

Rank Improvement Batch.

Machine WB Answer Key

DC Machine

- 1-c
- 2-a
- 3-c
- 4-c
- 5-b
- 6-b
- 7-d
- 8-a
- 9-13.98 Ω
- 10-a
- 11-d
- 12-d
- 13-b
- 14-b
- 15-c
- 16-c
- 17-c
- 18-285.50 AT/pole
- 19-a
- 20-a
- 21-209.4
- 22-219.6
- 23-a
- 24-b
- 25-d
- 26-b
- 27-1028
- 28-a
- 29-404
- 30-0.297 Tesla
- 31-a
- 32-a
- 33-1037 rpm
- 34-d
- 35-a
- 36-c
- 37-
- 38-c
- 39-d
- 40-5.1 kW
- 41-b
- 42-84.57
- 43
- 44-c
- 45-b
- 46-
- 47-b
- 48-a
- 49-c
- 50-b
- 51-a
- 52-1.77
- 53-3.6 Ω
- 54-57
- 55-63.85A
- 56-a
- 57-81 N^m
- 58-

Transformer

- 1-b
- 2-b
- 3-c
- 4-c
- 5-d
- 6-d
- 7-c
- 8-c
- 9-337.83 cm²
- 10-d
- 11-b
- 12-a
- 13-a
- 14-d
- 15-a
- 16-c
- 17-d
- 18-c
- 19-b
- 20-b
- 21-a
- 22-b
- 23-a, b, c
- 24-a, c, d
- 25-d
- 26-d
- 27-b
- 28-b
- 29-d
- 30-95.92%
- 31-15.65A
- 32-3.556 Ω
- 33-98.29%
- 34-d
- 35-
- 36-a
- 37-a
- 38-235.66 V
- 39-30°
- 40-a
- 41-c
- 42-d
- 43-b
- 44-95.98%
- 45-17.88A
- 46-b
- 47-b
- 48-a, b, c
- 49-635.259 kVA
- 50-a, b, d
- 51-
- 52-2600W
- 53-3.7%
- 54-c
- 55-0.813
- 56-b
- 57-c
- 58-a
- 59-c
- 60-2600W
- 61-
- 62-c
- 63-96.77%
- 64-333.33 rpm

Transformer - 65 → 67.9 A
 66 - 75.59 A
 67 - 7.52 %

68 - a
 69 - a

Induction:-

1 - C 31 - 2.0625 kW
 2 - C 32 - 0.3
 3 - C 33 - 53.33 %
 4 - C 34 - 92.89 Nm
 5 - a 35 - C
 6 - 0.21 36 - 12.12 A
 7 - 432.9 37 - 21.09 A
 8 - b 38 - 156.09 μF
 9 - d 39 -
 10 - a 40 - 840 rpm
 11 - a, c, d 41 - 0.1206 Ω
 12 - a, b, c 42 - a
 13 - b, c 43 - 497.5 W
 14 - a, b, c 44 - C
 15 - a 45 - 29.49 kW
 16 - d 46 - 0.03
 17 - d 47 - 0.09 r/ph
 18 - u.p.f. 48 - a
 19 - d 49 - d
 20 - 47.77 50 - 0.335
 21 - 180 51 -
 22 - 0.176952 52 -
 23 - 1:2:5 53 - (-1)
 24 - b 54 - b
 25 - 382.16 N-m
 26 - b
 27 - 22.04 HP
 28 - a
 29 - C
 30 - 39.42 Nm

Synchronous

1 - a 31 - d
 2 - b 32 - b
 3 - 61.12° 33 - d
 4 - b 34 - 2083.33
 5 - 1000 V 35 -
 6 - d 36 - a
 7 - b 37 - 5302.54
 8 - a 38 - a
 9 - a 39 - 16.667
 10 - b 40 - a
 11 - a 41 - b
 12 - C 42 - 8.857 Ω
 13 - b 43 - a
 14 - 44 - b
 15 - b 45 - 394.66
 16 - 46 - b
 17 - 47 - d
 18 - d 48 - d
 19 - b 49 - 7161.64
 20 - 50 - 187
 21 - 13.1 % 51 - C
 22 - 21.14 %
 23 - a
 24 - C
 25 - b
 26 - 29.28 MW
 27 - 0.925
 28 - b
 29 - a
 30 - C