

**Vivekanand College, Kolhapur (Autonomous)**  
**Department of Electronics**  
**Internal Examination Notice**  
**(B.Sc-I)**

**Date: 26/07/2021**

**Course/Subject Name: DSC 1005B**

All the students hereby informed that, there will be an online test of 20 marks. The test will be conducted through the Google Platform on 02/08/2021 (Monday). The Google form link will be sent on what's app group 5 min before commencement of the exam.

Date: 02/08/2021

Time: 11.15 am

Platform: Google form

Test Duration: 1Hr



Dr. P. S. Jadhav  
Subject Teacher



Head of the Department  
**HEAD**  
DEPARTMENT OF ELECTRONICS  
VIVEKANAND COLLEGE, KOLHAPUR  
(AUTONOMOUS)

# Vivekanand College, Kolhapur(Autonomous)

## Internal Examination

### Subject:- Electronics

### B.Sc-I , Semester-II (2020-2021)

Marks:20

Date:02/08/2021

Time:1 Hr

\* Indicates required question

1. Email \*

\_\_\_\_\_

2. Roll No: \*

\_\_\_\_\_

3. Name of the student: \*

\_\_\_\_\_

4. 1. The input state of an Op-amp is usually a ..... \*

*Mark only one oval.*

- level shifter
- differential amplifier
- CE amplifier
- class A amplifier

5. 2. With zero volts on both inputs, an op-amp ideally should have an output ..... \*

*Mark only one oval.*

- equal to the positive supply voltage
- equal to the negative supply voltage
- equal to zero
- equal to infinity
- Other: \_\_\_\_\_



6. 3. Another name for a unity gain amplifier is ..... \*

*Mark only one oval.*

- difference amplifier
- voltage follower
- comparator
- none of these

7. 4. In op-amp, signal applied at inverting terminal appears at output terminal with a phase ..... \*

*Mark only one oval.*

- 0
- 90
- 180
- 270

8. 5. The feedback path of an op-amp integrator consists of ..... \*

*Mark only one oval.*

- a resistor
- a capacitor
- inductor
- none of these

9. 6. Input offset current is basically defined as the algebraic ..... the base current of two transistors \*

*Mark only one oval.*

- sum of
- difference between
- product of
- division of



10. 7. The ratio between differential gain and common-mode gain is called..... \*

Mark only one oval.

- bandwidth
- PSWR
- slew rate
- CMRR

11. 8. Slew rate is expressed in..... \*

Mark only one oval.

- V/ $\mu$ S
- $\mu$ S/V
- ms/v
- none of these

12. 9. The circuit in which the output voltage waveform is the differentiation of the input voltage waveform is called..... \*

Mark only one oval.

- Integrator
- Differentiator
- Phase shift oscillator
- Square wave generator

13. 10. In IC 741 pin nos ..... used for offset null. \*

Mark only one oval.

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



14. 11. The Radix of Hexadecimal number system is \_\_\_\_\_ \*

Mark only one oval.

2

8

10

16

15. 12. The Decimal equivalent of binary (11110) is \_\_\_\_\_ \*

Mark only one oval.

16

19

30

32

16. 13. The BCD representation of decimal 125 is \_\_\_\_\_ \*

Mark only one oval.

100100101

000100100101

01111101

none of these

17. 14. The binary equivalent of decimal 45 is \_\_\_\_\_ \*

Mark only one oval.

101111

101101

101110

111101



18. 15. The ASCII code is \_\_\_\_\_ bit code. \*

Mark only one oval.

- 7
- 8
- 16
- 32

19. 16. 2's compliment of (0111) is \_\_\_\_\_.\*

Mark only one oval.

- (1000)
- (1100)
- (1001)
- (0111)

20. 17. The Decimal equivalent of hexadecimal (2FF) is \_\_\_\_\_.\*

Mark only one oval.

- 100
- 222
- 767
- 101

21. 18. In signed binary number, the sign is represented by \_\_\_\_\_.\*

Mark only one oval.

- LSB
- MSB
- second LSB
- none of these



22. 19. The octal equivalent of binary (11011) is \_\_\_\_\_ \*

Mark only one oval.

11

22

33

44

23. 20. The Decimal equivalent of Octal (477) is \_\_\_\_\_ \*

Mark only one oval.

111

100

477

319

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Google Forms



Sl. No	Timestamp	Email Address	Roll No:	Name of the student:	Score
1	8/2/2021 11:36	ybargir31@gmail.com			
2	8/2/2021 11:28	dhirajbhingardeve62@gmail.com	7101	Bargir yusuf rahim	14 / 20
3	8/2/2021 11:53	bidresupriya@gmail.com	7102	Dhiraj Prakash Bhingardeve	15 / 20
4	8/2/2021 11:28	shivanichougale72@gmail.com	7103	Prajakta Sunil Bidre	13 / 20
5	8/2/2021 12:00	tejaschougale007@gmail.com	7104	Shivani shrikant Chougale	16 / 20
6	8/2/2021 11:35	vinayakdevekar18428@gmail.com	7105	Chougale tejas madan	11 / 20
7	8/2/2021 11:22	shreyashdhotre2001@gmil.com	7107	Vinayak Devekar	16 / 20
8	8/2/2021 11:24	namratagajare47@gmail.com	7108	Shreyash rajendra Dhotre	16 / 20
9	8/2/2021 11:36	dnyaneshwargarad2001@gmail.com	7110	Namrata Ratan Gajare	13 / 20
10	8/2/2021 11:40	shreyagurav830@gmail.com	7111	Dnyaneshwar Garad	14 / 20
11	8/2/2021 11:29	rutujakamble7458@gemil.com	7112	Shreya Sardar Gurav	13 / 20
12	8/2/2021 11:11	pradnyajadhav2492@gmail.com	7113	Kamble Rutuja Raghunath	13 / 20
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15	8/2/2021 11:51	amolkamble9402@gmail.com	7116	SIDDHESH JADHAV	14 / 20
16	8/2/2021 11:40	kingketan09@gamil.com	7117	Amol Kamble	16 / 20
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24	8/2/2021 11:54	kondekarasmita@gmail.com	7125	Pratiksha Rajgonda Koli	18 / 20
25	8/2/2021 11:09	harshkopardekar@gmail.com	7126	Asmita Tanaji Kondekar	16 / 20
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27	8/2/2021 11:35	maliabhi1001@gmail.com	7128	Tejas Vikas Kothawale	15 / 20
28	8/2/2021 11:22	samruddhimali15@gamil.com	7129	Abhishek sanjay mali	13 / 20
29	8/2/2021 11:48	amanmaner@01gmail.com	7130	Samruddhi suresh mali	17 / 20
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33	8/2/2021 11:28	abhipatil72627262@gmail.com	7134	Aaryan pramod patil	17 / 20
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43	8/2/2021 11:16	anirudhapatil624@gmail.com	7146	Pruthviraj powar	14 / 20
44	8/2/2021 11:39	ajinkyapriyadarshi8@gmail.com	7147	Anirudha Vitthal Patil	16 / 20
			7149	ajinkyashok priyadarshi	15 / 20
			7150		





45	8/2/2021 11:31	vrushaliropalkar@gmail.com	7152	Vrushali Umesh Ropalkar	13 / 20
46	8/2/2021 11:41	naganathsankpal1@gmail.com	7153	Naganath Uddhav sankpal	14 / 20
47	8/2/2021 11:22	sahilsawant345@gmail.com	7155	Sahil Ananda Sawant	17 / 20
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55	8/2/2021 11:29	ys22683@gmail.com	7165	Shivangi Shivprasad Yadav	15 / 20
56	8/2/2021 11:38	vedajayadav2407@gmail.com	7166	Vedaja Ajay Yadav	18 / 20
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99	8/2/2021 11:35	m	7465	Shankar Gajanan Jadhav	16 / 20
100	8/2/2021 11:21	vaishnavinjadhav2002@gmil.com	7467	Vaishnavi nanaso jadhav	15 / 20
101	8/2/2021 12:35	animeshbhople885507@gmail.com	R7278	Animesh sunil bhople	13 / 20

Teacher

(subject Teacher)

