



BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – Dip.ME-2019

Course Name – Industrial Robotics and Automation

Course Code - DME604

(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) Identify Which of the following is NOT one of the advantages for robotics implementation program
- | | |
|--|--|
| a) Low costs for hardware and software | b) Robots work continuously around the clock |
| c) Quality of manufactured goods can be improved | d) Reduced company cost for worker fringe benefits |
- (ii) Which of the following is not application of Robotics?
- | | |
|---------------|-------------|
| a) Industries | b) Military |
| c) Medicine | d) Hills |
- (iii) Choose the true option for One-Wattmeter method is used to measure
- | | |
|--|---|
| a) The power when load is balance in three phase circuit | b) The power when load is unbalanced in three phase circuit |
| c) (1) or (2) | d) Single phase power with balanced |
- (iv) Identify the Robot designed with Polar coordinate systems has
- | | |
|---|---|
| a) Three linear movements | b) Three rotational movements |
| c) Two linear and one rotational movement | d) Two rotational and one linear movement |
- (v) Identify the robot designed with cylindrical coordinate systems has
- | | |
|---|---|
| a) Three linear movements | b) Three rotational movements |
| c) Two linear and one rotational movement | d) Two rotational and one linear movement |
- (vi) Choose the transducers which requires an external power and their output is a measure of some variation such as resistance, inductance, capacitance etc., are called as
- | | |
|-----------------------|-------------------------------|
| a) Active transducer | b) Primary sensor |
| c) Passive transducer | d) Self generating transducer |
- (vii) Choose that the Fiber optic sensor can be used to sense
- | | |
|-----------------|---------------|
| a) Displacement | b) Power |
| c) Current | d) Resistance |
