

## Viva Question Series Resonance Experiment And Answers

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Resonance Tube – Viva Voice Questions With Answer ...

6) What is bandwidth of series circuit? 7) Define quality factor of a series circuit. 8) Why should maximum value of current be divided by  $\sqrt{2}$  for finding bandwidth? 9) Why is the series circuit called as acceptor circuit? 10) Why parallel resonance circuit is called a rejecter circuit? 11) What is the importance of series resonance circuits? 3.

Resonance Column (Viva Voce) : Class 11 : Physics : Amrita ...

Q.14: What is resonance? Ans. Resonance is a phenomenon in which there is a marked increase in the amplitude of a vibrating body by the influence of a second vibrating body having the same time period as the first. Q.15: What is an echo? Ans. Echo is the effect produced when sound wave is reflected on striking a solid obstacle like wall or rock.

Series LCR Circuits (Theory) : Electric Circuits Virtual ...

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23. The impedance and quality factor of a RLC series circuit at  $\omega = 10^7$  rad/sec are  $100 + j0$  and 100 respectively. Find the values of R, L and C. 24. What is anti resonance? In RLC parallel circuit, the current is minimum at resonance whereas in series resonance the current is maximum. Therefore the parallel resonance is called anti-resonance. 25.

To study the resonance condition of a series LCR circuit.

(5) LCR series circuit is called Acceptor.Why ? Ans : Because the impedance is minimum at resonant. (6) What is the relation between impedance and current in this series circuit ? Ans : Inversly proportional because in LCR series circuit the impedance is minimum at resonant but we get maximum current at that particular resonant.

Physics Lab Viva Questions by ramesh kumar - Issuu

Physics Practical viva-voce Questions-2019 Live Example- Potentiometer (Assuming that the student was assigned the experiment "To determine the internal resistance of a primary cell( which can not be recharged) using potentiometer") 1.Examiner (E): What was the experiment allotted to you?

Viva Question Series Resonance Experiment

Viva Voce. Resources. Feedback. 1) What type of vibrations is produced in the air column in resonance tube? Longitudinal stationary waves. Plane waves. ... What is the purpose of obtaining resonating length in resonance column experiment? To find the velocity of sound at room temperature.

Physics Practical viva-voce Questions-2019

at which resonance occurs. 5. Select appropriate values of inductor, resistor and capacitor for the experiment. 6 Theory: Definitions: An LCR circuit is an electrical circuit consisting of a resistor (R), an inductor (L), and a capacitor (C), connected in series or in parallel.

Solved: An Experiment About The Resonance Circuit (Series ...

At resonance, that difference will be zero, and only R will limit the current flow in the circuit. The graph to the right shows normalized values of current through a series RLC circuit at frequencies ranging from 0.01 times the resonant frequency, to 100 times that frequency.

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Question: Experiment # 11: Resonance In A Series RLC Circuit 11.3. For Each Frequency On Table 11.1, Calculate The Theoretical Values Of The Impedances  $X_c$  And  $X_l$  For The Circuit Of Figure 11.1, Considering That  $C_s = 250$  NF,  $R_s = 40 \Omega$  ? And The Inductor Is A Component Which Is Composed Of An Inductance  $L_s = 1$  MH In Series With A Resistance  $R_L = 22.8 \Omega$  ?.

90 TOP ELECTRICAL CIRCUITS VIVA Questions and Answers - EEE

Electrical Circuits Lab Viva Questions and Answers Electrical Lab Edit Question No. 01: What id difference between power and energy? ... An example could be the sum of voltages across a series connection of a resistor and an inductor. Phasors simplify this analysis by considering only the amplitude and phase components of the sine wave.

Physics Lab – Viva Voce

Electrical Circuits VIVA Questions and Answers :-1.What is Current? 2.Please define Ampere? 3.Could you measure current in parallel? 4.What is the difference between Voltages or Potential Difference? And what are they? 5.Could you measure Voltage in series? 6.How many Types of Circuit Loads are there in a Common Electrical Circuit?

Physics Lab (15PHYL 17/27) Viva Questions

Apr 19, 2020 - By Gilbert Patten ^ Free eBook Viva Question Series Resonance Experiment And Answers ^ viva questions with answers deptof physics hppc govt 2015first grade college challaker 577522 6 16 3 what is the value of z in lcr series circuit at resonance z r 4 what is the resonance

Series & Parallel Resonant Circuits Questions and Answers ...

OBJECTIVES 1. Verify the relationship between voltage and current in an ac circuit at resonance 2. Observe the current characteristic both for series and parallel circuit at resonance APPARATUS/EQUIPMENT (Series Resonance)  $R_1 = 100 \Omega$  - 24W -5%  $L_1 = 10$ mH  $C_2 = 0.01 \mu$ F (Parallel Resonance)  $R_1 = 2.2$  k. - 14W -5%  $R_2 = 100 \Omega$  - 14W -5%  $L_1 = 10$ mH  $C_2 = 0.01$ F FIGURE L1 Vp C1 R1 Figure 8.3: Schematic Diagram ...

VIVA Questions with Answers - WordPress.com

Question No. 26: What is the most important precaution in any experiment with d.c. shunt motor? Answer : Before switching on d.c. supply, a sufficient resistance should be put in series with the armature of the d.c. shunt motor.

Electrical Circuits Lab Viva Questions and Answers ...

This set of Microwave Engineering Multiple Choice Questions & Answers (MCQs) focuses on "Series and Parallel Resonant Circuits". 1. In a series LCR circuit, at resonance point the energy stored in the inductor and capacitor in the form of magnetic and electric energies are equal.

Important Short Questions and Answers: Resonance and ...

Physics Lab Viva Questions. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47.

Viva Question Series Resonance Experiment And Answers

VIVA Questions with Answers Dept.of Physics, HPPC Govt. 2015First Grade College Challaker -577522 6-16 3. What is the value of Z in LCR series circuit at resonance?  $Z = R$  4. What is the resonance frequency? The frequency of applied AC at which resonance takes place or current is maximum. 5. Expression for resonance frequency?  $f = \frac{1}{2\pi\sqrt{LC}}$  ...

50 TOP ZENER DIODE LAB VIVA Questions and Answers Pdf

Physicslab Sonometer Viva Questions 01. What is the principle involved in Sonometer experiment? Ans: Resonance 02. Which type of waves are produced in Sonometer experiment? Ans: Stationary Transverse waves 03. What are transverse waves?

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