Federal Board SSC Practical Examination
Name of subject **Internet of Things**
Hardware Development
Model Question Paper

Time Allowed: _____   Total Marks: 90

Written Examination (10)

Q.1   What are the main pin sections on the Arduino board?   (5)
      OR
      What is full wave rectifier? Explain with diagram.

Q.2   Discuss how to create a powerful Gig.   (5)
      OR
      How we can use Arduino as Wi-Fi Hotspot?

Practical Exam (60)

Q.3   Design combinational circuit and verify using KVL.   (15)
      OR
      Apply Ohm's Law for measuring current, voltage and resistance.

Q.4   Construct a combinational circuit and measure current, voltage and
      resistance.   (15)

Q.5   Detect motion using ultrasonic sensor.   (15)
      OR
      Turn on/off a light bulb connected with relay.

Q.6   Verify the Truth Table of NAND Gate using NAND Gate IC.   (15)

Viva Voce   **(20)**

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