**NEED CORRECTION**

**Exp. 1 – Familiarization with the Electrical Equipments.**

**Theory –** Caption is missing for all the figures

Same theory found in Digital and Analog ammeter

Write down the caption below the figure of electric motor.

**Simulation**>**Transformer**

a) Faraday law of magnitude is wrong

b) Potential transformer instead of voltage transformer

c) Not include Autotransformer in inst. Transformer

d) **On the basis of the supply**>Write full name i.e., Add Transformer word in both

e) **Instrument transformer> 1A/5A**

**>Electric Motor- a) Add Special motor in types of motors.**

**b)** Motors can run both on DC or AC supply.

c) Series DC motors can run both AC & DC supply.

**Exp. 2 – a) To verify kirchhoff's voltage law**

**Theory -** Loop 2 Eqn is wrong

**Pretest -** 7 & 9th answer is wrong

**Procedure -** Steps is not correct

**Simulation**- Node no. is missing in simulation & Instructions, graph & Print button work pending

**b) To Verify KCL**

**Procedure-** Need modification in steps

**Simulation-** Node no. is missing in simulation & Instructions, print button not working.

**Posttest-** 8th

**Exp. 3 – a) To verify Superposition theorem**

**Theory-** Statement spelling and eqn.

**Pretest-** Option repeating in 3rd question

**b) Norton Theorem**

**Pretest-** 8th answer is wrong

**Post test-** 7th fig is wrong & spelling mistake of resistance

**c) MPT Theorem**

**Pretest-** Spelling mistake of transfer in 1st quest.

**Post test- (i)** Spelling mistake of transfer in 1st quest. & for in 5th quest.

**(ii)** Ckt diagram is missing in 4th and 6th quest.

**d) Thevenin Theorem**

**Theory-** Review

**Pretest-** Space after Rth in 2nd quest. & in 5th quest. after Vth.

**Post test-** 2nd & 3rd answer is wrong. Correct answer for 2nd is 6.67V & for 3rd is 3.67ohm.

**Exp. 4 – Improvement of power factor using capacitor**

**Theory-** Power spelling mistake above apparent power line and add content related to capacitor from electrical4u site.

**Pretest- (i)** Condenser spelling mistake and correct none of the above in 5th quest. option

**(ii)** Load spelling mistake in 8th quest. option

**(iii)** Correct All of the above in 9th quest. option

**Post test- (i)** Correct Any of the above in 6th quest. option

**(ii)** Correct double space in 7th & 8th quest.

**(iii)** 10th quest. is same as 9th one.

**Exp. 5 – Two Wattmeter Method**

**Pretest-** Correct double space in 2nd & 3rd quest. and rearrange sentence as In a two wattmeter power

Correct double space in 6th, 7th & 9th quest.

**Post test-** Correct double space in 2nd, 3rd , 7th , 9th & 10th quest.

**Exp. 8 – To study the efficiency of single phase transformer by load test.**

**Theory-** With word spelling mistake & correct ? mark in efficiency formula

**Pretest- (i)** Write All of the above in 1st  & 5th quest option

**(ii)** Inductive load instead of indicative load in 4th quest. option

**(iii)** Delete not word in 1st option of 6th quest.

**(iv)** Use angle sign instead of arrow in 8th quest. option

**(v)** Correct space in percent spelling in 10th quest. option

**Post test-** **(i)** Write Power transformer instead of normal in 2nd quest.

**(ii)** Correct double space in 6th & 7th quest. & correct or spelling in 6th quest. option

**(iii)** Use slash sign in b/w 400/200V in 7th quest.

**Exp. 10 – Torque speed Characteristics**

**Theory- (i)** Correct 120 deg symbol& Ns-Nr/Ns… s is not in correct position

**(ii)** Correct if 3 is plotted line Sentence& 4th eqn no. is missing

**(iii)** alignment of text is not proper below fig 3 & make last T=(W1-W2) eqn as 5th eqn

**Pretest- (i)** Not word in capital in 1st quest & verify answer of 1st quest.

**Pretest- (i)** Correct double space in 3rd quest.

**(ii)** Add is after T in 4th quest. option

**(iii)** 7th answer is wrong

**Post test- (i)** Roman no. is not in proper alignment in 2nd quest. & use small vs in 4th quest.

**(ii)** Correct double space in 9th quest. & give space in b/w no. & Hz in option

**(iii)** Write KW in capital in 10th quest. option & give space before KW in option & quest. also