

2007 (A)

Time : 3 Hrs.

D1G
Engg. Phy. Pr.

Full Marks : 40

Pass Marks : 16

1. Each question carries equal marks.
iR; d i/u dk eku cjkj gA
2. Examiners will allot **any one** experiment from the undermentioned experiments to the examinee / group of examinees by lottery to perform the experiment according to the question.
ijh{k d fuEukidr ; kxka ea l s fdl h , d ; kx dk vkob/u ijh{k{kfkz@ijh{k{kfkz ka ds l eng dks YkkWjh }kjk djaks, oa i/u&i = ds vuq kj iz kx djus dk funzk nxA
3. Marks are to be distributed in the following orders :
vcdks dk forj.k fuEu çdkj fd; k tk; %

	<u>Intrn.</u> <u>Comm.</u>	<u>Extn.</u> <u>Comm.</u>
(a) Practical exercise book oxl ea fd; s x; s ç; kxka dh i flrdk	5	10
(b) Process of experiment and result ijh{k.k dh fof/k , oa fu"d"lz	10	10
(c) Viva voce ekf[kd ç'u	5	

1. Measure the radius of curvature of the convex surface with the help of spherometer.

LQjkeiVj dh I gk; rk I snh x; h mÜky I rg dh oØrk f=T; k Kkr djA

2. Use a screw guage to measure the thickness of given glass sheet.

LØwxst dh I gk; rk I sfn; sx; s dkp ds pnjs dh ekv/kbz eki A

3. Find the internal diameter of the ring using a slide callipers.

fn; sx; soy; dk vkrfjd 0; kl LykbM dSyhi I Zdh I gk; rk I s Kkr djA

4. Determine the ratio of equivalent resistances of two coils connected in series and parallel using meter bridge.

nksdqMfy; kadsJskhØe , oal ekuklrj I a kstu ds I eriy; i frj kakk

dk vuqkr ehVj fctt dh I gk; rk I sKkr djA

5. Study the variation of time period of simple pendulum with length of the thread.

I jy nkyd ds /kxs dh yeckbz ds I kfk ml ds vkoÜkZky ds ifjorü dk vè; ; u djA

6. Draw a graph between the intensity of light and the current produced in a photo cell.

i dkk' k dh rhork , oa Qks/ks I sy eamRi uu fo | r /kjk ds chp , d xkQ [khpA

7. Measure the resistance of the given coil using post office box.

nh x; h dqMyh dk i frjksk i k.V vkrQI ckDI dh I gk; rk I sKkr djA

8. Use a spherometer to find the thickness of given glass piece.

LQjkeIVj dk 0; ogkj dj rsgq fn; sx; s dlp ds VpM+dh ek/kbZ fudkyA

9. Determine the diameter of the wire with the help of screw guage.

LØwxst dh I gk; rk I srkj dk 0; kl fudkyA

10. Measure the internal diameter of the cylinder using slide callipers.

LykbM dSyhi I Zdh I gk; rk I scsyu dk vkUrfd 0; kl eki A

