) Potential Difference



Roll No. Physics (Subjective)

1070 - 2.0000 ist - A - Exam 2023

Inter (Part II) Time 2:40 Hours Marks: 68

Group 2nd Session (2019 -21) to (2021 - 23)

Note: It is compulsory to attempt any (8 – 8) Parts each from Q.No. 2 and Q.No.3 and attempt any (6) Parts from Q.No.4. Attempt any (3) Questions from Part – If .Write same Question No. and its Part No. as given in the Question Paper.

Make Diagram where necessary.

Q.No		BW1-12-12-12-12-12-12-12-12-12-12-12-12-12	L3 22 x	2 = 44
40		Part - I Swp-12-2-2		
-	(1			
-	1	Do Electrons tend to go to region of High Potential or of Low Po	otential ?	
-		the tan you identify that which plate of a capacitor is positively		
	(" a charged Particle moves in a straight line through	of	
ļ	(v	say that the Magnetic Field in the region is zero?	or space, c	an you
	10	Juppose that a charge 'o' is moving in a sure	with a velo	city /
	(vi	Why is there no work done by the Magnetic Force that acts on the state of the work of the	ne charge n	?
	,	How can a current loop be used to determine the presence of a given region of space?	nagnetic fle	ld in a
	(vii			
	(ix	How can we increase sensitivity of a Galvanometer? Why are Heavy Nuclei unstable?		
	(x)	What are Isotopes? What do they have in any		
	(xi	What are isotopes? What do they have in common and what are to what factors make a fusion reaction difficult to achieve?	heir differe	nces ?
	(xii	Explain the working of Control Rods in Nuclear Basets		
Q.No.3	(1)	A Potential Difference is applied across the ends of a copper wire on drift velocity by decreasing the length and terms.		
		on drift velocity by decreasing the length and temperature of the	. What is th	e effe
	(ii)	What is Change of a conductor rise with temperature?	wire ?	
	(iii)	avial is Chemical Effect of Current?		
	(iv)	How many times per second will an incandescent lamp real		
	ļ		mum brilliai	тсе
	(v)	What is Choke? Give its uses		 -
	(vi)	Write down the properties of Series Resonance Circuit.		
	(vii)	Distriguish between Crystalline Amorphous and Polymoria Callal		
	(viii)	Triat is Offic Cell and Crystal Lattice?		
	(x)	Differentiate between Tensile and Compressive Modes of Stress and	Strain	
	(xi)	The true charge of a first type of a netype substance 2		
	(xii)	the deniets are not present in the denietion region ?		
2.No.4	(1)	Why is Photodiode? Give some uses of Photodiode. How induced Current can be increased?		
-				
	(11)	Show that ${\cal E}$ and $\frac{\Delta \phi}{\Delta t}$ have the same units.		
4	(111)	Is it possible to change both the area of the		
		is it possible to change both the area of the loop and the magnetic through the loop and still not have an induced emf in the loop?	field passin	g
	(iv)	Trice i ostulates of Special Incorv of Palativity		
	(v) (vi)	State Stephan Boltzmann's law and write the sand		
	(AI)	What are the measurements on which two observers in relative mot agree upon?	on will alw	ave
	(vii)	As a Solid is heated and begins to glow, why does it first appear re		ays
	(viii)	is meated and begins to glow, why does it first appear	43	
	12.1	Describe De - Broglie's Interpretation of Boby's Odding	a r	
	(ix)		a r	
	(ix)	is Energy Conserved when an Atom emits a photon of light?	a r	
		is Energy Conserved when an Atom emits a photon of light? Part - II	2 0 -	24
.No.5		is Energy Conserved when an Atom emits a photon of light? Part - II	2 0 -	24
	(a)	Is Energy Conserved when an Atom emits a photon of light? Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet	3 x 8 =	24 (5)
	(a) (b)	State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 7.75 A Current Flows through an Iron Wire when a best and infinite Sheet	3 x 8 =	
	(a) (b)	State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.55 connected across its ends. The length of the wire is 5 m and its Green	3 x 8 =	
	(a) (b)	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 - 7 m ² .	3 x 8 = t of Charge. V is Sectional	(5)
	(a) (b)	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field Inside the	3 x 8 = t of Charge. V is Sectional	
No.6	(a) (b)	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 ⁻⁷ m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid.	3 x 8 = of Charge. V is Sectional	(3)
No.6	(a) (b) (a) (b) (b)	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 ⁻⁷ m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid.	3 x 8 = t of Charge. V is Sectional Current	(5)
No.6	(a) (b) (a) (b) (b) (b)	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. The turns ratios of a step up transformer is 50. A current of 20 A is pass as primary coil at 220 volts. Obtain the value of the Malker.	3 x 8 = t of Charge. V is Sectional Current	(3)
.No.6	(a) (b) (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 7 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. The turns ratios of a step up transformer is 50. A current of 20 A is pass is primary coil at 220 volts. Obtain the value of the Voltage and Current econdary Coil assuming the transformer to be Ideal One.	3 x 8 = c of Charge. V is Sectional Current Ged through in the	(3)
No.6	(a) (b) (a) (b) (c) (a) (a) (a)	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. The turns ratios of a step up transformer is 50. A current of 20 A is pass is primary coil at 220 voits. Obtain the value of the Voltage and Current econdary Coil assuming the transformer to be Ideal One.	3 x 8 = c of Charge. V is Sectional Current Ged through in the	(3)
No.6	(a) (b) (a) (b) (c) (a) (a) (f)	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet 0.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. The turns ratios of a step up transformer is 50. A current of 20 A is pass is primary coil at 220 voits. Obtain the value of the Voitage and Current econdary Coil assuming the transformer to be Ideal One. What is Operational Amplifier? Describe Operational Amplifier as Inversion—Inverting Amplifier.	3 x 8 = c of Charge. V is Sectional Current sed through in the	(3)
No.6	(a) (b) (a) (c) (a) (c) (a) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet O . 75 A Current Flows through an Iron Wire when a battery of 1 . 5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2 . 5 x 10	3 x 8 = c of Charge. V is Sectional Current sed through in the	(3)
No.6	(a) (b) (a) (c) (a) (b) (b) (b) (c)	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet O.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. The turns ratios of a step up transformer is 50. A current of 20 A is pass as primary coil at 220 volts. Obtain the value of the Voltage and Current econdary Coil assuming the transformer to be Ideal One. What is Operational Amplifier? Describe Operational Amplifier as Inversion — Inverting Amplifier. When 10 V are applied to an A.C. Circuit, the current flowing in it is 1 and its Impedance.	3 x 8 = c of Charge. V is Sectional Current sed through in the ting and	(5) (3) (5) (3)
No.7 ((a) (b) (a) (b) (a) (b) (b) (b) (c) (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet O.75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field Inside the Carrying long Solenoid. The turns ratios of a step up transformer is 50. A current of 20 A is pass primary coil at 220 volts. Obtain the value of the Voltage and Current econdary Coil assuming the transformer to be Ideal One. What is Operational Amplifier? Describe Operational Amplifier as Inversion - Inverting Amplifier. When 10 V are applied to an A.C. Circuit, the current flowing in it is 1 and its Impedance.	3 x 8 = c of Charge. V is Sectional Current sed through in the ting and	(5) (3) (5) (5)
No.6 ((a) (b) (b) (c) (c) (d) (d) (d) (e) (e) (e) (e) (e) (e) (e) (e) (e) (e	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet O. 75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. Solenoid as the pup transformer is 50. A current of 20 A is pass is primary coil at 220 volts. Obtain the value of the Voltage and Current econdary Coil assuming the transformer to be Ideal One. What is Operational Amplifier? Describe Operational Amplifier as inversion—inverting Amplifier. When 10 V are applied to an A.C. Circuit, the current flowing in it is 1 ind its Impedance.	3 x 8 = c of Charge. V is Sectional Current sed through in the ting and 100 mA. material?	(5) (3) (5) (3)
No.7 ((a) (b) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet O. 75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. Area turns ratios of a step up transformer is 50. A current of 20 A is pass is primary coil at 220 volts. Obtain the value of the Voltage and Current econdary Coil assuming the transformer to be Ideal One. What is Operational Amplifier? Describe Operational Amplifier as inversion – Inverting Amplifier. When 10 V are applied to an A.C. Circuit, the current flowing in it is 1 ind its Impedance. What is Strain Energy? Derive a relation for Strain Energy of a deformed ellow Light of 577 nm Wavelength is incident on a Cesium Surface. The stopping voltage is found to be 0.25 V Find the World Facility.	3 x 8 = c of Charge. V is Sectional Current sed through in the ting and 100 mA. material?	(3) (5) (3) (5) (3) (5)
No.6 No.7 ((a) (b) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet O. 75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. Area truns ratios of a step up transformer is 50. A current of 20 A is pass is primary coil at 220 volts. Obtain the value of the Voltage and Current econdary Coil assuming the transformer to be Ideal One. What is Operational Amplifier? Describe Operational Amplifier as inversion – Inverting Amplifier. When 10 V are applied to an A.C. Circuit, the current flowing in it is 1 ind its Impedance. What is Strain Energy? Derive a relation for Strain Energy of a deformed ellow Light of 577 nm Wavelength is incident on a Cesium Surface. The stopping voltage is found to be 0.25 V. Find the Work Function of the Strain Bohr's Second Postulate, find the value of the Work Function of the Strain Bohr's Second Postulate, find the value of the Work Function of the Strain Bohr's Second Postulate, find the value of the Work Function of the Strain Bohr's Second Postulate, find the walue of the Work Function of the Strain Bohr's Second Postulate, find the Work Function of the Strain Energy.	3 x 8 = c of Charge. V is Sectional Current sed through in the ting and 100 mA. material?	(5) (3) (5) (5)
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No.7 (No.8 (No.9 ((a) (b) (c) (a) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Part - II State Gauss's Law. Find out the Electric Intensity due to an Infinite Sheet O. 75 A Current Flows through an Iron Wire when a battery of 1.5 connected across its ends. The length of the wire is 5 m and its Cross Area is 2.5 x 10 m. What is Solenoid? Derive an expression for Magnetic Field inside the Carrying long Solenoid. Area truns ratios of a step up transformer is 50. A current of 20 A is pass is primary coil at 220 volts. Obtain the value of the Voltage and Current econdary Coil assuming the transformer to be Ideal One. What is Operational Amplifier? Describe Operational Amplifier as inversion – Inverting Amplifier. When 10 V are applied to an A.C. Circuit, the current flowing in it is 1 ind its Impedance. What is Strain Energy? Derive a relation for Strain Energy of a deformed ellow Light of 577 nm Wavelength is incident on a Cesium Surface. The stopping voltage is found to be 0.25 V. Find the Work Function of the Strain Bohr's Second Postulate, find the value of the Work Function of the Strain Bohr's Second Postulate, find the value of the Work Function of the Strain Bohr's Second Postulate, find the value of the Work Function of the Strain Bohr's Second Postulate, find the walue of the Work Function of the Strain Bohr's Second Postulate, find the Work Function of the Strain Energy.	3 x 8 = t of Charge. V is Sectional Current sed through in the ting and 100 mA. material?	(3) (5) (3) (5) (3) (5)