Vivekanand College, Kolhapur. (Autonomous) Department of Physics

Internal Examination Notice 2018-19

Date: 21/01/2019

All students of class B.Sc. I, B.Sc. II and B.Sc. III are hereby noticed that the second term internal evaluation examination is scheduled as per following time table.

Nature of question paper:

For B.Sc. I : Long answer question (Any one from given two questions) for 10 marks

Short answer question (Any two from given three questions) for 10 marks

For B.Sc. II: Long answer question (Any one from given two questions) for 10 marks

Short answer question (Any two from given three questions) for 10 marks

For B.Sc. II (Astro): Long answer question (Any one from given two questions) for 10 marks

Short answer question (Any two from given three questions) for 10 marks

For B.Sc. III: Long answer question (Any one from given two questions) for 10 marks

Short answer question (Any two from given three questions) for 10 marks

Internal Evaluation Examination 2018-19. SEM II, SEM IV and SEM VI Time Table

Sr. No.	Class	Paper	Date	Time
1.	B.Sc. I	Paper II	28/01/2019	11:00 am to 12:00 pm
2.	B.Sc. II	Paper IV	28/01/2019	11:00 am to 12:00 pm
3.	B.Sc. II (Astrophysics)	Paper II	29/01/2019	11:00 am to 12:00 pm
4.	B.Sc. III	Paper VII (section I)	30/01/2019	11:00 am to 12:00 pm
		Paper VII (section II)		01:00 am to 02:00 pm
		Paper VIII (section I)	31/01/2019	11:00 am to 12:00 pm
		Paper VIII (section II)		01:00 am to 02:00 pm



HOD Head of the Department of Physics Vivekanand College, Kolhapul

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

Internal Examination 2018-19

B.Sc. I, SEM- II PHYSICS-DSC -1001 A

Electricity And Magnetism and Electromagnetic Theory I & II

Time: 30 Minutes

Marks: 20

Q.2) Long answer questions (Attempt any ONE)

(10)

- Define divergence of a vector field. Obtain an expression for it. Explain the physical significance
 of the divergence of a vector field.
- Establish the law of conservation of energy for electromagnetic field waves and explain the meaning of Poynting's vector.

Q.3) Short answer question (Attempt any Two)

(10)

- 1) Explain the equation of continuity of current.
- 2) Write a note on Polarization.
- 3) Define the curl of a vector field. Obtain an expression for it.



Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur

(Autonomous)

Department of Physics

Internal exam

B.Sc.I Sem II

Date: - 28/01/2019

Attendance Sheet

Roll No	Name Of The Students	Signature
7501	Admuthe Vishal Vijay	Anvisha
7502	Bagwan Siddhika Jahidahmad	Bagaran
7503	Bavache Dhananjay Kiran	Barcene
7504	Baygol Anil Parshuram	4-1113
7505	Benade Dhanashri Krushnat	Otera Berz
7506	Bhoi Shraddha Annasaheb	Blhadha
7507	Bhosale Sudhanshu Prakash	Bhorale
7508	Bhure Prachi Chhagan	P.c. Bhure
7509	Chaus Rijwan Shabbir	8-haus
7512	Bhosale Sohan Sanjay	Phosyle
7514	Gadgil Jyoti Bajirao	7/20051
7515	Gaikwad Shradha Shankar	Galwall
7516	Gaikwad Apeksha Yashavant	Aituand
7517	Gangalmale Satpal Kerappa	Super
7518	Gavade Shivraj Vishnu	Garale
7519	Gavali Santosh Vasudev	Garali
7520	Ghatage Hrutik Avinash	toutek
7521	Ghule Shashani Nitin	NGhye
7522	Gokhale Makarand Mohan	horizale
7523	Gurav Rushikesh Balkrishna	leobacind
7524	Gurav Kedar Sadanand	Krisay
7525	Hundekari Vrushabh Sunil	Och
7527	Kadam Rushikesh Balasaheb	Note
7528	Kadam Rutuja Vitthal	Dodak
7529	Kadam Moreshwar Ramchandra	Marken
7530	Kadam Gouri Dattatray	342-1110
7531	Kamble Pratiksha Ananda	Pkamble
7533	Kamble Akshata Prafull	Aanble
7534	Kamble Rasika Anil	Campbe
7535	Kamble Rushikesh Mallappa	Kraple
7536	Kashid Kedar Mohan	Blim
7537	Katkar Priyanka Indrajit	THE T



7538	Kazi Tabasum Arif	Yezi -
7539	Kesarkar Prajakta Rajaram	4 VARCHLOS
7540	Khade Aakanksha Harishchandra	house -
7541	Khot Vaishnavi Nijappa	(IA)
7542	Khot Sakshi Suresh	1
7543	Khot Soundarya Sanjay	Witrots -
7544	Khot Omkar Ramchandra	Curtail
7545	Khot Sanmati Aannaso	· Director
7546	Khot Shubhangi Krishnat	d'ex-
7547	Kore Rutvik Deepak	Price
7548	Nalawade Pallavi Uday	Friday S
7549	Kumbhar Gauray Dinkar	100
7550	Londhe Shuvanee Bhimrao	- Jane
7551	Majgaonkar Shweta Pavan	- 31
7552	Malavi Sayali Gautam	2341
7553	Masute Manasi Uday	1 de la la de
7554	Mhatugade Prajakata Sanjay	Digotalia
7555	Mhetri Bhakti Sukumar	to binice
7556	Mulla Samiya Isak	Enless.
7557	Mulla Yasmin Nasaruddin	The state of the s
7558	Naikawadi Firdaus Anjum	muisi
7559	Powar Rushikesh Bhagavat	- Fiar Kana
7560	Pachpund Vinayak Shahaji	San Cox
7561	Parit Komal Rajkumar	
7562	Parit Rutuja Bhagavan	REPET
7563	Patil Akanksha Ashok	Hetib:
7565	Patil Shraddha Pandurang	An
7566	Patil Ulka Bhagwan	
7567	Patil Bhushan Rajaram	Links
7568	Patil Pavan Ranjit	Jante
7569	Patil Pradnya Bhikaji	tati
7570	Patil Dhanashree Shankar	Tradiya.
7571	Pore Sainath Vijay	Pahlos
7573	Powar Prajkta Dashrath	Fore
7574	Pujari Priyanka Muttappa	Polit
7575	Punde Trupti Ashok	lujetri
7576	Punde Shrushti Ashok	Tounde
7577	Punde Bhakti Ashok	Structus
7578	Sagavakar Sushama Sarjerao	Bhalle
7579	Sasane Aishwarya Bhagvan	Futhance
7580	Sase Sapana Bharat	AS
7581	Satpute Suraj Tukaram	Salika
7582	Shaikh Yasin Samad	Susse
7584	Shinde Mayuri Arjun	Yell
7585	Shinde Swappil S	Pishinde
7586	Shinde Swapnil Sardar	Alala AU
7587	Shinge Alisha Jagannath	Donae
, - 0 /	Shinge Dnyanesh Prabhakar	7011190



7588	Survanshi Shubhangi Sardar	85
7589	Sutar Namrata Dashrath	Moutre
7590	Swami Athrav Gajanan	AGS.
7591	Swami Shiyani Subhash	Estimen
7592	Thokale Rushikesh Dhanaji	Khakale
7593	Ulape Anuja Arun	Allape
7594	Upadhye Suyog Sagar	Surey
7595	Vibhute Rutuja Santosh	Vilhate_
7596	Wadeyar Anirudh Krshna	AnyEugh
7597	Wadkar Rushikesh Dhondiram	Warkas
7598	Yamgar Rakesh Pandurang	Raketh
7599	Ajarekar Prathamesh Bhaskar	Airyackay
7600	Bachche Aomkar Prakash	Acmbares.
7601	Bedagkar Gauri Rahul	6 Bedag Sa
7602	Bhalbar Digvijay Sushant	Dehalket
7603	Chandrekar Bhushan Vinodkumar	Echandret
7604	Chavan Ramchandra Ashok	Bravan
7605	Chougale Tejaswini Bajirao	Tejas
7606	Chougule Snehal Anil	Spenal
7607	Chougule Abhinandan Mahaveer	Jangle
7608	Dayama Abhishek Ashok	40 otha
7609	Desai Sandesh Haridas	Specal
7610	Desai Vikram Jayaram	YHERAM_
7611	Desai Ashwini Amarsinh	ADesai
7612	Dharaniya Jitendra Govindram	Dharanyo
7613	Dhonukshe Vinayak Dhanaji	Bu
7615	Gawade Vinayak Arjun	Tamade
7616	Gharale Karan Manohar	K. th Ghara
7617	Ghorpade Sunil Uttam	-8152
7618	Gole Gaurav Rajaram	trave
7619	Golanddaj Mishab Pravej	Grishab
7620	Hiremath Seema Sharnayya	Seema.
7621	Jadhav Nikhil Sandeep	Madhav
7622	Jadhav Sanket Bajirao	daine
7623	Jadhav Rohit Namdev	Rhit.
7624	Kadam Sainath Subhash	Sainath
7625	Kalgutkar Aakash Rajendra	Raidwat
7626	Kamble Ashish Sunil	Atomble
7627	Kamble Nikhil Shashikant	Nhamble
7628	Kamble Amol Bhikaji	Aguible
7629	Kamble Shivani Shankar	Stromble
7631	Kanade Priyanka Swatantryakumar	Ranade
7632	Khandekar Sandip Sukumar	AMED
7633	Khandekar Pooja Sanjay	Freid
7634	Khatangale Shubhangi Prakash	(4)
7635	Khot Akash Balaso	Behat
7636	Khude Gouri Angad	Gibbude



7637	Koravi Dhiraj Keraba	DKOSAYE
7638	Kudalkar Prajakta Shivaji	P.S. Killing
7639	Kulkarni Trupti Ravindra	Kulkarni
7640	Lad Avadhut Shivaji	Alad
7641	Latthe Sammed Rajendra	in factor her
7642	Lohar Sarjerao Ananda	Tohare
7643	Lohar Rohan Tanaji	Klohoz
7644	Magar Shwetali Subhash	20 pages
7645	Magdum Aniket Sambhaji	Conagdan
7646	Mahajan Yash Vikas	Thatigut)
7647	Mali Anurag Pundlik	APlati
7648	Mankapure Parveen Mehamud	TA
7649	Methe Kishori Prakash	Knethe
7650	More Shubham Laxman	Gree
7651	Mukanawar Mahesh Gangadhar	Mahart
7652	Mulani Subiha Husen	Sylvani
7653	Mulla Moin Shoukat	_illilie_
7654	Nadaf Wasim Shahjan	thesit
7655	Nimbalkar Vishwjeet Vitthal	V. Nimbilka
7656	Padayal Vaibhay Sadashiy	Vachval
7657	Padwal Pratiksha Babasaheb	Phymale
7658	Pathan Ansar Ashapak	Alian
7659	Patil Mandar Dnyandeo	trandite
7660	Patil Rutuja Bharat	RPatil
7661	Patil Omkar Sanjay	Kirdil
7663	Patil Jayanti Janaba	Patilo.
7664	Patil Rajat Jaywant	Realist
7665	Patil Anuja Dattajirao	Dabl.
7666	Patil Saurabh Ashok	-A-palit
7667	Patil Sanyogita Sanjay	-880_
7668	Patil Vijayraj Maruti	Ame.
7669	Patil Akanksha Ashok	Aprila
7670	Patil Sujay Subhash	Setil
7671	Patil Snehal Namdev	A.P
7672	Patil Shilpa Shivaji	Statil
7673	Patil Shubham Dileep	Tahl
7674	Patil Omkar Dhanaji	Emkat
7675	Patil Sankalp Vishvanath	Statil
7676	Patil Omkar Keshav	Patril
7677	Patil Aakansha Bhimarao	Spatil
7678	Patil Divya Ramesh	Datil
7679	Patil Omkar Janaba	Omkat
7680	Pawar Aakash Anandrao	Master
7681	Phonde Vaishnavi Dinkar	Premae
7682	Pirai Omkar Baban	Quai
7683	Powar Mayuri Pandurang	Planoe
7684	Powar Harshdeep Deepak	House



7685	Rane Rohit Ramdas	RRape
7686	Sawant Aarti Ashok	Acuiant:
7687	Sayyad Alsaba Javed	paymas
7688	Shelar Avinash Sanjay	Andae
7689	Shinagare Bharat Shivaji	Shinge
7690	Singh Rohit Sanjay	Shah
7691	Sonkamble Rohan Raju	Robar.
7692	Sutar Deepak Vishvanath	Tular
7693	Ulape Nisha Palhad	Milape.
7694	Ulape Manali Dattatray	MUJape
7695	Valunj Amarja Digambar	Avalyni
7696	Velhal Vyankatesh Hemant	Velheit
7697	Yadav Durga Vaijanath	godau.
7698	Bagwan Bebihafsa Rafik	Regness
7699	Bansavade Omkar Devdas	Brosag
7700	Bendke Mukta Vikas	MRendike
7701	Bhandari Pratiksha Kiran	Sachen.
7702	Bhatale Sachin Sakharam	Charle
7703	Bhosale Sneha Arun	Inha.
7704	Carvalho Alex Motes	(A)Om
7705	Chavan Satish Rangrao	&al-fah_
7706	Chokakkar Viraj Vijay	()
7707	Choudhary Ruchita Pralhadray	Ruchartes
7708	Chougale Priyanka Bajirao	Pravawe
7709	Chougale Rohit Rajendra	Rhe
7711	Dabholkar Pratik Vijay	Trans.
7712	Dalavi Pandurang Narayan	Palavi
7713	Devardekar Unmesha Sunil	Unmerha
7714	Ekal Prathamesh Shivanand	Rathagesh
7715	Gadade Jeeavan Ankush	Operadade
7716	Gaikwad Amrita Prakash	Consita
7717	Gavali Mansi Sunil	marale.
7718	Ghorpade Dattatray Vishnu	Channel
7719	Gotkhinde Shrutika Bharat	83-
7720	Jadhav Digvijay Suresh	Sodher
7721	Jangam Shivkrupa Pramod	SAL
7722	Kamble Mrunali Ramesh	Meamble
7723	Kamble Snehal Balaso	Fromble
7724	Kamble Digvijay Pandurang	Famble
7725	Kamble Pratiraj Prakash	Konble_
7727	Karale Shubham Mansing	Spubhern.
7728	Kasar Siddhant Shashikant	Bucal
7729	Kashidkar Kishor Balaso	Kkothida
7730	Kasture Yashdeep Anand	Yastures
7731	Khambe Manisha Madhukar	Akhanise
7732	Khatkale Prashant Prakash	troubant
7734	Kodag Sneha Shivaji	Skodag



		Sayali
7735	Koli Sayali Santosh	(AC)
7737	Kumbhar Akshay Dadaso	Landbat =
7738	Kumbhar Pratiksha Appaso	andhe
7739	Londhe Pradnya Ashok	Mindle
7740	Marathe Kunal Sandeep	P.S. Marda
7741	Mardane Pratiksha Shrikant	Rate_
7742	Mote Ramesh Annappa	1 lane
7743	Mullani Kashish Sameer	[Naga(i)
7744	Nagarji Rahim Nurmahamad	Nauc
7745	Nhavi Shivanand Balesh	Right
7746	Nikam Sneha Bajarang	Fram
7747	Nirmalkar Mayuri Chandrakant	C. Lie
7748	Paladiya Priyanka Shantilal	the dist
7749	Patharut Shubham Shrikant	gatharu
7750	Patil Sourabh Suhas	501
7751	Patil Shivani Dilip	Paul
7752	Patil Afanan Ashafak	A CO
7753	Patil Akanksha Dhanaji	A V Fat
7754	Patil Nishigandha Shahaji	Entil
7755	Patil Rutuja Bhanudas	batil
7756	Patil Akshata Ravindra	Apatia
7757	Patil Nandini Sunil	Neathle
7758	Patil Rushikesh Eknath	Haril
7759	Patil Rushikesh Vishwas	ted!
7760	Patil Shivali Balaso	Chatil
7761	Patil Tejal Tanaji	Bata
7762	Patil Saurabh Dinkar	Situ
7764	Patil Mayuri Tukaram	Fall
7765	Pawar Pratiksha Ramesh	1 same
7766	Pawar Sumit Sanjay	Super
7767	Powar Supriya Madhukar	- True
7768	Powar Vaishnavi Shankar	V. 5. P.
7769	Powar Kareena Sunil	of proces
7770	Raghani Ritik Dinesh	Baghasi
7771	Ramsing Bhagyashri Shamrao	Ramsing
7772	Rathod Pramod Ramesh	Kathost
7773	Sabale Abhishek Dattatray	EAST TO THE REAL PROPERTY OF THE PARTY OF TH
7774	Sajnikar Divya Netaji	Fivya_
7775	Sankpal Prajakta Bajirao	Gilya
7776	Sardesai Rutuja Rahul	Pulinga
7777	Savant Komal Anil	Savant
7778	Sharma Ankita Raviraj	- Fakita
7779	Shinde Rutuja Sunil	Kunder
7780	Shinde Prajakta Ramchandra	16hoda
7782	Shinde Dhanashri Dadaso	1 Stade
7783	Shinde Neha Dattatray	Neha
7784	Shinde Abhishek Vilas	Applicable



7785	Shinde Abhijeet Vilas	Ashinde
7786	Shinde Manisha Appasaheb	photomolo
7787	Shirale Sayali Rajendra	Sayau
7788	Sury vanshi Smital Jaysingrao	Smitale
7789	Talekar Prathmesh Sambhaji	Taletso
7790	Tandale Purva Shirish	Pandale
7791	Ubale Akanksha Kumar	Chde.
7792	Vadgave Sakshi Shamsundar	Valorie
7859	Jangate Ajit Sukumar	A
7860	Kadam Archiet Chandrakant	Bunne
7861	Kamble Tejashri Sambhaji	Kanible
7862	Kamble Rahul Deepak	hait
7863	Koundade Shubham Ravindra	Shirphan
7864	Mahajan Sakshi Anil	Mahayan
7865	Patil Shivam Baliram	Splich
7866	Patil Rohan Ashok	Palit
7867	Patil Shubham Sanjaykumar	Fertil
7868	Patil Sammed Rajgonda	Calil
7869	Patil Pooja Ravalu	Coyu
7870	Patil Vaishnavi Dashrath	Vali
7871	Pawar Aishwarya Chandrakant	Lawie.
7872	Powar Prashant Vishal	Que
7873	Salunkhe Kalyani Sanjay	Kealunkhe
7874	Sawant Bhakti Arun	Shakti
7875	Shaikh Muskan Mohiddin	Tshqueh
7877	Shinde Pratik Chandrakant	Parinde
7878	Sutar Vishwajeet Ganesh	Sitat
7879	Yadav Saiprasad Shrinivas	- Jacky
7880	Yamgarnikar Snehal Nitin	Dochel
7881	Baganikar Sanket Suhas	Enicket
7882	Chougale Niranjanee Nandkumar	Nicarjance
7883	Chougale Shubham Pandurang	Schoriage
7884	Ghotane Sagar Umesh	Sahoter
7885	Hande Rutuja Raju	Rutuja
7886	Hegade Vaishnavi Kiran	Oto
7887	Kamble Prajakta Sundar	flomble
7888	Kamble Yash Balu	YBK
7889	Kamble Shubhangi Prakash	Skamble
7890	Karoshi Spurthi Mallikarjun	Kaitshi
7891	Kharade Nisha Narayan	Nhorele
7893	Nille Aishwarya Sachin	Wille.
7894	Nimbalkar Manasi Arun	Apmons 1 s
7895	Pathare Akshata Nitin	Apathore
7896	Patil Snehal Vilas	Ton'
	Patil Amruta Amar	America
7897	Patil Shivam Rajendra	Postilge
7898 7899	Patil Vinod Vijay	(1) met

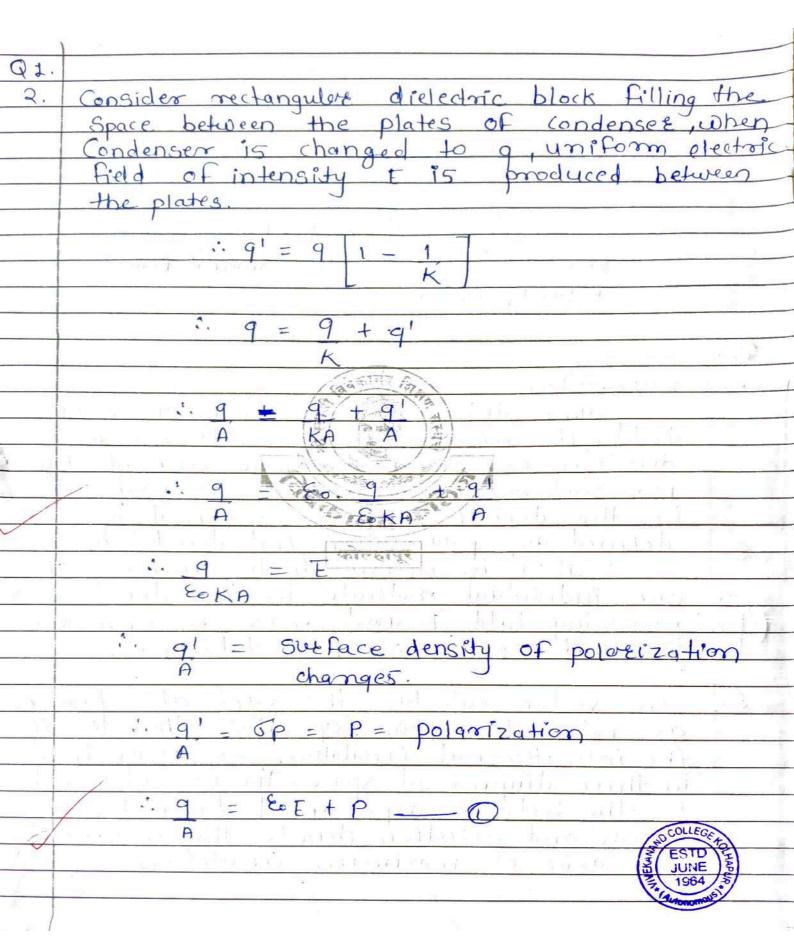


7900	Patil Gautam Yashwantrao	and the
	Sasne Rutyik Sambhaji	Futrik-
7901 7902	Shete Aditi Sunil	Adit
	Todkar Sharvari Sanjay	School .
7904	Urane Rachana Raju	wane
7905	Valvi Rajendra Ravidas	Ryant
7906	Yaday Rutuja Deepak	Jodan
7907		Salu
7908	Patil Shritej Subhash Patil Abhishek Sanjay	Larye
7909		Smem!
7910	Sasawade Shivani Bhikaji	Rouran
7911	Gurav Rutuja Ravindra	Eval
7912	Sawant Swati Ajit	Kneson
7914	Gurav Akshay Sambhaji	(1) Kumphal
7915	Kumbhar Pranoti Sunil	Part.
7916	Patil Nisha Bharat	Madim
7917	Magdum Harshvardhan Rajkumar	A worker
7918	Kesarkar Abhishek Narsingrao	7
7919	Patil Sohan Ramesh	tealugade
7920	Kalugade Sourabh Ravindra	Tribust-
7921	Adkurkar Supriya Balu	The state of the s
7922	Sawant Rohini Vitthal	Samant
7923	More Rutuja Bajirao	(Picto
7924	Chavan Siddhi Milind	Namen
7925	Amate Punam Vitthal	
7926	Bharmal Pritam Prabhakar	peiton

Internal Examinar. (Dr. M.M. Karanj kar)



।। ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ।। 34061 - शिक्षणमहर्षी डॉ. बापूजी सार्बुखे Shri Swami Vivekanand Shikshan Sanstha Kolhapur's KANAND COLLEGE, KOLHAPUR (AUTONOMOUS) Signature SUPPLIMENT of Supervisor Electricity & magnetism Suppliment No. : Test/Tutorial No.: Internal Exam Roll No. 7525 B. Sc. J, Sem-II Class Q2. polarization 3. maximum Circulation



The quantity (80 F+P) is called dielectors displacement denoted by D : D = & F + P - @ hence Dalso is a vector in direction = EOE + F

।। ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ।।

- शिक्षणमष्ट्रवी डॉ. बायूजी सार्कुखे

34059

Shri Swami Vivekanand Shikshan Sanstha Kolhapur's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

SUPPLIMENT

(-18

Suppliment No.

Roll No. : 7533

Class : BSc-I. Sem-I

Signature of Supervisor

Subject: Electricity & magnetism

Test/Tutorial No.: Internal exam

Div. :

Polarization-

When a dielectric is placed in an electric field. Its molecules become polarised in the direction of the field. The total electric field dipole moment acquired per unit volume of the dielectric. Substructe in the direction of the external (polarising) field is defined as the polarization and is denoted by P. It is Jector quantity and is in the direction of the polarising field E. Its S. I unit is confound Imeter? (CIM?.

TF P is the electric dipole moment of each individual molecule in the direction of the polarising field F and n is the number of molecules per unit volume of the substance, then P = mp. The charge polarity and 21 is the distance between the poles of an electric dipole.

COLLEGE TO STATE OF THE PROPERTY OF THE PROPER

(2.2)	
3>	In vector calculus, the curl also known as rotor is a
	vector operator that describes the Infinitesimal circulation of a
	Vector field in three-dimensional Space. The curl at a point
	in the field is represented by a vector whose length and
	direction denote the magnitude and axis of the maximum
	circulation. The curl of a field is normally defined as the
	circulation density at each point of the field.
10	A vertor field whose curl is zero is called
	irrotational The curl is form of a differentiation for
-/	Godor fields. The corresponding form of the fordamental
	theorem of Stroker theorem.
	The state of the s
5	the bold of the first the state of the state
Q.1>	part district the second of the second of the second of
_ 2)	consider a rectangular dielectic black filling the space
	between the plates of a condenser when the condenser is
1	changed to q, uniform dected field of intensity = is produced
	between the plates. If A is the area of each plate
	and k is the dielectric constant of the block then
	I have the transfer simple intends in the charter of the
	was a first pring ed og (121) to contamble to the to the total of the
	11 11 119 = 91 1 11 1 20 miles 1 1 1 + 1
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	9 9 9'
	A EA A
	9 = 60.9.9
	A EO KA A ESTO OF THE
	But 9° = E
	ECKA
3	

