

PIR MEHR ALI SHAH

ARID AGRICULTURE UNIVERSITY RAWALPINDI

Exam Attendance Sheet

UIIT

BS(CS)(Evening)

Course Code: PHY-403

Course: Applied Physics

Session: SPRING-23

Section: A		Teacher: Samiul	Exam Date:		
Sr.#	Registration No.	Student Name		Answer Sheet	Student's Signature
1	20-ARID-679	DANIYAL MEHMOOD	13	102733	DANTHAL
2	21-ARID-534	ABDUL HADI MIR	14.5	102734	(4(2))56
3	21-ARID-537	AHMED ALI MALIK	09	102735	Alund.
4	21-ARID-543	ALI HAIDER	8.5	102736	and .
5	21-ARID-544	ALI HAMZA	08	162757	Zuna
6	21-ARID-548	ALVEENA TAJ	12.5	202737	Hans
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8	21-ARID-552	AMNA PERVAIZ	1 6 ·5	102739	AAA
9	21-ARID-553	ANAS RAFIQ	16.5	102740	Anas
10	21-ARID-554	AQSA MUKHTAR	14.5	102741	1344
11	21-ARID-555	ARBAZ	06	102742	Que
12	21-ARID-561	AYESHA WAHID	14	(02743	April -
13	21-ARID-564	DAMAN ALI BABAR	13	102744	102744 Kh
14	21-ARID-568	FAIZAN NABI	13.5	102745	fre .
15	21-ARID-575	HAMZA IRFAN	09	102746	A3-
16	21-ARID-581	HUSSNAIN ZIA	Ц	102747	HUB
17	21-ARID-583	JUNAID AHMED KHOKHAR		102781	Junuid.
18	21-ARID-585	KANWAL MUMTAZ	17	102746	kel.
19	21-ARID-588	M HUSNAIN AMJAD		102749	COPPLS
20	21-ARID-590	MALIK EHTSAM ALI	11.5	101780	pleuste.
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Number Of Student Present Invigilator's Name & Signature



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	21-ARID-613	MUHAMMAD ARSLAN ATTIQUE	10:5	102754	Als.
	21-ARID-616	MUHAMMAD DAEM ALI	11	225101	Marry Li
	21-ARID-617	MUHAMMAD EHSAN YAQOOB	14.5	102756	-
	21-ARID-619	MUHAMMAD HASSAN	13.5	102782	27-60
	21-ARID-620	MUHAMMAD HASSAN	12.5	162758	Rufer
	21-ARID-624	MUHAMMAD IBRAR KHAN	12.5	102759	Market .
	21-ARID-625	MUHAMMAD IKRAM ULLAH KHAN	9.5	102760	Az-
	21-ARID-630	MUHAMMAD OSAID ABBAS	8.5	102761	mesgid
	21-ARID-631	MUHAMMAD QADEER ASGHAR	11	102762	70
,	21-ARID-632	MUHAMMAD QASIM BHATTI	16.5	102763	130 P
4	21-ARID-634	MUHAMMAD REHAN TARIQ	14.5	102764	Duy
5	21-ARID-639	MUHAMMAD SIDDEEQ	12.5	102765	& Jours .
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38	21-ARID-645	MUHAMMAD ZOHAIB SHABBIR	12	102768	Av Av
39	21-ARID-648	MUQADAS EJAZ	13.5	102769	(soudre)
40	21-ARID-653	NAWAIRA YASIN	13	102770	frugal .
41	21-ARID-655	QAISAR ABBAS	15	102771	and San
42	21-ARID-660	RIMSHA PERVAIZ	17	102772	Rimphon Perve
43	21-ARID-666	SAQUIB ALI	15	02413	StoA .
44	21-ARID-678	UBAIDULLAH	16-5	102774	
45	21-ARID-680	UMAR BASHEER	14.5		Cus.
46	21-ARID-683	WAJID ABBAS	10	702776	(Myic)
47	7 21-ARID-684	ZAHEER AKBAR	10	102777	2/3//
4	8 21-ARID-688	ZULQURNAIN HAIDER	13.5	102778	Olecco.





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49 21-ARID-912	AHMAD ABDULLAH TARIQ	12.5	102779	A
11-A-676	Taha Ali Hashmi	16.5	102786	Dlie.



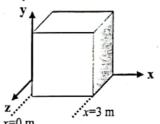
PMAS Arid Agriculture University Rawalpindi University Institute of Information Technology

Midterm Exams

Applied Physics, BSCS, Section (A)

Time Allowed: One Hour Total Marks: 6×3=18

Q. 1(a) A nonuniform electric field given by E = 2x i + 2j pierces the Gaussian cube shown in Figure (E is in newtons per coulomb and x is in meters.) What is the electric flux through the right face, the left face, and the top face?



ΦR= 54 Nm²/c

- (b) Find electrical field between two parallel conducting plates with opposite surface charge densities.
- Q. 2(a) Four particles form a square of edge length a = 2 cm and have charges $q_1 = 5$ C, $q_2 = 10$ C, $q_3=10$ C, and $q_4=5$ C. What net electric field do the particles produce at the square's center? (03) $\mathcal{E}_{int}=0$ N/C
- Q. 3(a) Two particles with charges $q_1 = 6 C$, $q_2 = 4 C$, placed at a distance r = 2 cm from each other. Find the magnitude of electrostatic force. (b) Find the mathematical expression for electric field due to a charged disk.
- other. Find the magnitude of electrostatic force.
- 54x1013 N (b) Why the electric lines of force never cross each other? (02)
- (1 point charge (c) What are the limitations of Coulomb's law? (02)

*** Good Luck ***