

BBA and MBA contents and videos

<http://aimslibrary.blogspot.com/p/digital-library.html>

**B.Sc - ELECTRONICS**

**WEBSITE REFERENCES**

**II SEM BSC ELECTRONICS**

## **WEBSITE REFERENCES**

### **Unit 1**

#### **Small Signal Amplifiers**

Classification of amplifiers based on different criteria

<https://www.youtube.com/watch?v=CjjBr0CbjQc>

Small signal CE amplifier-circuit, working,

<https://www.youtube.com/watch?v=NESchIntkR8>

<https://www.youtube.com/watch?v=0BRjXG6B3-w>

Frequency response

<https://www.youtube.com/watch?v=L6BZEJ4wH4I&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=63>

re model for CE configuration,

<https://www.youtube.com/watch?v=aLofpeLAieo>

Derivation for  $A_v$ , Expressions for  $Z_{in}$  and  $Z_{out}$ . Of CE amplifier

<https://www.youtube.com/watch?v=wbDUDRlmUuM> (till 12 minutes)

CC amplifier -circuit diagrams & applications

<https://www.youtube.com/watch?v=tTPRbtJJV0o&list=PLBlnK6fEyqRiw-GZRqfnlVIBz9dxrqHJS&index=112&t=0s>

Multistage amplifiers-qualitative study of cascaded stages, overall gain of multistage Amplifier

[https://www.youtube.com/watch?v=V\\_2rQ\\_EftIQ&t=18s](https://www.youtube.com/watch?v=V_2rQ_EftIQ&t=18s)

Types of coupling-RC coupled, transformer coupled and direct coupled (only circuit diagrams and frequency response graph, advantages and disadvantages for each). <https://www.youtube.com/watch?v=PW2BowMDfa0>

Darlington amplifier-circuit diagram and its characteristic features.

<https://www.youtube.com/watch?v=hC57Pclhk3A>

JFET amplifier in CS mode – circuit and operation, equivalent circuit and expression for Voltage gain (derivation).

<https://www.youtube.com/watch?v=PMOaS967Yus&list=PLBlnK6fEyqRiw-GZRqfnlVIBz9dxrqHJS&index=124&t=0s>

<https://www.youtube.com/watch?v=DZ7baOhNFQ&list=PLBlnK6fEyqRiw-GZRqfnlVIBz9dxrqHJS&index=124>

<https://www.youtube.com/watch?v=szXEIVSIJmk&list=PLBlnK6fEyqRiw-GZRqfnlVIBz9dxrqHJS&index=125>

<https://www.youtube.com/watch?v=NRBBRbhsiqc&list=PLBlnK6fEyqRiw-GZRqfnlVIBz9dxrqHJS&index=127>

## Unit 2

### Power and Tuned amplifier

Voltage and power amplifier

<https://www.youtube.com/watch?v=CjjBr0CbjQc&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=83>

Classification of power amplifiers-Class A, Class B, Class C and their comparisons.

[https://www.youtube.com/watch?v=hZGRkhscQ9k&list=PLaw\\_G9VPLLHvs5mDWUH\\_hZ2TMEDboHaTp](https://www.youtube.com/watch?v=hZGRkhscQ9k&list=PLaw_G9VPLLHvs5mDWUH_hZ2TMEDboHaTp)

Class A single ended power amplifier–working. Transformer coupled Class A power amplifier-working, overall efficiency (derivation). -<https://www.youtube.com/watch?v=HU9MIJcJ4fA&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=106>

[https://www.youtube.com/watch?v=1pv3NJjI-ac&list=PLaw\\_G9VPLLHvs5mDWUH\\_hZ2TMEDboHaTp&index=3](https://www.youtube.com/watch?v=1pv3NJjI-ac&list=PLaw_G9VPLLHvs5mDWUH_hZ2TMEDboHaTp&index=3)

Circuit operation of complementary symmetry class B push pull power amplifier (no derivation),

Crossover distortion

<https://www.youtube.com/watch?v=JtlSLEUWQQ4>

Tuned amplifiers

<https://www.youtube.com/watch?v=DNK0GIm2ZvI>

<https://www.youtube.com/watch?v=iat53DqIOcU> –Single Tuned

<https://www.youtube.com/watch?v=KjqUtL7hAHk> –Double Tuned

### **Unit 3**

#### **Differential amplifier**

Differential Amplifier

<https://www.youtube.com/watch?v=QzeH0exPi-c>

<https://www.youtube.com/watch?v=i372GQxIto0&list=PLZvLScIlgk4yIyTakda4mbtQeo6OeT1Ptq&index=6&t=0s>

<https://www.youtube.com/watch?v=MWLW960lgr4&list=PLZvLScIlgk4yIyTakda4mbtQeo6OeT1Ptq&index=7>

Current Mirror – circuit diagram and working, differential amplifier with current mirror–

<https://www.youtube.com/watch?v=VnJHXQCPIvs>

### **Unit 4**

#### **Feedback and Oscillators**

Feedback-concept of feedback, types of feedback-positive & negative feedback

<https://www.youtube.com/watch?v=E4-HldjE268&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=95>

Advantages and Disadvantages of Negative Feedback

<https://www.youtube.com/watch?v=aVaBe4FqBwA&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=89>

Negative feedback configurations:-

Voltage series

<https://www.youtube.com/watch?v=pgTjpr4jxt4&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=90>

Voltage shunt

[https://www.youtube.com/watch?v=EYRW8jyi9\\_Q&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=92](https://www.youtube.com/watch?v=EYRW8jyi9_Q&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=92)

Current series

<https://www.youtube.com/watch?v=zzCugacycIY&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=91>

Current shunt

<https://www.youtube.com/watch?v=Sg51aREQZ3Y&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=98>

Sinusoidal Oscillators, Basic principle of oscillator

<https://www.youtube.com/watch?v=A2SEkPus6Gc&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=93>  
- oscillator

<https://www.youtube.com/watch?v=f-XpPHsX-dc&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=97>  
– oscillatory circuit

Barkhausen criterion

<https://www.youtube.com/watch?v=iOI-EYq02W0&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=99>

Collpitt's oscillator <https://www.youtube.com/watch?v=d1hjkIHuT9M&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=102>

Hartley oscillators using transistors – circuit diagrams, working (no derivations) -

<https://www.youtube.com/watch?v=Jf1rprWFVsA&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=101>

Multivibrator–types, block diagrams of astable, monostable&bistablemultivibrators with waveforms. Circuit diagram and working of astableMultivibrator using transistors

<https://www.youtube.com/watch?v=5clfiJtRhR8>

[https://www.youtube.com/watch?v=6J2tid\\_Frr4](https://www.youtube.com/watch?v=6J2tid_Frr4)

## Unit 5

### Special purpose devices

MOSFET

[https://www.youtube.com/watch?v=4\\_nGFY7zgDM&list=PLBlnK6fEyqRiw-GZRqfnlVIBz9dxrqHJS&index=135](https://www.youtube.com/watch?v=4_nGFY7zgDM&list=PLBlnK6fEyqRiw-GZRqfnlVIBz9dxrqHJS&index=135)

<https://www.youtube.com/watch?v=ybPQ1IDfTb8&list=PLBlnK6fEyqRiw-GZRqfnlVIBz9dxrqHJS&index=136>

UJT

<https://www.youtube.com/watch?v=D6-ikJFUoFc&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=81>

SCR

<https://www.youtube.com/watch?v=8OgHY4-gcQw&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=78>

Triac

[https://www.youtube.com/watch?v=ld8j1\\_IVh6s&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=79](https://www.youtube.com/watch?v=ld8j1_IVh6s&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=79)

Diac

[https://www.youtube.com/watch?v=je\\_4qj5xl7E&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=80](https://www.youtube.com/watch?v=je_4qj5xl7E&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=80)

LED

<https://www.youtube.com/watch?v=u3H9Z7ABVKU&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=29>

Tunnel diode

<https://www.youtube.com/watch?v=hNzLQdFW-FI&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=27>

Varactor diode

<https://www.youtube.com/watch?v=A6kgfyeC5Qg&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=25>

Photo diode

<https://www.youtube.com/watch?v=8k9UIIwo7W4&list=PL0n2jBUgUVhvsXil-D-V8LvNX6X5K00bL&index=28>

Photo Transistor

<https://www.youtube.com/watch?v=ouGbgDxJN4U>

Solar cell

<https://www.youtube.com/watch?v=v37-kcydd98>

#### IV SEM B.Sc DE&VERILOG

##### WEBSITE REFERENCES

Unit 1: Boolean algebra and Logic gates

Positive & Negative logic

<https://www.youtube.com/watch?v=gtucOKD1pHA&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=20>

Basic Boolean logic

[https://www.youtube.com/watch?time\\_continue=1844&v=DJbyy89a3Qk&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=1844&v=DJbyy89a3Qk&feature=emb_logo)

Boolean Theorems

[https://www.youtube.com/watch?time\\_continue=479&v=7wJX9g7LLy8&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=479&v=7wJX9g7LLy8&feature=emb_logo)

Boolean expressions-SOP and POS

<https://www.youtube.com/watch?v=xnLBbOYYnHM&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=12>

[https://www.youtube.com/watch?v=NGgNoa0\\_zns&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=13](https://www.youtube.com/watch?v=NGgNoa0_zns&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=13)

<https://www.youtube.com/watch?v=nXsiLPJfDZ4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=14>

<https://www.youtube.com/watch?v=ihTH1C6qCYI&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=15>

[https://www.youtube.com/watch?v=K2cpJex0o\\_A&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=16](https://www.youtube.com/watch?v=K2cpJex0o_A&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=16)

<https://www.youtube.com/watch?v=Km5pTz67uGc&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=17>

<https://www.youtube.com/watch?v=f0trF1LtYZ4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=18>

[https://www.youtube.com/watch?time\\_continue=49&v=wIWTuywrEGc&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=49&v=wIWTuywrEGc&feature=emb_logo)

[https://www.youtube.com/watch?time\\_continue=1469&v=Hwe3W\\_qhL5I&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=1469&v=Hwe3W_qhL5I&feature=emb_logo)

Universal property of NOR and NAND gates, rearranging of truth tables etc

<https://www.youtube.com/watch?v=ChtmE09BSy0&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=78>

<https://www.youtube.com/watch?v=Z6Nds10n7rs&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=80>

[https://www.youtube.com/watch?time\\_continue=970&v=wZi-gvmB84g&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=970&v=wZi-gvmB84g&feature=emb_logo)

K-map-3 and 4 variable expressions

[https://www.youtube.com/watch?time\\_continue=1200&v=iJ9cFDoXajw&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=1200&v=iJ9cFDoXajw&feature=emb_logo)

[https://www.youtube.com/watch?v=6HTN3IDi2Fw&feature=emb\\_logo](https://www.youtube.com/watch?v=6HTN3IDi2Fw&feature=emb_logo)

[https://www.youtube.com/watch?time\\_continue=136&v=VY9J3qYbky4&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=136&v=VY9J3qYbky4&feature=emb_logo)

[https://www.youtube.com/watch?v=C3yak1p6Fvk&feature=emb\\_logo](https://www.youtube.com/watch?v=C3yak1p6Fvk&feature=emb_logo)

Characteristics of logic families

<https://www.youtube.com/watch?v=9Rt7iuqSVJ8>

Logic Families-classification of digital ICs Circuit description of TTL NAND gate with totem

pole and open collector. TTL IC terminology. Circuit description of CMOS inverter, comparison of TTL and CMOS families.

<https://www.youtube.com/watch?v=PM-4emVKbQg>

## **Unit 2: Combinational logic circuits**

Comparison of combinational and sequential logic circuits

[https://www.youtube.com/watch?v=SzV4I0\\_1MCQ&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=100](https://www.youtube.com/watch?v=SzV4I0_1MCQ&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=100)

Half adder & full Adder

<https://www.youtube.com/watch?v=aLUY-s7LSns&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=101>

<https://www.youtube.com/watch?v=S91WnV2wCbA&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=107>

<https://www.youtube.com/watch?v=RK3P9L2ZXk4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=102>

[https://www.youtube.com/watch?v=Z\\_DYRgtAXfw&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=103](https://www.youtube.com/watch?v=Z_DYRgtAXfw&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=103)

Half subtractor & full subtractor.

<https://www.youtube.com/watch?v=SV4VTYWxKV4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=105>

<https://www.youtube.com/watch?v=TWWhRqp8eVhU&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=110>

<https://www.youtube.com/watch?v=dBXGGWbtt6U&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=106>

4:1 multiplexer using gates

<https://www.youtube.com/watch?v=FKvnmxte98A&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=118>

<https://www.youtube.com/watch?v=g1Lfz1XgrH8&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=119>

[https://www.youtube.com/watch?v=McYy-IRM6a0&feature=emb\\_logo](https://www.youtube.com/watch?v=McYy-IRM6a0&feature=emb_logo)

1:4 demultiplexer using gates.

<https://www.youtube.com/watch?v=t3Ed13z9uz8&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=128>

<https://www.youtube.com/watch?v=4kgPMT9k3bg&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=129>

Two bit comparator

<https://www.youtube.com/watch?v=BhUUmBz76P0&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=132>

Encoders & Decoders

<https://www.youtube.com/watch?v=feBvhLFOEDk&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=133>

<https://www.youtube.com/watch?v=kEj-m3YuGa4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=134>  
<https://www.youtube.com/watch?v=I-3HN1ueNk&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=135>

3:8 decoder using NAND gates

<https://www.youtube.com/watch?v=AFBoQ0zSdTI>

Seven segment Display Decoder

<https://www.youtube.com/watch?v=smeUN1Bxj3M&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=97>

D-A conversion □ 4 bit binary weighted resistor type, circuit and working. Circuit of R-2R ladder concept only.

<https://www.youtube.com/watch?v=jDn1eXijQdY>

### **Unit 3: Sequential logic circuits**

Introduction to sequential circuits and SR latch explanations

[https://www.youtube.com/watch?time\\_continue=177&v=ibQBb5yEDIQ&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=177&v=ibQBb5yEDIQ&feature=emb_logo)

SR latch

<https://www.youtube.com/watch?v=kt8d3CYWGH4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=145>

[https://www.youtube.com/watch?time\\_continue=3&v=zamCV7GFPw8&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=3&v=zamCV7GFPw8&feature=emb_logo)

<https://www.youtube.com/watch?v=-aQH0ybMd3U>

SR and D flip flops

<https://www.youtube.com/watch?v=HZg7fNu-124&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=150>

<https://www.youtube.com/watch?v=uiKKRPZbuXA&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=151>

<https://www.youtube.com/watch?v=dnfXXpW7tIw&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=152>

<https://www.youtube.com/watch?v=4c6z9RKRc8Q&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=153>

[https://www.youtube.com/watch?v=k4-LYtQS0jY&feature=emb\\_logo](https://www.youtube.com/watch?v=k4-LYtQS0jY&feature=emb_logo)

SR, D & JK flip flops

<https://www.youtube.com/watch?v=j6krFp511HA&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=154>

[https://www.youtube.com/watch?v=lnQD2\\_M9uDI&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=155](https://www.youtube.com/watch?v=lnQD2_M9uDI&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=155)

<https://www.youtube.com/watch?v=trPGhO7MPnw&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=156>

[https://www.youtube.com/watch?time\\_continue=1&v=2ecMG\\_OciLo&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=1&v=2ecMG_OciLo&feature=emb_logo)

Master slave JK and T flip flops

[https://www.youtube.com/watch?v=t2LZtaNck\\_g&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=157](https://www.youtube.com/watch?v=t2LZtaNck_g&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=157)



[https://www.youtube.com/watch?v=4CRPlaBnfV0&feature=emb\\_logo](https://www.youtube.com/watch?v=4CRPlaBnfV0&feature=emb_logo)

[https://www.youtube.com/watch?v=wcfnEla\\_Y78&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=159](https://www.youtube.com/watch?v=wcfnEla_Y78&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=159)

[https://www.youtube.com/watch?v=9mh-](https://www.youtube.com/watch?v=9mh-2QwxmF4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=160)

[2QwxmF4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=160](https://www.youtube.com/watch?v=9mh-2QwxmF4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=160)

Latch and flip flop

<https://www.youtube.com/watch?v=m1QBxTeVaN&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=149>

Preset and clear inputs in flip flops

[https://www.youtube.com/watch?v=9mh-](https://www.youtube.com/watch?v=9mh-2QwxmF4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=160)

[2QwxmF4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=160](https://www.youtube.com/watch?v=9mh-2QwxmF4&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=160)

SISO shift register

<https://www.youtube.com/watch?v=SsKGr9iqxAQ>

SIPO & PIPO shift registers

<https://www.youtube.com/watch?v=Qo3x41US0KI>

PISO shift registers

<https://www.youtube.com/watch?v=zUBYXdOnDrw>

Introduction to counters

<https://www.youtube.com/watch?v=iaIu5SYmWVM&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=179>

<https://www.youtube.com/watch?v=yqg1sqhZG3M&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=180>

<https://www.youtube.com/watch?v=R6As6A4jZHQ>

3 bit Ripple counter

[https://www.youtube.com/watch?v=s1DSZEaCX\\_g&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=181](https://www.youtube.com/watch?v=s1DSZEaCX_g&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=181)

Up – down asynchronous counters

[https://www.youtube.com/watch?time\\_continue=1&v=PnwYW3RWARw&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=1&v=PnwYW3RWARw&feature=emb_logo)

BCD ripple counter

[https://www.youtube.com/watch?v=fKVZpupyP\\_o&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=187](https://www.youtube.com/watch?v=fKVZpupyP_o&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=187)

Ring counter

[https://www.youtube.com/watch?v=yOW-](https://www.youtube.com/watch?v=yOW-JsJL1Ks&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=191)

[JsJL1Ks&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=191](https://www.youtube.com/watch?v=yOW-JsJL1Ks&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=191)

Johnson counter

<https://www.youtube.com/watch?v=X4mx7J1ckyU&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm&index=192>

Design of synchronous counter

[https://www.youtube.com/watch?v=MiuMYEn3dpg&feature=emb\\_logo](https://www.youtube.com/watch?v=MiuMYEn3dpg&feature=emb_logo)

[https://www.youtube.com/watch?time\\_continue=2&v=t1\\_rhFnKAeo&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=2&v=t1_rhFnKAeo&feature=emb_logo)

#### **UNIT 4: Introduction to Verilog**

A Brief History of HDL, Structure of HDL Module, Comparison of VHDL and Verilog  
Introduction to Simulation and Synthesis Tools, Test Benches.

<https://www.youtube.com/watch?v=FWE0-FOoE4s&list=PLUtvcb-ign->

[EkuBs3arreilxa2UKICHl](#)

[https://www.youtube.com/watch?time\\_continue=2&v=HqdNKZ5BVIY&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=2&v=HqdNKZ5BVIY&feature=emb_logo)

<https://www.youtube.com/watch?v=-WakXw6jUXk&list=PLUtfVcb-iqn->

[EkuBs3arreilxa2UKICHl&index=2](#)

<https://www.youtube.com/watch?v=CbAOllGdpHA&list=PLUtfVcb-iqn->

[EkuBs3arreilxa2UKICHl&index=4](#)

Verilog: Module, Delays, Brief description - data flow style, behavioral style, structural style, mixed design style, simulating design.

<https://www.youtube.com/watch?v=wiNDn19GpRU&list=PLUtfVcb-iqn->

[EkuBs3arreilxa2UKICHl&index=3](#)

Language Elements- Introduction, Keywords, Identifiers, White Space Characters, Comments, format, Integers, reals and strings. Logic Values, Data Types-net types, undeclared nets, scalars and vector nets, Register type, Parameters.

<https://www.youtube.com/watch?v=LShyZaqCuVg&list=PLUtfVcb-iqn->

[EkuBs3arreilxa2UKICHl&index=6](#)

<https://www.youtube.com/watch?v=fFT1JCgzVA8&list=PLUtfVcb-iqn->

[EkuBs3arreilxa2UKICHl&index=7](#)

Expressions: Operands, Operators, types of Expressions

<https://www.youtube.com/watch?v=VS9JzfJ6Oxg&list=PLUtfVcb-iqn->

[EkuBs3arreilxa2UKICHl&index=9](#)

Gate level modeling - Introduction, built in Primitive Gates, multiple input gates, Tri-state gates, pull gates, MOS switches, bidirectional switches, gate delay, array instances, implicit nets

<https://www.youtube.com/watch?v=8U5HVkd9EWg&list=PLUtfVcb-iqn->

[EkuBs3arreilxa2UKICHl&index=8](#)

## **UNIT 5: Data flow Modeling and Behavioral Modeling**

Behavioral Modeling – Procedural assignments - initial and always statements

<https://www.youtube.com/watch?v=6rY1jMtalpY&list=PLUtfVcb-iqn->

[EkuBs3arreilxa2UKICHl&index=13](#)

Always statement, Verilog programs for few sequential elements

[https://www.youtube.com/watch?time\\_continue=3&v=A3aHO6CX-HQ&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=3&v=A3aHO6CX-HQ&feature=emb_logo)

conditional statement, loop statement, procedural continuous assignment, Illustrative Examples

<https://www.youtube.com/watch?v=PJGvZSlsLKs>

Full Verilog concepts covered

<https://www.youtube.com/watch?v=PJGvZSlsLKs>

## VI SEM BSC Micro controllers

### WEBSITE REFERENCES

#### UNIT 1: Introduction to Microcontrollers

Basic block diagram, comparison of microcontroller with microprocessors

[https://www.youtube.com/watch?v=d0e6ScoS3Sw&list=PLZv8x7uxq5XaKFWRF9Q\\_AUn7zQmBq1Sfn&index=2](https://www.youtube.com/watch?v=d0e6ScoS3Sw&list=PLZv8x7uxq5XaKFWRF9Q_AUn7zQmBq1Sfn&index=2)

<https://www.youtube.com/watch?v=7mtt4bdfQk4>

[https://www.youtube.com/watch?v=i\\_g1dD5fFLo](https://www.youtube.com/watch?v=i_g1dD5fFLo)

8051- architecture-internal block diagram, key features of 8051

[https://www.youtube.com/watch?v=O-UALuVyyLY&list=PLZv8x7uxq5XaKFWRF9Q\\_AUn7zQmBq1Sfn&index=3](https://www.youtube.com/watch?v=O-UALuVyyLY&list=PLZv8x7uxq5XaKFWRF9Q_AUn7zQmBq1Sfn&index=3)

<https://www.youtube.com/watch?v=hZDRdT0vzBU>

<https://www.youtube.com/watch?v=pA6K5NgWTow&list=RDCMUCVkgOMGLPJZ4-k2ES43N0iA&index=4>

8051 pin diagram, memory organization, Internal RAM memory, Internal ROM. General purpose data memory, , external memory.

<https://www.youtube.com/watch?v=vkEUiSq1ge4&list=PLcYzlQJ999BklDuFv17mo-KIrOQDNvHmJ&index=5>

<https://www.youtube.com/watch?v=O-UALuVyyLY>

<https://www.youtube.com/watch?v=Ok55KkwafQU>

Special purpose/function registers

<https://www.youtube.com/watch?v=zZr0zLLeCQw>

[https://www.youtube.com/watch?v=G-sBK19x\\_xU&list=PLcYzlQJ999BklDuFv17mo-KIrOQDNvHmJ](https://www.youtube.com/watch?v=G-sBK19x_xU&list=PLcYzlQJ999BklDuFv17mo-KIrOQDNvHmJ)

Serial data input / output – SCON, PCON, serial data transmission modes.

<https://www.youtube.com/watch?v=FOrs4ffP-Wc>

<https://www.youtube.com/watch?v=reeV290ChGQ&list=PLcYzlQJ999BklDuFv17mo-KIrOQDNvHmJ&index=6>

Counters and timers – 8051 oscillator and clock, program counter, TCON, TMOD, timer counter interrupts, timer modes of operation.

<https://www.youtube.com/watch?v=0SZPr4iGACg>

<https://www.youtube.com/watch?v=bBKuWuFg4-U&list=PLcYzlQJ999BklDuFv17mo-KIrOQDNvHmJ&index=7>

Input / output ports and circuits/ configurations

<https://www.youtube.com/watch?v=U6t6jZeseSc>

<https://www.youtube.com/watch?v=WcfepCKLMg>

#### UNIT 2: 8051- Interrupts, Addressing modes and Instruction set

Interrupts – IE, IP, time flag interrupts, serial port interrupt, external interrupts, reset, interrupt control, interrupt priority, interrupt destinations & software generated interrupts.

<https://www.youtube.com/watch?v=7I3-ig6OtEE&list=PLcYzlQJ999BklDuFv17mo-KlrOQDNvHmJ&index=3>

<https://www.youtube.com/watch?v=rUSkQ0Bc6ms>

<https://www.youtube.com/watch?v=bJdUkmLxNh4>

Addressing modes–immediate addressing, register addressing, direct and indirect addressing

[https://www.youtube.com/watch?v=NRz4kSu1uVI&list=PLZv8x7uxq5XaKFWRF9Q\\_AUn7zQmBq1Sfn&index=4](https://www.youtube.com/watch?v=NRz4kSu1uVI&list=PLZv8x7uxq5XaKFWRF9Q_AUn7zQmBq1Sfn&index=4)

<https://www.youtube.com/watch?v=sLbw1stNkXM>

Instruction set of 8051

<https://www.youtube.com/watch?v=s5zm3-WKqcg&list=PLcYzlQJ999BklDuFv17mo-KlrOQDNvHmJ&index=4>

<https://www.youtube.com/watch?v=xOCjCA3kNgc&list=RDCMUCVKGOMGLPJZ4-k2ES43N0iA&index=18>

Logical Instructions – byte level logical operations, bit level logical operations, rotate and swap operations

[https://www.youtube.com/watch?v=IDHnDrohHV8&list=PLZv8x7uxq5XaKFWRF9Q\\_AUn7zQmBq1Sfn&index=9](https://www.youtube.com/watch?v=IDHnDrohHV8&list=PLZv8x7uxq5XaKFWRF9Q_AUn7zQmBq1Sfn&index=9)

Installation of Keil software

[https://www.youtube.com/watch?v=MG595VN4r70&list=PLZv8x7uxq5XaKFWRF9Q\\_AUn7zQmBq1Sfn](https://www.youtube.com/watch?v=MG595VN4r70&list=PLZv8x7uxq5XaKFWRF9Q_AUn7zQmBq1Sfn)

Simple example programs in assembly language.

<https://www.youtube.com/watch?v=xOCjCA3kNgc>

<https://www.youtube.com/watch?v=myw7ycAgJYM>

### **UNIT 3: 8051 programming in C**

Timer / Counter Programming in 8051–Programming 8051 timers, counter programming, programming timers 0 and 1 in 8051 C , example programs

<https://www.youtube.com/watch?v=pAKm7TCp7es>

8051 programming using C- Data types and time delays in 8051C

<https://www.youtube.com/watch?v=M0VljVAfMVE>

<https://www.youtube.com/watch?v=t9NrRkdGaME>

### **UNIT 4: Interfacing with 8051**

Basic interfacing concepts

<https://www.youtube.com/watch?v=gAAUAZiQlhQ>

Schematic diagrams and basic concepts of Interfacing of 8051 to keyboard

<https://www.youtube.com/watch?v=4zAmzCTN20k>

Schematic diagrams and basic concepts of Interfacing of 8051 to DAC&ADC

<https://www.youtube.com/watch?v=yFiiJ6bJUNE>

Schematic diagrams and basic concepts of Interfacing of 8051 to traffic light controller circuits.

<https://www.youtube.com/watch?v=FoOVjXVUcOA>

Schematic diagrams and basic concepts of Interfacing of 8051 to seven segment display

<https://www.youtube.com/watch?v=5hVjGOX7ez8&list=PLrjkTqI3jnm8HbdMwBYIMAd3UdstWChFH&index=61>

Schematic diagrams and basic concepts of Interfacing of 8051 to stepper motor

<https://www.youtube.com/watch?v=LlpQuaQE08A>

## **UNIT 5: PIC microcontrollers**

Core features of PIC microcontrollers, overview of various PIC microcontroller series.

PIC 16F877A-features, interfacing with LCD.

[https://www.youtube.com/watch?v=fozc9OPF\\_Nc](https://www.youtube.com/watch?v=fozc9OPF_Nc)

PIC 16F877A-features, pin diagram, I/O ports

<https://www.youtube.com/watch?v=PzaJqj5IKtU>

## **UNIT 1**

### **Digital communication**

Introduction to pulse and digital communications

[https://www.youtube.com/watch?v=T\\_fOKKITaYA&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=3&t=0s](https://www.youtube.com/watch?v=T_fOKKITaYA&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=3&t=0s)

Sampling theorem

<https://www.youtube.com/watch?v=VZ23yvTNjGI&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=20>

PAM

<https://www.youtube.com/watch?v=VMBGtCS2EGg>

PCM - Quantization, advantages and applications

[https://www.youtube.com/watch?v=aKl17gw\\_nfU&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=36](https://www.youtube.com/watch?v=aKl17gw_nfU&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=36)

PWM - <https://www.youtube.com/watch?v=DMwTgx70BJE&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=27>

PPM- <https://www.youtube.com/watch?v=YM4Kmyu3gVs&list=PLgwJf8NK->

[2e5PngHbdEadEun5XPvnn00N&index=28](https://www.youtube.com/watch?v=ucrZIde8vTk&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=28)

ASK - <https://www.youtube.com/watch?v=ucrZIde8vTk&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=9>

FSK- [https://www.youtube.com/watch?v=rrgon8Qne\\_E&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=11](https://www.youtube.com/watch?v=rrgon8Qne_E&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=11)

PSK-<https://www.youtube.com/watch?v=CCBdeVRMip8&list=PLgwJf8NK-2e5PngHbdEadEun5XPvnn00N&index=13>

Characteristics of data transmission circuits – Shannon limit for information capacity,  
<https://www.youtube.com/watch?v=3ekWsXeZ8TM>

## **UNIT 2 RADAR**

RADAR - Principle

<https://www.youtube.com/watch?v=bXcY5Kjz8Hw&list=PLgwJf8NK-2e4KmA52Jw3-JhDhFIDQZ9Bv&index=2&t=0s>

<https://www.youtube.com/watch?v=sSDNKhSQ4FI&list=PLgwJf8NK-2e4KmA52Jw3-JhDhFIDQZ9Bv&index=2>

Maximum Unambiguous range

[https://www.youtube.com/watch?v=9VwvfNL\\_Ues&list=PLZwdBSAw\\_GK3Q2Qy\\_S0BhRL40sQTHA9Xe&index=2&t=0s](https://www.youtube.com/watch?v=9VwvfNL_Ues&list=PLZwdBSAw_GK3Q2Qy_S0BhRL40sQTHA9Xe&index=2&t=0s)

Block diagram of pulsed RADAR system

<https://www.youtube.com/watch?v=0rRnxTO3L9s&list=PLgwJf8NK-2e4KmA52Jw3-JhDhFIDQZ9Bv&index=10>

RADAR range equation-derivation

<https://www.youtube.com/watch?v=p4gEpf8Goxs&list=PLgwJf8NK-2e4KmA52Jw3-JhDhFIDQZ9Bv&index=3>

Doppler Effect

<https://www.youtube.com/watch?v=VcwZ3N9anzc>

MTI RADAR-block diagram

<https://www.youtube.com/watch?v=pkZf0Dsuh-E&list=PLgwJf8NK-2e4KmA52Jw3-JhDhFIDQZ9Bv&index=11>

CW RADAR-block diagram, advantages, applications and limitations

<https://www.youtube.com/watch?v=Xwo1qdzwAgk&list=PLgwJf8NK-2e4KmA52Jw3-JhDhFIDQZ9Bv&index=8>

FM CW RADAR

[https://www.youtube.com/watch?v=wz8SiZndSxs&list=PLZwdBSAw\\_GK3Q2Qy\\_S0BhRL40sQTHA9Xe&index=7](https://www.youtube.com/watch?v=wz8SiZndSxs&list=PLZwdBSAw_GK3Q2Qy_S0BhRL40sQTHA9Xe&index=7)

[https://www.youtube.com/watch?v=gzRnetBk3Yc&list=PLZwdBSAw\\_GK3Q2Qy\\_S0BhRL40sQTHA9Xe&index=8](https://www.youtube.com/watch?v=gzRnetBk3Yc&list=PLZwdBSAw_GK3Q2Qy_S0BhRL40sQTHA9Xe&index=8)

## **UNIT 3 Satellite communication**

Introduction, need, satellite orbits, advantages and disadvantages of geostationary satellites, effect

of solar eclipse

<https://www.youtube.com/watch?v=Kf9cmrBtE40&list=PLZjlBaHNchvOiGj8PVi0EOzT6vrn7s85u&index=2>

<https://www.youtube.com/watch?v=UEUxSbANKO8&list=PLAnjLC20C-XQnoowCtt-67WmyxoQPu2Fi&index=5>

Simplified block diagram of Earth station.

<https://www.youtube.com/watch?v=mCGCOLs8RwY>

Satellite Access – TDMA, FDMA, CDMA concepts

<https://www.youtube.com/watch?v=yJho5FERZQY>

GPS

<https://www.youtube.com/watch?v=tgmMFgO9UKM>

## UNIT 4

### Optical Fiber Communication

Introduction – Need for OFC.

<https://www.youtube.com/watch?v=cPnKxaPAc7g&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=3&t=0s>

Block diagram of OFC system, Light propagation through fiber

[https://www.youtube.com/watch?v=q6\\_q2IBm93o&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=5&t=0s](https://www.youtube.com/watch?v=q6_q2IBm93o&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=5&t=0s)

Fiber optic cables

<https://www.youtube.com/watch?v=pavBq7HIoIE>

<https://www.youtube.com/watch?v=KW3HSJthFws>

Step index

fiber <https://www.youtube.com/watch?v=TmDSIZUNAcg&list=PLDp9Jik5WjRuUyDT6961r8pkelgJMG8fG&index=97&t=0s>

Graded index fiber

[https://www.youtube.com/watch?v=kEe\\_7m5m2eE&list=PLDp9Jik5WjRuUyDT6961r8pkelgJMG8fG&index=98&t=0s](https://www.youtube.com/watch?v=kEe_7m5m2eE&list=PLDp9Jik5WjRuUyDT6961r8pkelgJMG8fG&index=98&t=0s)

<https://www.youtube.com/watch?v=EYtmxI8gKSI&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=10&t=0s> – Refractive index

[https://www.youtube.com/watch?v=og\\_eXK2JoT4&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=12&t=0s](https://www.youtube.com/watch?v=og_eXK2JoT4&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=12&t=0s) – Total Internal Reflection

Snell's law - <https://www.youtube.com/watch?v=pKsi-wtJIUA&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=13&t=0s>

Numerical Aperture (derivation). - <https://www.youtube.com/watch?v=q37CpocWZyw>

Light sources – requirements

<https://www.youtube.com/watch?v=eoGhOgr0boQ&list=PLDp9Jik5WjRuUyDT6961r8pkelgJMG8fG&index=115>

LED

<https://www.youtube.com/watch?v=IEju3AT1olk>

Semiconductor laser diodes.

<https://www.youtube.com/watch?v=OOvIA2BWTPQ&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=49&t=0s>

[https://www.youtube.com/watch?v=QMW8J\\_uV1WQ](https://www.youtube.com/watch?v=QMW8J_uV1WQ)

Photo detectors

PN photodiode

<https://www.youtube.com/watch?v=eR9WntHpXZ0&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=59>

PIN Photodiode

<https://www.youtube.com/watch?v=zyeRCGeciVo&list=PLgwJf8NK-2e7CDIWsh61eItP9iRw1EIQc&index=63&t=0s>

Avalanche photodiodes

<https://www.youtube.com/watch?v=GkAvCokJ8Lo>

## Unit 5

### Cellular Communication and Wireless LANs

Concept of cellular mobile communication – cell and cell splitting

<https://www.youtube.com/watch?v=Khn7cA8pqjE>

Frequency reuse, Roaming and Hand off

<https://www.youtube.com/watch?v=ioj6F1v59yw>

CDMA technology, CDMA overview

<https://www.youtube.com/watch?v=BkThmLtjOpE>

Comparative study of GSM and CDMA

<https://www.youtube.com/watch?v=98OGDsot3dM>

Major components of local area network

<https://www.youtube.com/watch?v=w3DtrEPC1Lg>

Mobile IP

<https://www.youtube.com/watch?v=zRnJzv kf5gA>

OSI model

<https://www.youtube.com/watch?v=08Q97AHtzVo>

Concept of Bluetooth

<https://www.youtube.com/watch?v=HY5VdPhCWio>

Wi-Fi and WiMAX.

<https://www.youtube.com/watch?v=Q93Z5-t5bYY>

## WEBSITES FOR REFERENCE

### SUBJECT: ENGLISH

### BA

#### II Semester BA Optional English

1. The Little Black Boy - <https://www.sparknotes.com/poetry/blake/section4/>

<https://poemanalysis.com/william-blake/the-little-black-boy/>



2. The World Is Too With Us –

<https://www.bachelorandmaster.com/britishandamericanpoetry/the-world-is-too-much-with-us-summary-analysis.html#.Xpb9ucgzZPY>

<https://www.shmoop.com/study-guides/poetry/world-is-too-much-with-us/summary>

3. The Rhyme of Ancient Mariner-<https://www.gradesaver.com/the-rime-of-the-ancient-mariner/study-guide/summary-part-7>

<https://youtu.be/Nqzf0eVhjjY>

<https://www.coursehero.com/lit/The-Rime-of-the-Ancient-Mariner/part-7-summary/>

4. She Walks in Beauty-<https://beamingnotes.com/2013/05/21/she-walks-in-beauty-analysis-by-lord-byron-summary/>

<https://poemanalysis.com/lord-byron/she-walks-in-beauty>

5. The Cloud-<https://www.bachelorandmaster.com/britishandamericanpoetry/the-cloud.html#.XpcB5sgzZPY>

<https://poemanalysis.com/percy-bysshe-shelley/the-cloud>

6. Modern Gallantry-<https://ardhendude.blogspot.com/2011/05/analysis-of-charles-lambs-essay-modern.html>

7. Extract from Preface to Lyrical Ballads-<https://www.litcharts.com/lit/preface-to-the-lyrical-ballads/summary-and-analysis>

<http://www.supersummary.com/preface-to-lyrical-ballads/summary/>

<https://englishsummary.com/preface-lyrical-ballads-wordworth/>

8. Professions for women-<https://talk.collegeconfidential.com/college-essays/1908036-rhetorical-analysis-essay-on-professions-for-women-by-virginia-woolf.html>

<https://phdessay.com/literary-analysis-of-virginia-wolfes-professions-for-women/>

9. Wuthering Heights-<https://www.sparknotes.com/lit/wuthering/>

## II Semester BA General English

### 1. The Fly

<https://owlcation.com/humanities/Boss-Fly-Mansfield>

<http://sittingbee.com/the-fly-katherine-mansfield/>

### 2. A Face in the Dark

<https://englicist.com/notes/a-face-in-the-dark>

<https://www.litbug.com/2019/10/27/a-face-in-the-dark-by-ruskin-bond-summary-and-analysis/>

### 3. Mrs. Dutta Writes a Letter

<https://www.encyclopedia.com/education/news-wires-white-papers-and-books/mrs-dutta-writes-letter>

### 4. Give All to Love

<https://poemanalysis.com/ralph-waldo-emerson/give-all-to-love/>

### 5. The Cold Within

<https://englicist.com/notes/the-cold-within-james-patrick-kinney-summary>

<https://beamingnotes.com/2017/12/28/cold-within-analysis-james-patrick-kinney/>

### 6. Hayavadana

<https://www.litcharts.com/lit/hayavadana/act-1>

<https://youtu.be/ZR9oauUBso8>

### 7. Shut Down the Shop

<https://www.youtube.com/watch?v=tVkRbqtfs4w&t=840s>

### 8. The Good Bad and In-between the Social Media

<https://www.youtube.com/watch?v=fhwIHTXteJY>

## IV Semester B A Optional English

History of American Literature <https://www.youtube.com/watch?v=qibmsTdCTaI>

### Poetry

1. Walt Whitman- From Dong of Myself” I have said that the soul is not more than a body”

[www.literary-articles.com/2013/11/whitmans-mysticism-and-concept-of-body.html](http://www.literary-articles.com/2013/11/whitmans-mysticism-and-concept-of-body.html)

2. Emily Dickenson”-I measure every grief I meet”

<https://poets.org/poem/i-measure-every-grief-i-meet-561>

3. *Robert Frost*

*After Apple Picking*

[tps://www.bing.com/videos/search?q=after+apple+picking+analysis&docid=60](https://www.bing.com/videos/search?q=after+apple+picking+analysis&docid=60)

4. Wallace Stevens

Of Modern poetry

<https://quillsliteracy.org/analysis-of-wallace-stevens-on-modern-poetry-444>

5. *Langston Hughes*

*Freedom Train*

<https://graduateway.com/an-analysis-of-langston-hughes-poem-freedom-train>

6. *Maya Angelou*

*And Still I Rise*

<https://brightdreamsjournal.com/still-i-rise-maya-angelou-analysis-poem>

*Short stories and Essays*

7. *Nathaniel Hawthorne*

*The Minister’s Black Veil*

<https://artscolumbia.org/the-ministers-black-veil-essay-67831>

*Philip Roth*

### **8. Defender of the Faith**

<https://www.thefreedictionary.com/Defender+of+the+Faith>

9. Frederick Douglass

Chapter VI

<https://www.gradesaver.com/narrative-of-the-life-of-frederick-douglass...>

### **10. Chief Seattle's speech**

<https://englicist.com/notes/chief-seattles-speech-1854>

*Thoreau- Extract from Civil disobedience*

<https://www.gradesaver.com/civil-disobedience/study-guide/summary>

Tennessee Williams- The Glass Menagerie (Drama)

<https://phdessay.com/character-analysis-of-the-glass-menagerie>

## **IV Semester BA General English**

Literary Components

### **1. Lines Written in early Spring- Wordsworth**

<https://poemanalysis.com/william-wordsworth/lines-written-in-early-spring>

2. Weaver Bird- Kofi Awonoor

<https://www.angolahelpview.com/the-weaver-bird-poem-summary>

3. Speech on world Humanitarian Day- Chimamanda Ngozi

<https://brittlepaper.com/2016/09/full-transcript-read-word-chimamanda-adichies-powerful-world-humanitarian-day-speech/>

### **4. The Talkative man- R K Narayan**

<https://www.bing.com/videos/search?q=talkative+man+analysis+video&q=HS&cvid>

## **Presentation skills**

<https://www.cleverism.com/skills-and-tools/presentation-skills>

Interview skills

<https://www.skillsyouneed.com/ips/interview-skills.html>

## **Resume Writing**

<https://www.thebalancecareers.com/job-resumes-4161923>

### **BCA/BSC II SEMESTER**

1. Britain does owe Reparations- <https://www.independent.co.uk/news/uk/home-news/dr-shashi-tharoor-tells-the-oxford-union-why-britain-owes-reparations-for-colonising-india-in-viral-10407997.html>

<https://www.bbc.com/news/world-asia-india-33647422>

2. Celebrity- <https://www.youtube.com/watch?v=AqmvdQlciNc>

3. Shooting an Elephant- <https://www.gradesaver.com/shooting-an-elephant/study-guide/summary-part-one>

4. Bankers are just like anybody else-

<https://mastanappa.blogspot.com/2016/01/bankers-are-just-like-anybody-else.html>

5. A Midsummer Night's Dream- <https://www.gradesaver.com/midsummer-nights-dream/study-guide/summary>

6. Hayavadana- <https://classicalartsuniverse.com/girish-karnad-hayavadana-summary-analysis/>

### **BCA/BSC IV SEMESTER**

1. Untouchability is worse than slavery-

<https://www.ambedkaritetoday.com/2019/12/which-is-worse-slavery-or-untouchability.html>

2. O, How I Love Your Streets- <https://brainly.in/question/3487415>

3. The Ramapuram Tiger- [https://www.youtube.com/watch?v=KzREw\\_eNzws](https://www.youtube.com/watch?v=KzREw_eNzws)

4. Animal Farm- <https://englishsummary.com/lesson/animal-farm-chapter-1-summary/>

<https://www.youtube.com/watch?v=XXkicQRl6vg&t=4146s>

<https://www.cliffsnotes.com/literature/a/animal-farm/book-summary>

## **BCOM/BBA II SEMESTER**

1. Freedom

<https://www.enotes.com/homework-help/read-freedom-by-rabindranath-tagore-analyze-poem->

2. Endymion

<https://poemanalysis.com/john-keats/endymion-book-one/>

3. The Happy Prince

<https://www.learn cram.com/english-summary/the-happy-prince-summary/>

4. Definitions of Feminity and Masculinity

<https://www.youtube.com/watch?v=Pyr-XKQG2CM>

5. The Sunderbans

<https://www.youtube.com/watch?v=gwNtUnM6kas>

6. Hayavadana

<https://www.litcharts.com/lit/hayavadana/act-1>

<https://youtu.be/ZR9oauUBso8>

7. Charlie Chaplin –An extract from Autobiography

<https://www.youtube.com/watch?v=6-T7y5A5e7Y&t=404s>

[https://youtu.be/v\\_ibx52DgoA](https://youtu.be/v_ibx52DgoA)

## 8. A Cut Above

<https://blog.evergalax.com/business/entrepreneur/biba-meena-bindra-success-story/>

### **BCOM/BBA IV SEMESTER**

#### 1. Jonathan Livingston Seagull

<http://www.supersummary.com/jonathan-livingston-seagull/summary/>

<https://www.bookreports.info/jonathan-livingston-seagull/summary/>

<https://janelliguiang.wordpress.com>

<https://www.enotes.com>

<https://www.bartleby.com>

#### 2. Phoenix of Beauty

<https://www.youtube.com/watch?v=LjPM7jD04Xk>

#### 3. The Hoop

[www.online-literature.com](http://www.online-literature.com)

<https://www.scribd.com>

<https://www.amazon.in>

<https://www.kobo.com>

#### 4. How Soon Hath Time

<https://www.litcharts.com>

<https://englishpoetsummary.blogspot.com>

<https://poemanalysis.com>

<https://www.enotes.com>

#### 5. Give us a Role Model

<https://www.youtube.com/watch?v=PG9AD9i74PQ>

<https://www.youtube.com/watch?v=V4vFfvDEjck>

## 6. How Kacha Got the Secret

<https://en.m.wikipedia.org>

<https://brainly.in>

<https://youtu.be/VL2RfEWOq-U>

## 7. Nationalism-An Interview

<https://youtu.be/1bZv3pSaLtY>

[https://youtu.be/OhVrT\\_NeF74](https://youtu.be/OhVrT_NeF74)