### Subject Code: 20EC2203 Subject Name:LIC Branch:ECE Section 1

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| Sno | 1 |
| Name | SECTION-1 |
| Time | 120 |
| Mark | 1 |
| Negative | 0 |

### Questions – S1

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| Qno | 1 |
| Question | If both input and output is voltage then the amplifier is called |
| Sno | 1 |
| Type | Mcq |
| A | Voltage amplifier |
| B | Current amplifier |
| C | Transconductnce |
| D | None of the above |
| Answer | A |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 2 |
| Question | The output current divided by input voltage is known as |
| Sno | 1 |
| Type | Mcq |
| A | Voltage amplifier |
| B | Current amplifier |
| C | Transconductance |
| D | None of the above |
| Answer | C |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 3 |
| Question | In series-shunt connection the reverse-path gain is |
| Sno | 1 |
| Type | Mcq |
| A | Voltage gain |
| B | Current gain |
| C | Transconductance |
| D | Trans impedance |
| Answer | A |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 4 |
| Question | In shunt-shunt connection the forward-path gain is |
| Sno | 1 |
| Type | Mcq |
| A | Voltage gain |
| B | Current gain |
| C | Trans impedance |
| D | Trans conductance |
| Answer | C |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 5 |
| Question | In the positive feedback, the feedback is taken from \_\_\_terminal of the op-amp |
| Sno | 1 |
| Type | Mcq |
| A | Non-inverting |
| B | Inverting |
| C | Either a or b |
| D | None of the above |
| Answer | A |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 6 |
| Question | Both input and output resistance are less in \_\_\_\_\_\_\_\_\_\_ amplifier |
| Sno | 1 |
| Type | Mcq |
| A | Trans conductance |
| B | Trans resistance |
| C | Voltage |
| D | Current |
| Answer | B |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 7 |
| Question | **If the feedback fraction of an amplifier is 0.01, then voltage gain with negative feedback is approximately……….** |
| Sno | 1 |
| Type | Mcq |
| A | 500 |
| B | 100 |
| C | 5000 |
| D | 1000 |
| Answer | B |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 8 |
| Question | **When voltage feedback (negative) is applied to an amplifier, its input impedance** |
| Sno | 1 |
| Type | Mcq |
| A | Is Increased |
| B | Is Decreased |
| C | Remains same |
| D | None of the above |
| Answer | A |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 9 |
| Question | The circuit of the figure is an example of feedback of the following type  2 |
| Sno | 1 |
| Type | Mcq |
| A | Current series |
| B | Voltage series |
| C | Voltage shunt |
| D | Current shunt |
| Answer | C |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |

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| Qno | 10 |
| Question | **An amplifier without feedback has a voltage gain of 50, input resistance of** 1 kΩ and output resistance of 2.5 kΩ. The input resistance of the current shunt negative feedback amplifier using the above amplifier with a feedback factor of 0.2 is |
| Sno | 1 |
| Type | Mcq |
| A | 1/11 KΩ |
| B | 1/5 KΩ |
| C | 5 KΩ |
| D | 11 KΩ |
| Answer |  |
| Topic | Chapter-1 |
| Mark | 1 |
| Level | 1 |