



BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Tech.(ECE)-2019/B.Tech.(ECE)-2020

Course Name – Electronic Instrumentation and Measurement

Course Code - OEC601A

(Semester VI)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) A moving-coil permanent-magnet instrument can be select as by using a low resistance shunt.
- | | |
|---------------|---------------------------|
| a) ammeter | b) voltmeter |
| c) flux-meter | d) ballistic galvanometer |
- (ii) For measurements on high voltage capacitors, the suitable bridge can apply
- | | |
|--------------------|-------------------------------|
| a) Wein bridge | b) Modified De Santy's bridge |
| c) Schering bridge | d) none of the above |
- (iii) Write, In electrical measuring instruments electrical energy is converted to
- | | |
|----------------------|-----------------|
| a) Mechanical energy | b) Heat energy |
| c) Chemical energy | d) Light energy |
- (iv) Bar express as the unit of
- | | |
|-------------------------|------------|
| a) Temperature | b) Heat |
| c) Atmospheric pressure | d) Current |
- (v) Calculate error of measurement =
- | | |
|--------------------------------|---------------------------|
| a) True value – Measured value | b) Precision – True value |
| c) Measured value – Precision | d) None of the above |
- (vi) Error due to eye vision observe is termed as
- | | |
|-------------------|-------------------|
| a) climax error | b) sight error |
| c) parallax error | d) visional error |
- (vii) Noise establish as a function of _____
- | | |
|--------------|--------------|
| a) voltage | b) current |
| c) bandwidth | d) frequency |
- (viii) In a Wheatstone bridge method, the bridge is said to be balanced, when the current indicate
- | | |
|------------|------------------------------|
| a) 1 A | b) 0 A |
| c) Maximum | d) Half of the maximum value |

the unknown impedance.
