## Physics FSC Part 2 Online MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | In metal detector, we use. | A. L-C circuit<br>B. R-L circuit<br>C. R-C circuit<br>D. RLC series circuit |
| 2 | In three phase voltage across any two lines is about. | A. 220 V<br>B. 230 V<br>C. 400 V<br>D. 430 V |
| 3 | In three phase A.C supply coils are inclined at an angle of. | A. $0^o$<br>B. $90^o$<br>C. $120^o$<br>D. $80^o$ |
| 4 | In three phase A.C. generator the phase difference between each pair of coil is. | A. $45^o$<br>B. $90^o$<br>C. $120^o$<br>D. $60^o$ |
| 5 | In RLC circuit the energy is dissipated in | A. R only<br>B. R and L<br>C. R and C<br>D. L and C |
| 6 | A resistance frequency the impedance of RLC parallel circuit is. | A. Zero<br>B. Infinite<br>C. Maximum<br>D. Minimum |
| 7 | The circuit which compares the two voltages is. | A. LDR<br>B. Sensor<br>C. Comparator<br>D. Logic gate |
| 8 | In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is. | A. $90^o$<br>B. $270^o$<br>C. $0^o$<br>D. $180^o$ |
| 9 | The power factor of RL series circuit is. | A. 0<br>B. 1<br>C. Less then 1<br>D. More than one |
| 10 | At resonance frequency, the impedance of RLC series circuit is. | A. Maximum<br>B. Minimum<br>C. Zero<br>D. Infinite |
| 11 | $X_1$ is low for low frequency Fy but Xc is. | A. Zero<br>B. Low<br>C. High<br>D. Same is H |
| 12 | Which consumes small power. | A. Inductor<br>B. Resistor<br>C. Motor<br>D. All of these |
| 13 | The expression P = VI hold only when current and voltage are. | A. In phase<br>B. Out of phase<br>C. At right angle to each other<br>D. At angle of $120^o$ |
| 14 | Power dissipated in a pure inductor is. | A. Large<br>B. Small<br>C. Infinite<br>D. Zero |
| 15 | At resonance, the behavior of R-L-C series circuit is. | A. Resistive<br>B. Capacitive<br>C. Inductive<br>D. Modulative |

| 16 | The phase angle of a series RLC circuit at resonant frequency is | A. 1/2<br>B. sigma<br>C. Zero<br>D. sigma /4 |
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| 17 | The unit of impedance is. | A. Henry<br>B. Hertz<br>C. Ampere<br>D. Ohm |