Data Table:

Table 6.1 for obtaining V curve

| SI. | Field | Field | Armature | Active | Reactive | Power |
|-----|---------------------------|----------------------|----------------------|----------|----------|------------|
| No. | Voltage, | Current, | Current, | Power, | Power, | factor ,pf |
| | V _{field} (Volt) | I _f (Amp) | I _A (Amp) | P (Watt) | Q (VAR) | iactor ,pr |
| 01. | 20.51 | 0.040 | 0.461 | 22.4 | 105.2 | 0.2083 |
| 02. | 37.45 | 0.082 | 0.375 | 21.2 | 85.8 | 0.2399 |
| 03. | 4.82 | 0.105 | 0.321 | 20.6 | 72.7 | 0.2726 |
| 04. | 55.52 | 0.125 | 0.296 | 19.5 | 65.8 | 0.2841 |
| 05. | 60.38 | 0.136 | 0.274 | 19.1 | 60.6 | 0.3006 |
| 06. | 65.01 | 0.150 | 0.260 | 18.7 | 58.0 | 0.3069 |
| 07. | 71.17 | 0.157 | 0.230 | 18.3 | 51.5 | 0.3348 |
| 08 | 78.19 | 0.172 | 0.202 | 17.4 | 44.2 | 0.3663 |
| 09. | 82.77 | 0.180 | 0.189 | 17.3 | 41.2 | 0.3872 |
| 10. | 87.08 | 0.191 | 0.170 | 17.2 | 36.2 | 0.4292 |
| 11. | 91.33 | 0.202 | 0.157 | 16.9 | 32.6 | 0.4602 |
| 12. | 97.82 | 0.218 | 0.134 | 16.5 | 26.6 | 0.5271 |
| 13. | 105.5 | 0.227 | 0.110 | 16.7 | 20.8 | 0.6261 |
| 14. | 112.8 | 0.247 | 0.091 | 16.5 | 14.0 | 0.7625 |
| 15. | 119.2 | 0.258 | 0.080 | 16.0 | 9.00 | 0.8716 |
| 16. | 128.2 | 0.276 | 0.069 | 15.7 | -6.10 | 0.9321 |
| 17. | 139.7 | 0.301 | 0.088 | 15.7 | -13.10 | 0.7678 |
| 18. | 146.9 | 0.317 | 0.104 | 14.9 | -19.10 | 0.6151 |
| 19. | 150.6 | 0.320 | 0.115 | 15.3 | -20.10 | 0.6057 |
| 20. | 156.7 | 0.329 | 0.126 | 17.0 | -24.40 | 0.5717 |
| 21. | 168.8 | 0.355 | 0.164 | 16.8 | -134.8 | 0.1237 |
| 22. | 177.0 | 0.370 | 0.190 | 16.8 | -132.8 | 0.1255 |