Ministry of Education
Grade11

## Supportive Test 2023

34

Science I/II

## Answer script

Science Paper 1

| Question <br> number | nswer <br> number | Question <br> number | Answer <br> number | Question <br> number | Anmswer <br> number | Questiom <br> number | Answer <br> number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | $(1)$ | 11. | $(1)$ | 21. | $(3)$ | 31. | $(2)$ |
| 2. | $(1)$ | 12. | $(4)$ | 22. | $(3)$ | 32. | $(3)$ |
| 3. | $(4)$ | 13. | $(2)$ | 23. | $(3)$ | 33. | $(1)$ |
| 4. | $(3)$ | 14. | $(3)$ | 24. | $(1)$ | 34. | $(4)$ |
| 5. | $(3)$ | 15. | $(2)$ | 25. | $(3)$ | 35. | $(4)$ |
| 6. | $(3)$ | 16. | $(2)$ | 26. | $(2)$ | 36. | $(1)$ |
| 7. | $(3)$ | 17. | $(2)$ | 27. | $(1)$ | 37. | $(4)$ |
| 8. | $(1)$ | 18. | $(2)$ | 28. | $(3)$ | 38. | $(1)$ |
| 9. | $(3)$ | 19. | $(4)$ | 29. | $(1)$ | 39. | $(1)$ |
| 10. | $(3)$ | 20. | $(3)$ | 30. | $(4)$ | 40. | $(2)$ |







|  |  | (iii) |  | $\mathrm{Zn}(\mathrm{s}) \longrightarrow \mathrm{Zn}^{2+}($ aq $)+2 \mathrm{e}$ | 01 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | (iv) | (a) | Zn | 01 |  |
|  |  |  | (b) | Welding to the hulls of the ships sailing in the sea / Coating under <br> ground Gl pipes. | 01 |  |
|  | (B) | (i) | (a) | PVC- Gutters, Water pipes, conduits and flexible pipes. | 01 |  |
|  |  |  | (b) | Teflon- Making non- stick cooking pans, snow shoes. | 01 |  |
|  |  | (ii) |  | Ethene | 01 |  |
|  |  | (iii) |  | Starch / rubber/protien /Cellulose | 02 |  |
|  | (C) | (i) | (a) | Bulb glows and off | 01 |  |
|  |  |  | (b) | From X to Y | 01 |  |
|  |  |  | (c) | Flemming's right hand rule. | 01 |  |
|  |  | (ii) | (a) | $\frac{V_{p}}{V_{s}}=\frac{N_{p}}{N_{s}}(01) \quad \frac{0.25 V}{V_{s}}=\frac{100}{1200}(01)$ | $V_{S}=12 \times 0.25=3 \mathrm{~V}(01)$ | 01 |
|  |  | (b) | Dynamo/ Moving coil microphone | 20 |  |  |
|  |  | (iii) | (a) | To Q | 02 |  |
|  |  | (b) | Direct current motor | 01 |  |  |

