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**1. Hysteresis of an instrument means:**

- a) The change in the same reading when input is first increased and then decreased
- b) The reliability of the instrument
- c) The repeatability of the instrument
- d) The inaccuracy due to change in temperature

ANSWER : A

**2. In which part of the scale does the pointer indicate more accurately**

- a) In the first third of the cycle
- b) In the first half of the cycle
- c) In about middle of the scale
- d) In the last third of the cycle

ANSWER : C

**3. For measuring an unknown electrical quantity, select the meter with**

- a) Highest range and work down
- b) Lowest range and work up
- c) Middle range and can be work up or down depending
- d) Any of the above

ANSWER : A

**4. The ratio of maximum displacement deviation to the full scale deviation of the instrument is called:**

- a) Static sensitivity
- b) Accuracy
- c) Linearity
- d) Precision

ANSWER : C

**5. A 150 V moving iron voltmeter of accuracy class 1.0 reads 75 V when used in a circuit under a standard conditions. The maximum possible percentage error in the reading is:**

- a) 0.5
- b) 1.0
- c) 2.0
- d) 4.0

ANSWER : C

**6. The relative error is the:**

- a) Difference of the measured value and the true value
- b) Ratio of absolute error to the measured value of the quantity under measurement
- c) Ratio of the absolute error to the true value of the quantity under measurement
- d) Ratio of the probable error to the true value of the quantity under measurement

ANSWER : C

**7. The moving iron voltmeters are likely:**

- a) To indicate the same value of the ac as on dc
- b) To indicate higher value of ac than on dc
- c) To indicate lower value of ac than on dc
- d) The moving iron instruments should not be used for dc measurement

ANSWER : C

**8. The power measurement in a balanced 3-phase circuit can be done by:**

- a) One wattmeter method
- b) Two wattmeter method
- c) Three wattmeter method
- d) Any of the above method

ANSWER : D

**9. Anderson's bridge is a modification of:**

- a) Maxwell's wien bridge
- b) Hay's bridge
- c) Schering bridge
- d) Owen bridge

ANSWER : A

**10. Ballastic tests are used in magnetic measurements for the determination of:**

- a) Flux density of the specimen
- b) B-H curve of the specimen
- c) Hysteresis loop of the specimen
- d) All the above

ANSWER : D