

**BE 2012 course In semester examination**  
**Advanced Power Electronics (2012) (404203)**  
**(Semester - VII)**  
**Marking Scheme**

**BE/In Sem - 51**

Q 1 a)

b) i) One parameter 1 Mark

Q2 a) i) Circuit Diagram 2 Mark  
ii) Waveform 2 Mark  
iii) Application / Explanation 1 Marks

b)

Q3 a) i) Causes of EMI – 2 Marks

ii) Effects of EMI – 3 Marks

b) i) Circuit Diagram / Block diagram 2 Marks

ii) Waveforms 2 Mark

iii) Explanation – 2 Marks

Q4 a) i) Circuit Diagram / Block diagram 2 Marks

ii) Waveforms 2 Mark

iii) Explanation – 2 Marks

b) One parameter one mark

Q5 a) i) Circuit Diagram / Block diagram 1 Marks

ii) Waveforms 1 Mark

iii) Explanation – 2 Marks

b) i) Circuit Diagram / Block diagram 1 Marks Each

ii) Waveforms 1 Mark Each

iii) Explanation – 1 Marks Each

Q6 a) i) Circuit Diagram / Block diagram 1 Marks

ii) Waveforms 1 Mark

iii) Explanation – 1 Marks

iv) Advantages and disadvantages – 1 Each

b) i) Circuit Diagram / Block diagram 2 Marks

ii) Waveforms 2 Mark

iii) Explanation – 1 Marks