

2007 (A)

Time : 3 Hrs.

D1G
Engg. Chem. 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 ç; kxka ea l s fdl h , d ç; kx dk vkod/u ijh{kFkhz@ijh{kFkz ka ds l eng dks YkkWjh }kjk djks, oa i/u&i = ds vuq kj iz kx djus dk funk nxA
3. Marks are to be distributed in the following orders :
vdk 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. Prepare the following derivatives :

(a) Calcium carbonate from Calcium oxide.

(b) Barium Sulphate from Barium Chloride.

uhpsfn; sx; s0; Bi Uuka dks r\$ kj dja%

(a) dSY'k; e vkDI kbM I s dSY'k; e dkckLs/A

(b) cfj; e DykjkbM I scfj; e I YQs/A

2. Find out the quantity of sodium carbonate per litre in a mixture of sodium carbonate and sodium hydroxide solution supplied.

fn; sx; s I kSM; e dkckLs/ rFkk I kSM; e gkbMRDI kbM ds?kksy ds

feJ.k ea i fr yHVj I kSM; e dkckLs/ dh ek=k Kkr dja

3. Analyse the given salt qualitatively.

fn; sx; syo.k dk xqkkRed fo'ySk.k dja

OR,

You are given three sample of salt. Identify their acid radicals.

vki dksyo. kka dk rhu ueuk fn; k x; k gA bl dsvEyh; eydkadh i gpku dja

4. Find out the percentage of Calcium in a given sample of Calcium Carbonate.

dSY'k; e dkckLs/ dsfn; sx; suemus ea dSY'k; e dh i fr'kr ek=k dk ifjdyu dja

5. Find the pH value of water sample by pH meter.

pH ehVj dh I gk; rk I sty dsueus dk pH eku Kkr dja

* * *