

Vivekanand College, Kolhapur (Autonomous)

Department of Electronics

B. Sc-II Semester-III

Internal Examination Feb-2020-21


Notice

All the students of B. Sc-II, hereby informed that the internal examination of 20 marks for Feb-2020-21 will be conducted as per the below timetable. The examination will be conducted online mode with Google Forms. Attend the examination on your place on time given in time table. The nature question paper is multiple-choice questions. The syllabus for internal examination will be syllabus covered still 6th feb.2021.

Time table

Sr. No	Code and Name of paper	Section	Day and Date	Time
1	DSE 1005C : Electronics Communication and Microprocessor 8085	I & II	Tuesday, 9 th feb,2021	11.30 am-12.30




Head of Department
Head
Department of Electronics
Vivekanand College, Kolhapur.



Vivekanand College, Kolhapur (Autonomous) B.Sc-II (Sem-III) Internal Exam-2021_ Electronics

Paper No-III Section-I& II Subject Code: DSC-1005C
Name of Paper: Electronics Communication and Microprocessor 8085
Date: 09 /02/2021 Time:11.30 am to 12.30 pm
Total Marks: 20

Instructions:

- 1.All Questions are compulsory.
- 2.Each Question carries 1 Marks.
- 3.Figure to write indicate full marks.

* Indicates required question

1. Email *

2. Student name (First name_ Middle name_Last name) *

3. 1. ----- is the name given to simultaneous two-way communication.

Mark only one oval.

- Simplex
- half duplex
- Full duplex
- None of these



19. 17. has the highest interrupt priority.

Mark only one oval.

- RST 7.5
- RST 6.5
- RST 5.5
- TRAP

20. 18. ----- register is used to indicate the status of the result.

Mark only one oval.

- ACC
- B
- Flag
- PC

21. 19. Zero flag = 1, which means the result is -----

Mark only one oval.

- Non zero
- Zero
- 1
- None of these

22. 20. Parity flag = 1, indicates the result has ---- parity

Mark only one oval.

- Even
- Odd
- Not defined
- None of these



Vivekanand College, Kolhapur (Autonomous)
Department of Electronics
B. Sc. II Sem IV
Internal Examination Feb 2020-21
Notice

Date: 19.07.2021

All the student of B.Sc.-III hereby informed that, the internal exam of Electronics Sem IV will be held in **online mode with Google forms**. The detail time table is given below.

Paper	Section	Section title	Marks	Date	Time
IV DSC - 1005D	I & II	Advanced Communication & Microcontroller 8051	20	23.07.2021	11:00 am to 12:00pm



(Mr. D. M. Panhalkar)

Head
Department of Electronics
Vivekanand College, Kolhapur.

Vivekanand College, Kolhapur
(Autonomous) B.Sc-II (Sem-IV)
Internal Exam-July-2021 Electronics

Paper No-IV

Section-I& II

Subject Code: DSC-1005D

Name of Paper: Advance Communication and Microcontroller 8051

Date: 23 /07/2021

Time:11.00 am to 12.00 am

Total Marks: 20

Instructions:

- 1.All Questions are compulsory.
- 2.Each Question carries 1 Marks.
- 3.Figure to write indicate full marks.

* Indicates required question

1. Email *

2. Student name (First name_ Middle name_Last name) *

3. 1. Amplitude of pulse train varies according to instantaneous value of modulating signal is called ---

Mark only one oval.

 PWM PAM PCM PDM

20. 18. The total number of register banks in 8051 microcontroller are _____.

Mark only one oval.

- 1
- 2
- 3
- 4

21. 19. A logic _____ on RST pin resets the 8051 microcontroller.

Mark only one oval.

- Low
- High
- high impedance
- none of these

22. 20. In 8051 RAM space, bit addressable area starts from _____.

Mark only one oval.

- 10H to 1FH
- 20H to 2FH
- 30H to 3FH
- 40H to 4FH

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Vivekanand College, Kolhapur (Autonomous)

Department of Electronics

B. Sc-III Semester-V

Internal Examination Feb-2020-21

Notice

All the students of B. Sc-III, hereby informed that the internal examination of 20 marks for Feb-2020-21 will be conducted as per the below timetable. The examination will be conducted online mode with Google Forms. Attend the examination on your place on time given in time table. The nature question paper is multiple-choice questions.

Time table

Sr. No	Code and Name of paper	Section	Day and Date	Time
1	DSE 1005E1 : Linear Integrated Circuits, 8051 Microcontroller Interfacing and Embedded C	I & II	Monday, 8 th feb,2021	11.30 am-12.30
2	DSE 1005E1 : Instrumentation, Antenna and Wave Propagation	I & II	Wednesday, 10 th feb,2021	11.30 am-12.30




Head of Department
Head
Department of Electronics
Vivekanand College, Kolhapur



Vivekanand College, Kolhapur (Autonomous)

Internal Examination (2020-2021)

Class:-B.Sc-III

Paper:-Linear Integrated Circuits

Sem:-V

Marks:-10

Subject:-Electronics

date:-10/01/2022

* Indicates required question

1. Email *

2. Roll Number *

3. Name of the student *

4. Mobile Number *

5. 1. The main advantage of differential amplifier is that it rejects..... *

Mark only one oval.

- Common mode signal
- distortion
- differential mode signal
- noise



2. Offset null pins provided to IC 741 are.....

Mark only one oval.

- 2 and 4
- 3 and 5
- 1 and 5
- none of these

Q.2 : Attempt any two

7. 1. Explain any four parameters of OP-amp
op-amp amplifier circuit
the neat circuit diagram.
2. Explain block diagram of *
3. Explain basic differential amplifier using basic differential
4. Explain current mirror circuit with

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2. Offset null pins provided to IC 741 are.....

Mark only one oval.

- 2 and 4
- 3 and 5
- 1 and 5
- none of these

Q.2 : Attempt any two

7. 1. Explain any four parameters of OP-amp
op-amp amplifier circuit
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Vivekanand College, Kolhapur (Autonomous) B.Sc-III (Sem-V) Internal Exam-2021_ Electronics

Paper No-VI

Section-I & II

Subject Code: DSC-1005E2

Name of Paper: Instrumentation, Antenna and Wave Propagation

Date: 10/02/2021

Time: 11.30 pm to 12.30 pm

Total Marks: 20

Instructions:

1. All Questions are compulsory.
2. Each Question carries 1 Marks.
3. Figure to write indicate full marks.

* Indicates required question

1. Email *

2. Name of the Student (First Name _Middle Name_Last Name) *

3. 1. The radiation pattern is a ----- dimensional quantity.

Mark only one oval.

- One
- Two
- Three
- None of the mentioned



17. 15. Which of the following thermocouple material combination provides a higher voltage and higher temperature range?

Mark only one oval.

- chromel-alumel
 chromel-constantan
 copper-constantan
 iron- constantan

18. 16. The main sensing element used in the piezoelectric transducer is _____.

Mark only one oval.

- thermocouple
 quartz crystal
 LDR
 None of these

19. 17. Strain gauge is a _____ type transducer

Mark only one oval.

- temperature
 Pressure
 Optical
 None of these

20. 18. LVDT is a _____ type of transducer

Mark only one oval.

- temperature
 Active
 Passive
 None of these



B. Sc. III Sem VI
Internal Examination Feb 2020-21

Notice

Date: 14/06/2021

All the student of B.Sc.-III hereby informed that, the internal exam of Electronics Sem VI will be held in **online mode with Google forms**. The detail time table is given below.

Paper	Section	Section title	Marks	Date	Time
DSE 1005F1	I & II	Industrial Process control , PLC Programming and Advanced Microcontroller	20	23/06/2021	01.15pm to 02.15 pm
DSE 1005F2	I & II	Power Electronics, FPGA & VHDL Programming	20	21/06/2021	11.30 am to 12.30 pm



(Mr. D. M. Panhalkar)



Head
Department of Electronics
Vivekanand College, Kolhapur.

B.Sc. Electronics part-III Semester-VI

Internal Examination 2021

Subject: Electronics

Name of Paper: Advanced Microcontroller and Embedded System

Date: 23/06/2021 Time: 1.15pm to 2.15pm

Total Marks: 10

* Indicates required question

1. Email *

2. Full Name of Student: *

3. Seat Number: *

4. Embedded system is combination of _____.*

Mark only one oval.

- hardware and software
- hardware
- software
- none of these



Power Electronics-Internal Exam-Sem VI-2021

Paper No-VI

Section-I & II

Subject Code: DSC-1005F2

Name of Paper: Power Electronics

Data: 21/06/2021

Time: 11.30 pm to 12.30 pm

Total Marks: 20

Instructions:

1. All Questions are compulsory.
2. Each Question carries 1 Marks.
3. Figure to write indicate full marks.

* Indicates required question

1. Email *

2. Name of the student (First Name Middle Name Last Name) *

3. Roll number *

4. 1) A p-n junction diode is a ----- switching device .

Mark only one oval.

- Unidirectional
- Bi-directional
- Multidirectional
- none of the above



Vivekanand College Kolhapur(Autonomous)
Internal Exam B.Sc-III ,Sem-VI (2020-2021)
FPGA and VHDL

Programming
B.Sc-III

* Indicates required question

1. Email *

2. Roll No: *

3. Name of the student *

4. 1. The FPGA refers to _____ *

2 points

Mark only one oval.

- First programmable Gate Array
- Field Programmable Gate Array
- First Program Gate Array
- Field Program Gate Array



5. 2. The complex programmable logic device (CPLD) contains several PLD blocks * 2 points
and.....

Mark only one oval.

- a language compiler
- AND/OR Array
- a global interconnection network
- field programmable switches

6. 3. Programmable Array Logic (PAL)..... *

2 points

Mark only one oval.

- Programmable AND array and programmable OR array
- Programmable AND array and fixed OR array
- Fixed AND array and fixed OR array
- None of these

7. 4. The full form of VLSI is _____ *

2 points

Mark only one oval.

- Very Long Single Integration
- Very Least Scale Integration
- Very Large Scale Integration
- Very Long Scale Integration

8. 5. Families of FPGA is/are..... *

2 points

Mark only one oval.

- Xilinx
- Altera
- Actel
- All of these



9. 6. Programmable Read Only Memory is..... *

2 points

Mark only one oval.

- One time programmable
- two time programmable
- Many time programmable
- none of these

10. 7. Which is not part of FPGA? *

2 points

Mark only one oval.

- Configurable logic block.
- Interconnects
- Switch blocks
- micro-processor

11. 8. An Antifuse programming technology is associated with _____ *

2 points

Mark only one oval.

- CPLDs
- SPLDs
- FPGAs
- ASICs

12. 9. PLAs, CPLDs, and FPGAs are all which type of device? *

2 points

Mark only one oval.

- SRAM
- EPROM
- PLD
- SLD



10. Vertical and horizontal directions in FPGA are separated by _____ *

2 points

Mark only one oval.

- A channel
- A line
- A flip-flop
- A strobe

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