

LANET JOINT EVALUATION (LANJET 2022)

CHEMISTRY CONFIDENTIAL
233/3

In addition to fittings and apparatus found in a chemistry laboratory, each candidate will require.

1. About 120cm³ solution A.
2. About 120cm³ solution B.
3. About 100cm³ solution C.
4. About 0.5g of solid D in a stoppered and container.
5. About 0.2g of solid E
6. About 0.5g of solid F.
7. One pipette
8. One 250cm³ volumetric flask.
9. One burette
10. Two conical flasks
11. 8 clean dry test tubes.
12. Test tube rock.
13. Thermometer.
14. Two boiling tubes.
15. Filter paper.
16. One blue and one red litmus paper.
17. One 10ml measuring cylinder.
18. About 500ml distilled water in wash bottle.
19. Test tube holder
20. One pH chart range 1 – 4 and unwashed indicator paper.
21. Spatula
22. Two pieces of label.
23. 10cm³ of 2MHCl.

ACCESS

24. Methyl orange with a dropper
25. Bunsen burner
26. 2MNH_{3(aq)} with dropper.
27. Acidified potassium dichromate (25g of K₂Cr₂O₇ in 200 of 2MH₂SO₄ then top it to 1litre)
28. Acidified potassium manganate VII (3.2g of KM₂O₄ in 200cm³ of 2MH₂SO₄ then top it to 1 litre)

1. Solution A prepared by dissolving 50cm³ of 1.84g/cm³(98%). Conc sulphuric (VI) acid in about 600cm³ of distilled under the dropping it up to 1l.
2. Solution B prepared by dissolving 8g of Na₂CO₃ in distilled water and topping it to 1 litre.
3. Solution C prepared by dissolving 60g of NaOH to about 700cm³ of distilled water, top it up to 1 litre.
4. Solid D is copper (II) carbonate
5. Solid E is iron powder.
6. Solid F malleic acid.