

# 11 Lecture - PHY301

## Important Mcqs

**What is the loop gain of the circuit shown below?**

loop analysis circuit 1

- a)  $2/3$
- b)  $3/2$
- c)  $1/3$
- d)  $3/4$

**Answer: a)  $2/3$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 2

- a)  $-2$
- b)  $-1/2$
- c)  $-1$
- d)  $-1/4$

**Answer: b)  $-1/2$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 3

- a)  $-1/3$
- b)  $-2/3$
- c)  $-3/2$
- d)  $-1$

**Answer: b)  $-2/3$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 4

a)  $5/6$

b)  $6/5$

c)  $1/2$

d)  $2/3$

**Answer: b)  $6/5$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 5

a)  $-1/3$

b)  $-2/3$

c)  $-3/2$

d)  $-1$

**Answer: c)  $-3/2$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 6

a)  $-1/3$

b)  $-2/3$

c)  $-1$

d)  $-3/2$

**Answer: a)  $-1/3$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 7

- a)  $5/2$
- b)  $2/5$
- c)  $5/4$
- d)  $4/5$

**Answer: a)  $5/2$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 8

- a)  $-1/3$
- b)  $-3$
- c)  $-3/2$
- d)  $-2/3$

**Answer: d)  $-2/3$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 9

- a)  $-1/2$
- b)  $-2$
- c)  $-3/2$
- d)  $-1$

**Answer: a)  $-1/2$**

**What is the loop gain of the circuit shown below?**

loop analysis circuit 10

a)  $-1/2$

b)  $-1$

c)  $-2$

d)  $-3/2$

**Answer: c)  $-2$**