

# Objective Type Question On Bjt With Answers

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### Objective Type Question On Bjt

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objective questions on bjt biasing 1 How does a poly-silicon emitter improve the performance of an NPN BJT?OBJECTIVE TYPE QUESTION PAPERS objective questions o mar de monstros pdf on anatomy and physiology In a CMOS CS amplifier, the active load is obtained by This chapter introduces the bipolar junction transistor BJT operation and

#### **Transistors: Bipolar Junction Transistors (BJT)**

Bipolar Junction Transistors (BJT) General configuration and definitions The transistor is the main building block “element” of electronics It is a semiconductor device and it comes in two general types: the Bipolar Junction Transistor (BJT) and the Field Effect Transistor (FET) Here we will

describe the system characteristics of the BJT

### **Bipolar-Junction (BJT) transistors**

Bipolar-Junction (BJT) transistors References: Barbow (Chapter 7), Hayes & Horowitz (pp 84-141), Rizzoni (Chapters 8 & 9) A bipolar junction transistor is formed by joining three sections of semiconductors with alternatively different dopings The middle section (base) is narrow and one of the other two regions (emitter) is heavily doped

### **Bipolar Junction Transistors (BJTs)**

Bipolar Junction Transistors (BJTs) INTRODUCTION In this chapter, we study the other major three-terminal device: the bipolar junction transistor (BJT) The presentation of the material in this chapter parallels but does not rely on that for the MOSFET in Chapter 4; thus, if desired, the BJT can be studied before the MOSFET

### **VLSI DESIGN**

OBJECTIVE TYPE QUESTIONS 1The smallest feature size of a transistor is [ ] a) 4 x 4 b) 2 x 2 c) 8 x 8 d) 1 x 1 2The on resistance of pulling transistor in an nmos inverter is [ ] a) 10K b) 50K c) 40K d) 20K

### **I. Multiple Choice Questions:**

Question Bank for Tech-III/TL Page 2 of 42 a) positive earth b) negative earth c) neutral d) none of these 16) Which Type of Belts are used for driving 110V, 45 KW TL Alternators [ a ] a) V-Belts b) Flat Belts c) Both a & b d) None of these 17) When testing earth leakage of coach with 500 volt megger, the insulation

### **GATE ELECTRICAL ENGINEERING Vol 2 of 4 - Gate Books**

GATE ELECTRICAL ENGINEERING Vol 2 of 4 Second Edition GATE ELECTRICAL ENGINEERING Vol 2 of 4 RK Kanodia Ashish Muroolia dynamometer and induction type instruments; measurement of voltage, current, power, energy AE 2 BJT Biasing AE 39 AE 3 ...

### **QUESTION BANK FOR S. Y. B. Sc. ELECTRONICS**

2 Explain the terms of amplifier I) frequency response II) decibel gain and III) bandwidth 3 Explain RC coupled transistor amplifier with special reference to frequency response, advantages, disadvantages and application 4 With neat diagram explain the working of transformer coupled transistor amplifier

### **[ELECTRONICS & TELECOMMUNICATION ENGINEERING (O ...**

[electronics & telecommunication engineering (objective type) paper - i instructions 1 immediately after the commencement of the examination, you should check that this test booklet does not have any unprinted or torn or missing pages or items, etc if so, get it replaced by a complete test booklet 2

### **Experiment No: 1 Diode Characteristics**

Experiment No: 1 Diode Characteristics Objective: To study and verify the functionality of a) PN junction diode in forward bias b) Point-Contact diode in reverse bias This portion of an NPN BJT is just like a p-n junction Consequently, the I<sub>B</sub> and V<sub>BE</sub> relationship in the

### **MCQ3-ED-PN junction Diode**

7 A forward potential of 10V is applied to a Si diode A resistance of 1 KΩ is also in series with the diode The current is a 10 mA b

### **Bipolar Junction Transistor Characterization**

lead into the positive (+) banana jack of the meter The objective of this procedure will be to determine which lead of the BJT is the base, and whether

the BJT is an npn or pnp device using only the ohmmeter function of the DMM Also locate a 1N4148 diode that will be used for reference

### **OBJECTIVE TYPE QUESTIONS**

OBJECTIVE TYPE QUESTIONS Each Question carries 2 marks Choose correct or the best alternative in the following: Q1 To calculate Thevenin's equivalent value in a circuit (A) all independent voltage sources are opened and all independent current sources are short circuited (B) both voltage and current sources are open circuited

**(Declared as Deemed to be University u/s 3 of the UGC Act ...**

BJT and FET Bipolar Junction Transistor(BJT) Three configurations of transistor, Biasing, BJT as an amplifier, BJT characteristics, Applications of Transistor Field Effect Transistor(FET) Construction and characteristics, Biasing, FET as an amplifier, Applications of FET Answer all objective type questions, Each question carries ONE mark

### **QUESTION PAPER BOOKLET - University of Hyderabad**

This Question paper has 2 Sections: Section A consists of 25 objective type questions of one mark each There is negative marking of 0.33 mark for every wrong answer The marks obtained by the candidate in this Section will be used for resolving the tie cases A BJT is a voltage controlled device and FET is a current controlled device

### **Bipolar Junction Transistor Characterization**

Set-Up Locate a type 2N3904 BJT from the parts kit This should be a three meter The objective of this procedure will be to determine which lead of the BJT is the base, and whether the BJT is an npn or pnp device using only the ohmmeter function of the DMM Question-3 Plot the BJT characteristics without the additional 10 k $\Omega$

### **EE320L Electronics I Laboratory Laboratory Exercise #6 By**

question becomes what to do with the third terminal A stepped voltage or current can be applied to the third terminal which will result in a "family" of characteristic curves on the same graph An example of an I-V plot for a 2N3904 bipolar junction transistor (BJT) is shown below in fig 4