




Shikshan Prasarak Mandal, Anadur's  
**Jawahar Arts, Science & Commerce College,**  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

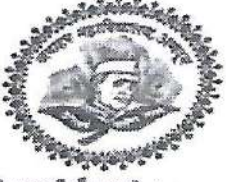
Department of Chemistry  
Academic Year 2018-19

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2	Time Table
3	Question Paper
4	Present- Absent Report
5	Result
6	Exam Report

  
HOD

  
Principal  
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad



दुरितांघे तिमिर जावो !

Shikshan Prasarak Mandal's Anadur

**JAWAHAR ART'S, SCIENCE & COMMERCE COLLEGE, ANADUR**

Tq. Tuljapur, Dist. Osmanabad-413 603

**NAAC GRADE - B++(CUPA 2.81)**

**President :- Shri. B.F.Kasture**

**Secretary :- Shri. S.N. Alure Guruj**

**VC Principal :- Dr.Smt. M.B. Jadhav(Mob.9960242667)**

**☎ :- (02471) 246037, 246737**

दि. १४.०९.२०१८

### सूचना

बी.ए./बी.एस्सी./बी.कॉम.(I,II,III) वर्षातील सर्व विद्यार्थ्यांना सूचित करण्यात येते की, अंतर्गत मूल्यमापन कार्यक्रम (२०१८-२०१९) नुसार प्रथम घटक चाचणी दि.१८ व १९ सप्टेंबर २०१८ रोजी घेण्यात येणार आहे. सदर घटक चाचणीचे वेळापत्रक सूचना फलकावर लावण्यात येईल याची सर्वांनी नोंद घ्यावी.

**Co-ordinator**

**अंतर्गत मूल्यमापन समिती**  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq.- Tuljapur, Dist.- Osmanabad.

**प्राचार्य**

जवाहर कला, विज्ञान व वाणिज्य महाविद्यालय,  
अणदुर, ता. तुळजापूर, जि. उस्मानाबाद.

**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.

**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljaur, Dist. Osmanabad -413603**

**Department of Chemistry -**

Date- 16 / 09 / 2018

**UNIT TEST TIME TABLE – I (2018-19)**

Unit Test	Date	Semester	Class	Paper	Time
I	18/09/2018	I	B.Sc.-I	I	12.30 to 1.10
				II	1.20 to 2.10
		III	B.Sc.-II	VII	11.40 to 12.20
				VIII	12.30 to 1.10
	19/09/2017	V	B.Sc.-III	XIII	11.40 to 12.20
				XIV	12.30 to 1.10

  
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Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-I

SEMESTER MISTER: I

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Class: **B.Sc.I**      Subject: **Chemistry**      Paper No.: I      Marks: **10**  
Date: 18/09/2018      Name of the Paper: **Inorganic Chemistry**      Time: **12.30 to 1.10**

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Note: All questions are compulsory.

Q.1. What are S-block elements? Explain role of alkali metals in biological system. 10 marks

Or

Q.2. What are interhalogen compounds? Explain in detail AX<sub>3</sub> and AX<sub>5</sub> type of interhalogen compound. 10 marks

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2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-I

SEMISTER MISTER: I

Class: **B.Sc.I**      Subject: **Chemistry**      Paper No.: **I**      Marks: **10**

Name of the Paper: **Inorganic Chemistry**

Note: All questions are compulsory

**Q.1.** Explain the hydrides and oxides of group IVA or 14th Elements.      10 marks

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*JAC*  
  
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Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Date- 18/09/2018

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-I, Semester: I, Name of Paper: Inorganic Chemistry,  
Paper No. : I, Marks 20, Dr. V. G. More

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA-01	P	26	AA26	P	51	AA51	A	76	AA76	P
2	02	P	27	27	P	52	52	P	77	77	P
3	03	P	28	28	P	53	53	P	78	78	P
4	04	P	29	29	P	54	54	P	79	79	P
5	05	P	30	30	P	55	55	P	80	80	A
6	06	P	31	31	P	56	56	P	81	81	P
7	07	P	32	32	P	57	57	P	82	82	A
8	08	A	33	33	P	58	58	P	83	83	P
9	09	P	34	34	P	59	59	P	84	84	P
10	10	P	35	35	P	60	60	P	85	85	P
11	11	A	36	36	P	61	61	P	86	86	P
12	12	P	37	37	P	62	62	P	87	87	P
13	13	P	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	P	40	40	P	65	65	P	90	90	P
16	16	P	41	41	P	66	66	A	91	91	P
17	17	P	42	42	P	67	67	A	92	92	P
18	18	A	43	43	P	68	68	P	93	93	P
19	19	P	44	44	P	69	69	A	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	P	73	73	P	98	98	P
24	24	P	49	49	P	74	74	P	99	99	P
25	25	P	50	50	P	75	75	A	100	100	A

*(Signature)*  
**Principal**

Number of student present- \_\_\_\_\_ Number of students absent- \_\_\_\_\_ Total students \_\_\_\_\_  
Jawahar Arts, Science & Commerce College  
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**Shikshan Prasarak Mandal, Anadur's  
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**INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Date- 18/09/2018

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-I, Semester: I, Name of Paper: Inorganic Chemistry  
Paper No. : I, Marks = 10, Dr. V.G. Mane

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA101	A	26	AA126	P	51			76		
2	102	P	27	127	P	52			77		
3	03	P	28	28	P	53			78		
4	04	P	29	29	P	54			79		
5	05	P	30	30	P	55			80		
6	06	P	31	31	P	56			81		
7	07	P	32	32	P	57			82		
8	08	P	33			58			83		
9	09	P	34			59			84		
10	10	P	35			60			85		
11	11	P	36			61			86		
12	12	P	37			62			87		
13	13	P	38			63			88		
14	14	P	39			64			89		
15	15	P	40			65			90		
16	16	P	41			66			91		
17	17	P	42			67			92		
18	18	P	43			68			93		
19	19	P	44			69			94		
20	20	P	45			70			95		
21	21	P	46			71			96		
22	22	P	47			72			97		
23	23	P	48			73			98		
24	24	P	49			74			99		
25	25	P	50			75			100		

Number of student present-  
= 120

Number of students absent-  
= 12

Total students = 132

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INTERNAL QUALITY ASSURANCE CELL

Date-18/09/2018

Internal Evaluation 2018-19

Department of Chemistry

Present-Absent Report of Test

Class: B.Sc.-I

Semester: I

Time: 50 min

Name of Paper: Inorganic Chemistry,

Paper No.: I

Marks 10

Name of Invigilator: Dr. V. G. Mane

Roll number of present Students	Roll number of absent Students	Total
AA-01, AA-02, AA-03, AA-04, AA-05, AA-06, AA-07, AA-09, AA-10, AA-12, AA-13, AA-14, AA-15, AA-16, AA-17, AA-19, AA-20, AA-21, AA-22, AA-23, AA-24, AA-25, AA-26, AA-27,	AA-08, AA-11, AA-18, AA-51, AA-66, AA-67 AA-69, AA-75, AA-80, AA-82, AA-100, AA-101,	
AA-28, AA-29, AA-30, AA-31, AA-32, AA-33, AA-34, AA-35, AA-36, AA-37, AA-38, AA-39, AA-40, AA-41, AA-42, AA-43, AA-44, AA-45, AA-46, AA-47, AA-48, AA-49, AA-50, AA-52,		
AA-53, AA-54, AA-55, AA-56, AA-57, AA-58, AA-59, AA-60, AA-61, AA-62, AA-63, AA-64, AA-65, AA-68, AA-70, AA-71 AA-72, AA-73, AA-74, AA-76, AA-77, AA-78, AA-79, AA-81,		
AA-83, AA-84. AA-85, AA-86, AA-87, AA-88, AA-89, AA-90, AA-91, AA-92, AA-93, AA-94, AA-95, AA-96, AA-97, AA-98, AA-99, AA-102, AA-103, AA-104, AA-105, AA-106, AA-107,		132
AA-108, AA-109, AA-110, AA-111, AA-112, AA-113, AA-114, AA-115, AA-116, AA-117, AA-118, AA-119, AA-120, AA-121, AA-122, AA-123, AA-124, AA-125, AA-126, AA-127, AA-128, AA-129, AA-130, AA-131, AA-132,		
Total present Students = 120	Total absent Students = 12	

Signature of Invigilator

Coordinator of Internal evaluation cell

Signature of Principal

Internal Evaluation Cell  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq.- Tuljapur, Dist.- Osmanabad,  
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad





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INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher:

Class: B.Sc.-I

Semester: I

Name of Paper: Inorganic Chemistry

Paper No. : I

Marks Test-10,

Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AA-01	08	07	15	26	AA-26	08	06	14
2	AA-02	06	09	15	27	AA-27	07	08	15
3	AA-03	08	06	14	28	AA-28	06	07	13
4	AA-04	07	08	15	29	AA-29	06	09	15
5	AA-05	06	07	13	30	AA-30	08	06	14
6	AA-06	06	09	15	31	AA-31	07	08	15
7	AA-07	08	06	14	32	AA-32	06	09	15
8	AA-08	Absent	08	08	33	AA-33	08	06	14
9	AA-09	06	07	13	34	AA-34	07	08	15
10	AA-10	06	09	15	35	AA-35	06	Absent	06
11	AA-11	Absent	09	09	36	AA-36	06	09	15
12	AA-12	08	06	14	37	AA-37	08	06	14
13	AA-13	Absent	08	08	38	AA-38	07	08	15
14	AA-14	06	07	13	39	AA-39	06	07	13
15	AA-15	06	09	15	40	AA-40	06	09	15
16	AA-16	08	06	14	41	AA-41	06	09	15
17	AA-17	07	08	15	42	AA-42	08	06	14
18	AA-18	06	Absent	06	43	AA-43	07	08	15
19	AA-19	08	06	14	44	AA-44	06	07	13
20	AA-20	07	08	15	45	AA-45	06	09	15
21	AA-21	06	07	13	46	AA-46	08	06	14
22	AA-22	06	09	15	47	AA-47	06	09	15
23	AA-23	08	06	14	48	AA-48	08	06	14
24	AA-24	07	08	15	49	AA-49	07	08	15
25	AA-25	06	07	13	50	AA-50	06	07	13

*[Signature]*  
Principal



Sr. No.	Roll. No	06	09	Total	Sr. No.	Roll. No	06	09	Total
51	AA-51	Absent	09	09	84	AA-84	08	06	14
52	AA-52	08	06	14	85	AA-85	Absent	08	08
53	AA-53	07	08	15	86	AA-86	06	07	13
54	AA-54	06	07	13	87	AA-87	06	09	15
55	AA-55	06	09	15	88	AA-88	06	09	15
56	AA-56	08	06	14	89	AA-89	08	06	14
57	AA-57	06	09	15	90	AA-90	07	08	15
58	AA-58	08	06	14	91	AA-91	06	07	13
59	AA-59	07	08	15	92	AA-92	06	09	15
60	AA-60	06	07	13	93	AA-93	08	06	14
61	AA-61	06	09	15	94	AA-94	06	09	15
62	AA-62	08	06	14	95	AA-95	08	06	14
63	AA-63	07	08	15	96	AA-96	07	08	15
64	AA-64	06	07	13	97	AA-97	06	07	13
65	AA-65	06	09	15	98	AA-98	06	09	15
66	AA-66	Absent	09	09	99	AA-99	08	06	14
67	AA-67	Absent	06	06	100	AA-100	Absent	08	08
68	AA-68	07	08	15	101	AA-101	Absent	07	07
69	AA-69	Absent	07	07	102	AA-102	06	09	15
70	AA-70	06	09	15	103	AA-103	06	09	15
71	AA-71	08	06	14	104	AA-104	08	06	14
72	AA-72	06	09	15	105	AA-105	07	08	15
73	AA-73	08	06	14	106	AA-106	06	07	13
74	AA-74	07	08	15	107	AA-107	06	09	15
75	AA-75	Absent	07	07	108	AA-108	08	06	14
76	AA-76	06	09	15	109	AA-109	06	09	15
77	AA-77	08	06	14	110	AA-110	08	06	14
78	AA-78	07	08	15	111	AA-111	07	08	15
79	AA-79	06	07	13	112	AA-112	06	07	13
80	AA-80	Absent	09	09	113	AA-113	06	09	15
81	AA-81	06	09	15	114	AA-114	08	06	14
82	AA-82	Absent	06	06	115	AA-115	07	08	15
83	AA-83	07	08	15	116	AA-116	06	07	13

*[Signature]*  
Principal

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
117	AA-117	06	07	13	125	AA-133	06	09	15
118	AA-118	06	09	15	126	AA-134	06	09	15
119	AA-119	08	06	14	127	AA-135	08	06	14
120	AA-120	06	07	13	128	AA-136	07	08	15
121	AA-121	06	09	15	129	AA-137	06	07	13
122	AA-122	08	06	14	130	AA-138	06	09	15
123	AA-123	06	09	15	131	AA-139	08	06	14
124	AA-124	06	09	15	132	AA-140	06	09	15

  
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Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-I

SEMESTER MISTER: I

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Class: **B.Sc.I**      Subject: **Chemistry**      Paper No.: **II**      Marks: **10**  
Date: **18/09/2018**      Name of the Paper: **Organic Chemistry**      Time: **1.20 to 2.00**

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Note: All questions are compulsory.

**Q.1. a) Explain any two methods of formation of carbanions and carbocations each.**

**b) Explain optical isomerism and geometrical isomerism with suitable examples.**

**10 marks**

**OR**

**Q.1. a) Explain Inductive effect and steric effect with example.**

**b) Describe Homolytic Fission and Heterolytic fission in detailed..**

**10 marks**

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2018-19



Shikshan Prasarak Mandal's  
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Taluka- Tuljapur, Dist: Osmanabad

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Internal Evaluation Cell

TUTORIAL-I

SEMESTER MISTER: I

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Class: **B.Sc.I**

Subject: **Chemistry**

Paper No.: **II**

Marks: **10**

---

Name of the Paper: **Organic Chemistry**

---

Note: All questions are compulsory

**Q.1. a) Describe Homolytic Fission and Heterolytic fission in detailed.**

**b) Write note on addition reaction.**

10 marks

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INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Date- 18/09/18

Department of Chemistry

Presenty Report of Test/Tutorial

Class: Bsc-I, Semester: I, Name of Paper: organic chemistry  
Paper No. : II, Marks = 10, Dr. A.M. Pachpimle

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA 01	P	26	AA 26	P	51	AA 51	A	76	AA 76	P
2	02	P	27	27	P	52	52	P	77	77	P
3	3	P	28	28	P	53	53	P	78	78	P
4	4	P	29	29	P	54	54	P	79	79	P
5	5	P	30	30	P	55	55	P	80	80	A
6	6	P	31	31	P	56	56	P	81	81	P
7	7	P	32	32	P	57	57	P	82	82	A
8	8	A	33	33	P	58	58	P	83	83	P
9	9	P	34	34	P	59	59	P	84	84	P
10	10	P	35	35	P	60	60	P	85	85	A
11	11	A	36	36	P	61	61	P	86	86	P
12	12	P	37	37	P	62	62	P	87	87	P
13	13	A	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	P	40	40	P	65	65	P	90	90	P
16	16	P	41	41	P	66	66	A	91	91	P
17	17	P	42	42	P	67	67	A	92	92	P
18	18	A	43	43	P	68	68	P	93	93	P
19	19	P	44	44	P	69	69	P	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	P	73	73	P	98	98	P
24	24	P	49	49	P	74	74	P	99	99	P
25	25	P	50	50	P	75	75	A	100	100	A

Number of student present- 31      Number of students absent- 0      Total students 31  
Principal  
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**Shikshan Prasarak Mandal, Anadur's  
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Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

**Internal Evaluation 2018-2019**

**Date- 18/09/2018**

**Department of Chemistry**

**Presenty Report of Test/Tutorial**

Class: B.Sc-I, Semester: I, Name of Paper: organic chemistry

Paper No. : II Marks : 10, Dr A.M. Pachphode

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA161	A	26	AA26	P	51			76		
2	2	P	27	27	P	52			77		
3	3	P	28	28	P	53			78		
4	4	P	29	29	P	54			79		
5	5	P	30	30	P	55			80		
6	6	P	31	31	P	56			81		
7	7	P	32	32	P	57			82		
8	8	P	33			58			83		
9	9	P	34			59			84		
10	10	P	35			60			85		
11	11	P	36			61			86		
12	12	P	37			62			87		
13	13	P	38			63			88		
14	14	P	39			64			89		
15	15	P	40			65			90		
16	16	P	41			66			91		
17	17	P	42			67			92		
18	18	P	43			68			93		
19	19	P	44			69			94		
20	20	P	45			70			95		
21	21	P	46			71			96		
22	22	P	47			72			97		
23	23	P	48			73			98		
24	24	P	49			74			99		
25	25	P	50			75			100		

Number of student present- 31  
= 120

Number of students absent- 2  
= 12

Total students 33  
= 132

*[Signature]*  
**Principal**



Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-18/09/2018

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-I**

Semester: I

Time: 50 min

Name of Paper: **Organic Chemistry,**

Paper No.: II

Marks 10

Name of Invigilator: Dr. A.M.Pachpinde

Roll number of present Students	Roll number of absent Students	Total
AA-01, AA-02, AA-03, AA-04, AA-05, AA-06, AA-07, AA-09, AA-10, AA-12, AA-14, AA-15, AA-16, AA-17, AA-18, AA-19, AA-20, AA-21, AA-22, AA-23, AA-24, AA-25, AA-26, AA-27,  AA-28, AA-29, AA-30, AA-31, AA-32, AA-33, AA-34, AA-35, AA-36, AA-37, AA-38, AA-39, AA-40, AA-41, AA-42, AA-43, AA-44, AA-45, AA-46, AA-47, AA-48, AA-49, AA-50, AA-52,  AA-53, AA-54, AA-55, AA-56, AA-57, AA-58, AA-59, AA-60, AA-61, AA-62, AA-63, AA-64, AA-65, AA-68, AA-69, AA-70, AA-71, AA-72, AA-73, AA-74, AA-76, AA-77, AA-78, AA-79,  AA-81, AA-83, AA-84, AA-86, AA-87, AA-88, AA-89, AA-90, AA-91, AA-92, AA-93, AA-94, AA-95, AA-96, AA-97, AA-98, AA-99, AA-102, AA-103, AA-104, AA-105, AA-106, AA-107,  AA-108, AA-109, AA-110, AA-111, AA-112, AA-113, AA-114, AA-115, AA-116, AA-117, AA-118, AA-119, AA-120, AA-121, AA-122, AA-123, AA-124, AA-125, AA-126, AA-127,  AA-128, AA-129, AA-130, AA-131, AA-132	AA-08, AA-11, AA-13, AA-51, AA-66, AA-67, AA-75, AA-80, AA-82, AA-85, AA-100, AA-101	132
Total present Students =120	Total absent Students =12	

Signature of Invigilator

Coordinator of Internal evaluation cell

Signature of Principal

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad

**Co-Ordinator**  
**Internal Evaluation Cell**  
**Jawahar Arts, Science & Commerce College,**  
**Anadur, Tq.- Tuljapur, Dist.- Osmanabad.**





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation-2018 -2019

Department of Chemistry

Name of Teacher:

Class: B.Sc-I

Semester: I

Name of Paper: Organic Chemistry

Paper No. : II

Marks: Test-10,

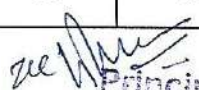
Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll No	Test	Tutorial	Total
1	AA-01	06	09	15	26	AA-26	06	09	15
2	AA-02	08	06	14	27	AA-27	08	06	14
3	AA-03	07	08	15	28	AA-28	07	08	15
4	AA-04	06	07	13	29	AA-29	06	07	13
5	AA-05	06	09	15	30	AA-30	06	09	15
6	AA-06	06	09	15	31	AA-31	06	09	15
7	AA-07	08	06	14	32	AA-32	08	06	14
8	AA-08	Absent	08	08	33	AA-33	07	08	15
9	AA-09	06	07	13	34	AA-34	06	07	13
10	AA-10	06	09	15	35	AA-35	06	Absent	06
11	AA-11	Absent	06	06	36	AA-36	08	06	14
12	AA-12	07	08	15	37	AA-37	07	08	15
13	AA-13	Absent	09	09	38	AA-38	06	09	15
14	AA-14	08	06	14	39	AA-39	08	06	14
15	AA-15	07	08	15	40	AA-40	07	08	15
16	AA-16	06	07	13	41	AA-41	06	07	13
17	AA-17	06	09	15	42	AA-42	06	09	15
18	AA-18	08	Absent	08	43	AA-43	08	06	14
19	AA-19	07	08	15	44	AA-44	07	08	15
20	AA-20	06	07	13	45	AA-45	06	07	13
21	AA-21	06	09	15	46	AA-46	06	09	15
22	AA-22	06	09	15	47	AA-47	06	09	15
23	AA-23	08	06	14	48	AA-48	08	06	14
24	AA-24	07	08	15	49	AA-49	07	08	15
25	AA-25	06	07	13	50	AA-50	06	07	13

Principal

Sr. No.	Roll. No	06	09	Total	Sr. No.	Roll. No	06	09	Total
51	AA-51	Absent	06	06	84	AA-84	08	06	14
52	AA-52	06	09	15	85	AA-85	Absent	09	09
53	AA-53	08	06	14	86	AA-86	08	06	14
54	AA-54	07	08	15	87	AA-87	07	08	15
55	AA-55	06	07	13	88	AA-88	06	07	13
56	AA-56	06	09	15	89	AA-89	06	09	15
57	AA-57	08	06	14	90	AA-90	08	06	14
58	AA-58	07	08	15	91	AA-91	07	08	15
59	AA-59	06	07	13	92	AA-92	06	07	13
60	AA-60	06	09	15	93	AA-93	06	09	15
61	AA-61	06	09	15	94	AA-94	06	09	15
62	AA-62	08	06	14	95	AA-95	08	06	14
63	AA-63	07	08	15	96	AA-96	07	08	15
64	AA-64	06	07	13	97	AA-97	06	07	13
65	AA-65	06	09	15	98	AA-98	06	09	15
66	AA-66	Absent	06	06	99	AA-99	08	06	14
67	AA-67	Absent	09	09	100	AA-100	Absent	09	09
68	AA-68	08	06	14	101	AA-101	Absent	06	06
69	AA-69	Absent	08	08	102	AA-102	07	08	15
70	AA-70	06	07	13	103	AA-103	06	07	13
71	AA-71	06	09	15	104	AA-104	06	09	15
72	AA-72	08	06	14	105	AA-105	08	06	14
73	AA-73	07	08	15	106	AA-106	07	08	15
74	AA-74	06	07	13	107	AA-107	06	07	13
75	AA-75	Absent	09	09	108	AA-108	06	09	15
76	AA-76	06	09	15	109	AA-109	06	09	15
77	AA-77	08	06	14	110	AA-110	08	06	14
78	AA-78	07	08	15	111	AA-111	07	08	15
79	AA-79	06	07	13	112	AA-112	06	07	13
80	AA-80	Absent	09	09	113	AA-113	06	09	15
81	AA-81	08	06	14	114	AA-114	08	06	14
82	AA-82	Absent	07	07	115	AA-115	06	07	13
83	AA-83	06	09	15	116	AA-116	06	09	15

  
Principal  
Jawahar Arts. Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.

Sr. No.	Roll. No	06	09	Total	Sr. No.	Roll. No	06	09	Total
117	AA-117	08	06	14	133	AA-133	08	06	14
118	AA-118	07	08	15	134	AA-134	07	08	15
119	AA-119	06	07	13	135	AA-135	06	07	13
120	AA-120	06	09	15	136	AA-136	06	09	15
121	AA-121	08	06	14	137	AA-137	08	06	14
122	AA-122	06	09	15	138	AA-138	06	09	15
123	AA-123	08	06	14	139	AA-139	08	06	14
124	AA-124	07	08	15	140	AA-140	07	08	15
125	AA-125	06	07	13	141	AA-141	06	07	13
126	AA-126	06	09	15	142	AA-142	06	09	15
127	AA-127	08	06	14	143	AA-143	08	06	14
128	AA-128	06	09	15	144	AA-144	06	09	15
129	AA-129	08	06	14	145	AA-145	08	06	14
130	AA-130	07	08	15	146	AA-146	07	08	15
131	AA-131	06	07	13	147	AA-147	06	07	13
132	AA-132	06	09	15					

  
**Principal**  
 Jawahar Arts, Science & Commerce College  
 Anadur Tal. Tuljapur, Dist. Osmanabad





Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-I

SEMESTER MISTER: III

Class: **B.Sc.II** Subject: **Chemistry** Paper No.: **VII** Marks: **10**

Date: **18/09/2018** Name of the Paper: **Organic Chemistry** Time: **11.40 to 12.20**

Note: All questions are compulsory.

**Q.1.** How will you prepare

- 1) Acetaldehyde from Acetyl chloride.
- 2) Benzaldehyde from benzene.
- 3) Acetone from Acetic acid
- 4) Ethyl methyl ketone from Acetonitrile.

**10 marks**

Or

**Q.1.** 1) Explain Baeyer – villager oxidation of Ketones with mechanism.

2) Explain decarboxylation of Carboxylic acid with mechanism.

**10 marks**

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad

2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-I

SEMESTER MISTER: III

Class: **B.Sc.II**      Subject: **Chemistry**      Paper No.: **VII**      Marks: **10**

Name of the Paper: **Organic Chemistry**

Note: All questions are compulsory

- Q.1.** 1) Explain Diazotization reaction of amine.  
2) Explain Nitration of benzene in acidic medium..

**10 marks**

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad



Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Date- 18/09/2018

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc- II, Semester: III, Name of Paper: organic chemistry  
Paper No. : VII, Marks = 10, Dr. A. m. pachpande

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA-01	P	26	AA-26	P	51	AA-51	P	76	AA-76	P
2	2	P	27	27	P	52	52	A	77	77	P
3	3	P	28	28	P	53	53	P	78	78	P
4	4	P	29	29	A	54	54	P	79	79	P
5	5	P	30	30	A	55	55	P	80	80	P
6	6	P	31	31	P	56	56	P	81	81	P
7	7	A	32	32	P	57	57	P	82	82	P
8	8	P	33	33	P	58	58	P	83	83	P
9	9	A	34	34	P	59	59	P	84	84	P
10	10	P	35	35	A	60	60	P	85	85	A
11	11	P	36	36	P	61	61	P	86	86	P
12	12	P	37	37	P	62	62	A	87	87	P
13	13	P	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	A	40	40	P	65	65	P	90	90	P
16	16	P	41	41	P	66	66	P	91	91	P
17	17	P	42	42	P	67	67	P	92	92	P
18	18	P	43	43	P	68	68	P	93	93	P
19	19	A	44	44	P	69	69	P	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	P	73	73	P	98	98	P
24	24	P	49	49	P	74	74	P	99	99	P
25	25	A	50	50	A	75	75	P	100	100	P

Number of student present- 3

Number of students absent-

Total students

Principal

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Date- 18/09/2018

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc - II, Semester: III, Name of Paper: organic chemistry,  
Paper No. : VII, Marks :10, Dr. A.M. Pachinde

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA107	P	26			51			76		
2	2	P	27			52			77		
3	3	P	28			53			78		
4	4	P	29			54			79		
5	5	P	30			55			80		
6	6	P	31			56			81		
7	7	P	32			57			82		
8	8	P	33			58			83		
9	9	P	34			59			84		
10	10	P	35			60			85		
11	11	P	36			61			86		
12	12	P	37			62			87		
13	13	P	38			63			88		
14	14	P	39			64			89		
15	15	P	40			65			90		
16	16	P	41			66			91		
17	17	P	42			67			92		
18	AA118	P	43			68			93		
19			44			69			94		
20			45			70			95		
21			46			71			96		
22			47			72			97		
23			48			73			98		
24			49			74			99		
25			50			75			100		

Number of student present-

= 106

Number of students absent-

= 12

Total students-

= 118

Principal

Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad.



Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-18/09/2018

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-II**

Semester: **III**

Time: **50 min**

Name of Paper: **Organic Chemistry,**

Paper No.: **VII**

Marks **10**

Name of Invigilator: **Dr. A.M.Pachpinde**

Roll number of present Students	Roll number of absent Students	Total
AB-01, AB-02, AB-03, AB-04, AB-05, AB-06, AB-08, AB-10, AB-11, AB-12, AB-13, AB-14, AB-16, AB-17, AB-18, AB-20, AB-21, AB-22, AB-23, AB-24, AB-26, AB-27, AB-28, AB-31,  AB-32, AB-33, AB-34, AB-36, AB-37, AB-38, AB-39, AB-40, AB-41, AB-42, AB-43, AB-44, AB-45, AB-46, AB-47, AB-48, AB-49, AB-51, AB-53, AB-54, AB-55, AB-56, AB-57, AB-58,  AB-59, AB-60, AB-61, AB-63, AB-64, AB-66, AB-67, AB-68, AB-69, AB-70, AB-71, AB-72, AB-73, AB-74, AB-75, AB-76, AB-77, AB-78, AB-79, AB-80, AB-81, AB-82, AB-83, AB-84,  AB-86, AB-87, AB-88, AB-89, AB-90, AB-91, AB-92, AB-93, AB-94, AB-95, AB-96, AB-97, AB-98, AB-99, AB-100, AB-101, AB-102, AB-103, AB-104, AB-105, AB-106, AB-107,  AB-108, AB-109, AB-110, AB-111, AB-112, AB-113, AB-114, AB-115, AB-116, AB-117, AB-118, AB-119, AB-120	AB-07, AB-09, AB-15, AB-19, AB-25, AB-29, AB-30, AB-35, AB-50, AB-52, AB-62, AB-85,	118
Total present Students =106	Total absent Students =12	

  
Signature of Invigilator

  
Coordinator of Internal evaluation cell  
**Co-ordinator**

  
Signature of Principal

**Internal Evaluation Cell**  
Jawahar Arts, Science & Commerce College  
Anadur, Tq. Tuljapur, Dist. Osmanabad  
Anadur, Tq.- Tuljapur, Dist.- Osmanabad.





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher:

Class: B.Sc-II

Semester: III

Name of Paper: Organic Chemistry

Paper No. : VII

Marks: Test-10,

Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AB-01	07	08	15	26	AB-26	07	08	15
2	AB-02	06	07	13	27	AB-27	06	07	13
3	AB-03	06	09	15	28	AB-28	06	09	15
4	AB-04	08	06	14	29	AB-29	Absent	06	06
5	AB-05	07	08	15	30	AB-30	Absent	08	08
6	AB-06	06	07	13	31	AB-31	06	07	13
7	AB-07	Absent	09	09	32	AB-32	06	09	15
8	AB-08	06	09	15	33	AB-33	06	09	15
9	AB-09	Absent	06	06	34	AB-34	08	06	14
10	AB-10	07	08	15	35	AB-35	Absent	08	08
11	AB-11	06	07	13	36	AB-36	06	07	13
12	AB-12	06	09	15	37	AB-37	06	09	15
13	AB-13	08	06	14	38	AB-38	08	06	14
14	AB-14	06	07	13	39	AB-39	06	07	13
15	AB-15	Absent	06	06	40	AB-40	08	06	14
16	AB-16	07	08	15	41	AB-41	07	08	15
17	AB-17	06	07	13	42	AB-42	06	07	13
18	AB-18	06	09	15	43	AB-43	06	09	15
19	AB-19	Absent	06	06	44	AB-44	08	06	14
20	AB-20	07	08	15	45	AB-45	07	08	15
21	AB-21	07	08	15	46	AB-46	07	08	15
22	AB-22	06	07	13	47	AB-47	06	Absent	06
23	AB-23	06	09	15	48	AB-48	06	Absent	06
24	AB-24	08	06	14	49	AB-49	08	06	14
25	AB-25	Absent	08	08	50	AB-50	Absent	08	08

*Principal*  
Principal

Sr. No.	Roll. No	06	07	Total	Sr. No.	Roll. No	06	07	Total
51	AB-51	06	09	15	84	AB-84	06	09	15
52	AB-52	Absent	09	09	85	AB-85	Absent	09	09
53	AB-53	08	06	14	86	AB-86	08	06	14
54	AB-54	07	08	15	87	AB-87	07	08	15
55	AB-55	06	07	13	88	AB-88	06	07	13
56	AB-56	06	09	15	89	AB-89	06	09	15
57	AB-57	08	06	14	90	AB-90	08	06	14
58	AB-58	06	07	13	91	AB-91	06	07	13
59	AB-59	08	06	14	92	AB-92	08	06	14
60	AB-60	07	08	15	93	AB-93	07	08	15
61	AB-61	06	07	13	94	AB-94	06	07	13
62	AB-62	Absent	09	09	95	AB-95	06	09	15
63	AB-63	08	06	14	96	AB-96	08	06	14
64	AB-64	07	08	15	97	AB-97	07	08	15
65	AB-65	07	08	15	98	AB-98	07	08	15
66	AB-66	06	07	13	99	AB-99	06	07	13
67	AB-67	06	09	15	100	AB-100	06	09	15
68	AB-68	08	06	14	101	AB-101	08	06	14
69	AB-69	07	08	15	102	AB-102	07	08	15
70	AB-70	06	07	13	103	AB-103	06	07	13
71	AB-71	06	09	15	104	AB-104	06	09	15
72	AB-72	06	09	15	105	AB-105	06	09	15
73	AB-73	08	06	14	106	AB-106	08	06	14
74	AB-74	07	08	15	107	AB-107	07	08	15
75	AB-75	06	07	13	108	AB-108	06	07	13
76	AB-76	06	09	15	109	AB-109	06	09	15
77	AB-77	08	06	14	110	AB-110	08	06	14
78	AB-78	06	07	13	111	AB-111	06	07	13
79	AB-79	08	06	14	112	AB-112	08	06	14
80	AB-80	07	08	15	113	AB-113	07	08	15
81	AB-81	06	07	13	114	AB-114	06	07	13
82	AB-82	06	09	15	115	AB-115	06	09	15
83	AB-83	08	06	14	116	AB-116	08	06	14

  
Principal

Sr. No.	Roll. No	07	08	Total	Sr. No.	Roll. No	07	08	Total
117	AB-117	08	06	14	119	AB-119	08	06	14
118	AB-118	07	08	15	120	AB-120	07	08	15

  
**Principal**  
 Jawahar Arts, Sci-      College  
 Adur Te'      Anandabad.





Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-I

SEMESTER MISTER: III

Class: B.Sc.II

Subject: Chemistry

Paper No.: VIII

Marks: 10

Date: 18/09/2018

Name of the Paper: Physical Chemistry

Time: 12.30 to 1.10

Note: All questions are compulsory.

**Q.1. What do you understand by molar heat capacity at constant pressure and constant volume? An engine operating between and takes 500 J heat from a high temperature reservoir. Assuming that there is no frictional loss, Calculate the work that can be done by this engine.**

10 marks

Or

**Q.1. Explain entropy in an ideal gas when pressure and temperature are independent variables. Two models of an ideal gas undergo isothermal reversible expansion from 15 liter to 30 liter at 300 K. Calculate the work done and change in entropy. (Given  $R = 2 \text{ cal/deg/mole}$ )**

10 marks

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad

2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-I

SEMESTER MISTER: III

Class: **B.Sc.II** Subject: **Chemistry** Paper No.: **VIII** Marks: **10**

Name of the Paper: **Physical Chemistry**

Note: All questions are compulsory.

**Q.1. Write short notes on any two of the following.**

**10 marks**

- Thermodynamic processes**
- Reversible and irreversible processes**

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad



Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Date- 18/09/2018

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-II, Semester: III, Name of Paper: Physical Chemistry

Paper No. : VIII

Marks = 10, Dr. D. N. Gaharwar

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AB-01	P	26	26	P	51	51	P	76	76	P
2	02	P	27	27	P	52	52	A	77	77	P
3	03	P	28	28	P	53	53	P	78	78	P
4	04	P	29	29	A	54	54	P	79	79	P
5	05	P	30	30	A	55	55	P	80	80	P
6	06	P	31	31	P	56	56	P	81	81	P
7	07	A	32	32	P	57	57	P	82	82	P
8	08	P	33	33	P	58	58	P	83	83	P
9	09	A	34	34	P	59	59	P	84	84	P
10	10	P	35	35	A	60	60	P	85	85	A
11	11	P	36	36	P	61	61	P	86	86	P
12	12	P	37	37	P	62	62	A	87	87	P
13	13	P	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	A	40	40	P	65	65	P	90	90	P
16	16	P	41	41	P	66	66	P	91	91	P
17	17	P	42	42	P	67	67	P	92	92	P
18	18	P	43	43	P	68	68	P	93	93	P
19	19	A	44	44	P	69	69	P	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	P	73	73	P	98	98	P
24	24	P	49	49	P	74	74	P	99	99	P
25	25	A	50	50	A	75	75	P	100	100	P

Principal

Number of student present-

Number of students absent-

Total student

Jawahar Arts, Science & Commerce College  
Anadur, Tq. Tuljapur, Dist. Osmanabad.





**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

**Internal Evaluation 2018-2019**

**Date- 18/09/2018**

Department of Chemistry

**Presenty Report of Test/Tutorial**

Class: B.Sc-II, Semester: III, Name of Paper: Physical Chemistry,  
Paper No. : VIII Marks = 10, Dr. D.N. Gahwar

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
101	AA-101	P	26			51			76		
102	102	P	27			52			77		
103	103	P	28			53			78		
104	104	P	29			54			79		
105	105	P	30			55			80		
106	106	P	31			56			81		
107	107	P	32			57			82		
108	108	P	33			58			83		
109	109	P	34			59			84		
110	110	P	35			60			85		
111	111	P	36			61			86		
112	112	P	37			62			87		
113	113	P	38			63			88		
114	114	P	39			64			89		
115	115	P	40			65			90		
116	116	P	41			66			91		
117	117	P	42			67			92		
118	118	P	43			68			93		
119			44			69			94		
120			45			70			95		
121			46			71			96		
122			47			72			97		
123			48			73			98		
124			49			74			99		
125			50			75			100		

Number of student present-

= 106

Number of students absent-

= 12

Total students

= 118

**Principal**

Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad.



Shikshan Prasarak Mandal, Anadur's -

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-18/09/2018

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-II**

Semester: III

Time: 50 min

Name of Paper: Physical Chemistry

Paper No.: VIII

Marks 10

Name of Invigilator: Dr. D. N. Gatlwar

Roll number of present Students	Roll number of absent Students	Total
AB-01, AB-02, AB-03, AB-04, AB-05, AB-06, AB-08, AB-10, AB-11, AB-12, AB-13, AB-14, AB-16, AB-17, AB-18, AB-20, AB-21, AB-22, AB-23, AB-24, AB-26, AB-27, AB-28, AB-31,  AB-32, AB-33, AB-34, AB-36, AB-37, AB-38, AB-39, AB-40, AB-41, AB-42, AB-43, AB-44, AB-45, AB-46, AB-47, AB-48, AB-49, AB-51, AB-53, AB-54, AB-55, AB-56, AB-57, AB-58,  AB-59, AB-60, AB-61, AB-63, AB-64, AB-65, AB-66, AB-67, AB-68, AB-69, AB-70, AB-71, AB-72, AB-73, AB-74, AB-75, AB-76, AB-77, AB-78, AB-79, AB-80, AB-81, AB-82, AB-83,  AB-84, AB-86, AB-87, AB-88, AB-89, AB-90, AB-91, AB-92, AB-93, AB-94, AB-95, AB-96, AB-97, AB-98, AB-99, AB-100, AB-101, AB-102, AB-103, AB-104, AB-105, AB-106, AB-107,  AB-108, AB-109, AB-110, AB-111, AB-112, AB-113, AB-114, AB-115, AB-116, AB-117, AB-118, AB-119, AB-120	AB-07, AB-09, AB-15, AB-19, AB-25, AB-29, AB-30, AB-35, AB-50, AB-52, AB-62, AB-85,	118
Total present Students =106	Total absent Students -12	

Signature of Invigilator

Coordinator of Internal evaluation cell

Signature of Principal

**Co-Ordinator  
Internal Evaluation Cell  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq.- Tuljapur, Dist.- Osmanabad.**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad





**Shikshan Prasarak Mandal, Anadur's**  
**Jawahar Arts, Science & Commerce College,**  
**Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**  
**INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Department of Chemistry

Name of Teacher: Dr. Dhananjay Narendra Gatlewar

Class: B.Sc-II

Semester: ~~VIII~~ III

Name of Paper: Physical Chemistry

Paper No. : VIII

Marks: Test-10,

Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AB-01	08	06	14	26	AB-26	06	07	13
2	AB-02	07	08	15	27	AB-27	06	09	15
3	AB-03	06	07	13	28	AB-28	08	06	14
4	AB-04	06	09	15	29	AB-29	Absent	08	15
5	AB-05	08	06	14	30	AB-30	Absent	08	15
6	AB-06	07	08	15	31	AB-31	06	07	13
7	AB-07	Absent	08	15	32	AB-32	06	09	15
8	AB-08	06	07	13	33	AB-33	08	06	14
9	AB-09	Absent	09	15	34	AB-34	07	08	15
10	AB-10	08	06	14	35	AB-35	Absent	07	13
11	AB-11	07	08	15	36	AB-36	06	09	15
12	AB-12	06	07	13	37	AB-37	06	09	15
13	AB-13	06	09	15	38	AB-38	08	06	14
14	AB-14	06	09	15	39	AB-39	07	08	15
15	AB-15	Absent	06	14	40	AB-40	06	07	13
16	AB-16	07	08	15	41	AB-41	06	09	15
17	AB-17	06	07	13	42	AB-42	08	06	14
18	AB-18	06	09	15	43	AB-43	06	07	13
19	AB-19	Absent	06	14	44	AB-44	08	06	14
20	AB-20	06	07	13	45	AB-45	07	08	15
21	AB-21	08	06	14	46	AB-46	06	07	13
22	AB-22	07	08	15	47	AB-47	06	Absent	15
23	AB-23	06	07	13	48	AB-48	08	Absent	14
24	AB-24	06	09	15	49	AB-49	07	08	15
25	AB-25	Absent	06	14	50	AB-50	Absent	08	15

*[Signature]*  
Principal



Sr. No.	Roll. No	07	08	Total	Sr. No.	Roll. No	06	07	Total
51	AB-51	07	08	15	84	AB-84	06	09	15
52	AB-52	Absent	07	13	85	AB-85	Absent	06	14
53	AB-53	06	09	15	86	AB-86	07	08	15
54	AB-54	08	06	14	87	AB-87	06	07	13
55	AB-55	07	08	15	88	AB-88	06	09	15
56	AB-56	06	07	13	89	AB-89	06	09	15
57	AB-57	06	09	15	90	AB-90	08	06	14
58	AB-58	06	09	15	91	AB-91	07	08	15
59	AB-59	08	06	14	92	AB-92	06	07	13
60	AB-60	07	08	15	93	AB-93	06	09	15
61	AB-61	06	07	13	94	AB-94	08	06	14
62	AB-62	Absent	09	15	95	AB-95	06	07	13
63	AB-63	08	06	14	96	AB-96	08	06	14
64	AB-64	06	07	13	97	AB-97	07	08	15
65	AB-65	08	06	14	98	AB-98	06	07	13
66	AB-66	07	08	15	99	AB-99	06	09	15
67	AB-67	06	07	13	100	AB-100	08	06	14
68	AB-68	06	09	15	101	AB-101	07	08	15
69	AB-69	08	06	14	102	AB-102	07	08	15
70	AB-70	07	08	15	103	AB-103	06	07	13
71	AB-71	07	08	15	104	AB-104	06	09	15
72	AB-72	06	07	13	105	AB-105	08	06	14
73	AB-73	06	09	15	106	AB-106	07	08	15
74	AB-74	08	06	14	107	AB-107	06	07	13
75	AB-75	07	08	15	108	AB-108	06	09	15
76	AB-76	06	07	13	109	AB-109	06	09	15
77	AB-77	06	09	15	110	AB-110	08	06	14
78	AB-78	06	09	15	111	AB-111	07	08	15
79	AB-79	08	06	14	112	AB-112	06	07	13
80	AB-80	07	08	15	113	AB-113	06	09	15
81	AB-81	06	07	13	114	AB-114	08	06	14
82	AB-82	06	09	15	115	AB-115	06	07	13
83	AB-83	08	06	14	116	AB-116	08	06	14

*[Signature]*  
Principal

Sr. No.	Roll. No	06	07	Total	Sr. No.	Roll. No	07	08	Total
117	AB-117	08	06	14	118	AB-118	08	06	14

  
**Principal**

Jawahar Arts, Science & Commerce Collage  
Anadur, Tal. Tuljapur, Dist. Osmanabad



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-I

SEMESTER MISTER: V

Class: **B.Sc.III** Subject: **Chemistry** Paper No.: **XIII** Marks: **10**

Date: 19/09/2018 Name of the Paper: **Physical Chemistry** Time: **11.40 to 12.20**

Note: All questions are compulsory.

**Q.1. Explain the black body radiation with suitable sketch** **10 marks**


Or

**Q.1. Write short notes on**

a) Debroglies hypothesis **05 marks**

b) Determination of bond length **05 marks**

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**Principal**  
Jawahar Arts, Science & Commerce College  
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2018-19



Shikshan Prasarak Mandal's -  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-I

SEMISTER MISTER: V

Class: **B.Sc.III**      Subject: **Chemistry**      Paper No.: **XIII**      Marks: **10**

Name of the Paper: **Physical Chemistry**

Note: All questions are compulsory.

**Q.1. Write note on**

- a) Heisenberg's uncertainty Principle
- b) Crompton effect

**05 marks**

**05 marks**

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad



**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Date- 19/02/2018

Department of Chemistry

**Presenty Report of Test/Tutorial**

Class: B.Sc-II, Semester: V, Name of Paper: Physical Chemistry,  
Paper No. : XII, Marks=10, Dr. D.N. Gattad

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AB-01	P	26	26	P	51	51	P	76	76	P
2	02	P	27	27	P	52	52	P	77	77	P
3	03	P	28	28	P	53	53	P	78	78	P
4	04	P	29	29	P	54	54	P	79	79	P
5	05	P	30	30	P	55	55	P	80	80	A
6	06	A	31	31	P	56	56	P	81	81	P
7	07	P	32	32	P	57	57	P	82	82	P
8	08	P	33	33	P	58	58	P	83	83	P
9	09	P	34	34	P	59	59	P	84	84	P
10	10	P	35	35	P	60	60	P	85	85	P
11	11	P	36	36	P	61	61	P	86	86	P
12	12	P	37	37	P	62	62	P	87	87	P
13	13	P	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	P	40	40	P	65	65	P	90	90	P
16	16	A	41	41	P	66	66	P	91	91	P
17	17	P	42	42	P	67	67	P	92	92	P
18	18	P	43	43	P	68	68	P	93	93	P
19	19	P	44	44	P	69	69	P	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	A	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	A	48	48	P	73	73	P	98	98	P
24	24	P	49	49	P	74	74	P	99	99	P
25	25	P	50	50	A	75	75	P	100	100	P

*(Signature)*  
**Principal**

Number of student present-

= 94

Number of students absent-

= 06

Total student **Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad.**

= 100





Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-19/09/2018

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: B.Sc.-II

Semester: V

Time: 50 min


Name of Paper: Physical Chemistry,

Paper No.: XIII

Marks 10

Name of Invigilator: Dr. D. N. Gatlewar

Roll number of present Students	Roll number of absent Students	Total
AC-01, AC-02, AC-03, AC-04, AC-05, AC-07, AC-08, AC-09, AC-10, AC-11, AC-12, AC-13, AC-14, AC-15, AC-17, AC-18, AC-19, AC-20, AC-21, AC-22, AC-24, AC-25, AC-26, AC-27,  AC-28, AC-29, AC-30, AC-31, AC-32, AC-33, AC-34, AC-35, AC-36, AC-37, AC-38, AC-39, AC-40, AC-41, AC-42, AC-43, AC-44, AC-45, AC-46, AC-47, AC-48, AC-49, AC-51, C-52,  AC-53, AC-54, AC-55, AC-56, AC-57, AC-58, AC-59, AC-60, AC-61, AC-62, AC-63, AC-64, AC-65, AC-66, AC-67, AC-68, AC-69, AC-70, AC-72, AC-73, AC-74, AC-75, AC-76, AC-77, ,  AC-78, AC-79, AC-81, AC-82, AC-83, AC-84, AC-85, AC-86, AC-87, AC-88, AC-89, AC-90, AC-91, AC-92, AC-93, AC-94, AC-95, AC-96, AC-97, AC-98, AC-99, AC-100,	AC-06, AC-16, AC-23, AC-50, AC-71, AC-80,	100
Total present Students =94	Total absent Students =06	

  
Signature of Invigilator

  
Coordinator of Internal evaluation cell  
**Co-Ordinator**

**Internal Evaluation Cell**  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq.- Tuljapur, Dist.- Osmanabad,

  
Principal  
Signature of Principal  
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603  
INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher: Dr. Dhananjay Narendra Gatlewar

Class: B.Sc-III

Semester: V

Name of Paper: Physical Chemistry

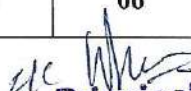
Paper No. : XIII

Marks: Test-10,


Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AC-01	06	07	13	26	AC-26	06	07	13
2	AC-02	06	09	15	27	AC-27	06	09	15
3	AC-03	08	06	14	28	AC-28	08	06	14
4	AC-04	06	07	13	29	AC-29	06	07	13
5	AC-05	08	06	14	30	AC-30	08	06	14
6	AC-06	07	08	15	31	AC-31	07	08	15
7	AC-07	06	07	13	32	AC-32	06	07	13
8	AC-08	06	09	15	33	AC-33	06	09	15
9	AC-09	08	06	14	34	AC-34	08	06	14
10	AC-10	07	08	15	35	AC-35	07	08	15
11	AC-11	07	08	15	36	AC-36	07	08	15
12	AC-12	06	07	13	37	AC-37	06	07	13
13	AC-13	06	09	15	38	AC-38	06	09	15
14	AC-14	08	06	14	39	AC-39	08	06	14
15	AC-15	07	08	15	40	AC-40	07	08	15
16	AC-16	06	07	13	41	AC-41	06	07	13
17	AC-17	06	09	15	42	AC-42	06	09	15
18	AC-18	06	09	15	43	AC-43	06	09	15
19	AC-19	08	06	14	44	AC-44	08	06	14
20	AC-20	07	08	15	45	AC-45	07	08	15
21	AC-21	06	07	13	46	AC-46	06	07	13
22	AC-22	06	09	15	47	AC-47	06	09	15
23	AC-23	08	06	14	48	AC-48	08	06	14
24	AC-24	06	07	13	49	AC-49	06	07	13
25	AC-25	08	06	14	50	AC-50	08	06	14

  
Principal

Sr. No.	Roll. No	07	08	Total	Sr. No.	Roll. No	07	08	Total
51	AC-51	06	07	13	76	AC-76	06	07	13
52	AC-52	06	09	15	77	AC-77	06	09	15
53	AC-53	08	06	14	78	AC-78	08	06	14
54	AC-54	07	08	15	79	AC-79	07	08	15
55	AC-55	07	08	15	80	AC-80	07	08	15
56	AC-56	06	07	13	81	AC-81	06	07	13
57	AC-57	06	09	15	82	AC-82	06	09	15
58	AC-58	08	06	14	83	AC-83	08	06	14
59	AC-59	07	08	15	84	AC-84	07	08	15
60	AC-60	06	07	13	85	AC-85	06	07	13
61	AC-61	06	09	15	86	AC-86	06	09	15
62	AC-62	06	09	15	87	AC-87	06	09	15
63	AC-63	08	06	14	88	AC-88	08	06	14
64	AC-64	07	08	15	89	AC-89	07	08	15
65	AC-65	06	07	13	90	AC-90	06	07	13
66	AC-66	06	09	15	91	AC-91	06	09	15
67	AC-67	08	06	14	92	AC-92	08	06	14
68	AC-68	07	08	15	93	AC-93	07	08	15
69	AC-69	06	07	13	94	AC-94	06	07	13
70	AC-70	06	09	15	95	AC-95	06	09	15
71	AC-71	06	09	15	96	AC-96	06	09	15
72	AC-72	08	06	14	97	AC-97	08	06	14
73	AC-73	07	08	15	98	AC-98	07	08	15
74	AC-74	08	06	14	99	AC-99	08	06	14
75	AC-75	07	08	15	100	AC-100	07	08	15

  
**Principal**  
 Jawahar Arts, Science & Commerce College  
 Anadur, Tal. Tuljapur, Dist. Osmanabad



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-I

SEMESTER MISTER: V

Class: **B.Sc.III** Subject: **Chemistry** Paper No.: **XIV** Marks: **10**

Date: **19/09/2018** Name of the Paper: **Organic Chemistry** Time: **12.30 to 1.10**

Note: All questions are compulsory.

**Q.1. A compound having the molecular formula  $C_{10}H_{14}$  gave the following. 10 marks**

**<sup>1</sup>H NMR data:**

**i)  $\delta$  0.88 (S, 9H)**

**ii)  $\delta$  7.28 (S, 5H)**

**Assign the structural formula to the compound**

Or

**Q.1. How will you obtain glycine and barbituric acid from diethyl malonate? 10 marks**

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad



2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-I

SEMESTER MISTER: V

Class: **B.Sc.III** Subject: **Chemistry** Paper No.: **XIV** Marks: **10**

Name of the Paper: **Organic Chemistry**

Note: All questions are compulsory.

**Q.1. Write short note on**

- i) Coupling constant**
- ii) Shielding –deshielding**

**10 marks**

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**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Date- 19/02/2018

Department of \_\_\_\_\_

Presenty Report of Test/Tutorial

Class: B.Sc-II, Semester: V, Name of Paper: organic chemistry,  
Paper No. : XIV, Marks = 10, Dr. A. M. Pachpute

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AB-01	P	26	26	P	51	51	P	76	76	P
2	AB-02	P	27	27	P	52	52	P	77	77	P
3	03	P	28	28	A	53	53	P	78	78	P
4	04	P	29	29	P	54	54	P	79	79	P
5	05	P	30	30	P	55	55	P	80	80	P
6	06	P	31	31	P	56	56	A	81	81	P
7	07	A	32	32	P	57	57	P	82	82	P
8	08	P	33	33	P	58	58	P	83	83	P
9	09	P	34	34	P	59	59	P	84	84	P
10	10	P	35	35	A	60	60	P	85	85	P
11	11	P	36	36	P	61	61	P	86	86	P
12	12	P	37	37	P	62	62	P	87	87	P
13	13	P	38	38	P	63	63	A	88	88	P
14	14	A	39	39	P	64	64	P	89	89	P
15	15	P	40	40	P	65	65	P	90	90	P
16	16	P	41	41	P	66	66	P	91	91	P
17	17	P	42	42	A	67	67	P	92	92	P
18	18	P	43	43	P	68	68	P	93	93	P
19	19	P	44	44	P	69	69	P	94	94	P
20	20	P	45	45	P	70	70	A	95	95	P
21	21	A	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	P	73	73	P	98	98	P
24	24	P	49	49	A	74	74	P	99	99	P
25	25	P	50	50	P	75	75	P	100	100	P

Number of student present- 30  
= 30

Number of students absent- 10  
= 10

Total student present- 100  
= 100

*[Signature]*  
**Principal**  
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.





Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-19/09/2018

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-II**

Semester: **V**

Time: **50 min**

Name of Paper :, **Organic Chemistry**

Paper No.: **XIV**

Marks **10**

Name of Invigilator: **Dr. A, M, Pachpinde**

Roll number of present Students	Roll number of absent Students	Total
AC-01, AC-02, AC-03, AC-04, AC-05, AC-06, AC-08, AC-09, AC-10, AC-11, AC-12, AC-13, AC-15, AC-16, AC-17, AC-18, AC-19, AC-20, AC-22, AC-23, AC-24, AC-25, AC-26, AC-27,  AC-29, AC-30, AC-31, AC-32, AC-33, AC-34, AC-36, AC-37, AC-38, AC-39, AC-40, AC-41, AC-43, AC-44, AC-45, AC-46, AC-47, AC-48, AC-50, AC-51, AC-52, AC-53, AC-54, AC-55,  AC-57, AC-58, AC-59, AC-60, AC-61, AC-62, AC-64, AC-65, AC-66, AC-67, AC-68, AC-69, AC-71, AC-72, AC-73, AC-74, AC-75, AC-76, AC-77, AC-78, AC-79, AC-80, AC-81, AC-82,  AC-83, AC-84, AC-85, AC-86, AC-87, AC-88, AC-89, AC-90, AC-91, AC-92, AC-93, AC-94, AC-95, AC-96, AC-97, AC-98, AC-99, AC-100,	AC-07, AC-14, AC-21, AC-28, AC-35, AC-42, AC-49, AC-56, AC-63, AC-70,	100
Total present Students =90	Total absent Students -10	

Signature of Invigilator

Coordinator of Internal evaluation cell

Signature of Principal

**Co-Ordinator**  
**Internal Evaluation Cell**  
**Jawahar Arts, Science & Commerce College,**  
**Anadur, Tq.- Tuljapur, Dist.- Osmanabad.**

**Jawahar Arts, Science & Commerce College**  
**Anadur, Tal. Tuljapur, Dist. Osmanabad**





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher: Dr. Langade M.M.

Class: B.Sc-III

Semester: V

Name of Paper: Organic Chemistry

Paper No. : XIV

Marks: Test-10,

Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AC-01	07	08	15	26	AC-26	07	08	15
2	AC-02	06	07	13	27	AC-27	06	07	13
3	AC-03	06	09	15	28	AC-28	06	09	15
4	AC-04	08	06	14	29	AC-29	08	06	14
5	AC-05	07	08	15	30	AC-30	07	08	15
6	AC-06	06	07	13	31	AC-31	06	07	13
7	AC-07	06	09	15	32	AC-32	06	09	15
8	AC-08	06	09	15	33	AC-33	06	09	15
9	AC-09	08	06	14	34	AC-34	08	06	14
10	AC-10	07	08	15	35	AC-35	07	08	15
11	AC-11	06	07	13	36	AC-36	06	07	13
12	AC-12	06	09	15	37	AC-37	06	09	15
13	AC-13	08	06	14	38	AC-38	08	06	14
14	AC-14	06	07	13	39	AC-39	06	07	13
15	AC-15	08	06	14	40	AC-40	08	06	14
16	AC-16	07	08	15	41	AC-41	07	08	15
17	AC-17	06	07	13	42	AC-42	06	07	13
18	AC-18	06	09	15	43	AC-43	06	09	15
19	AC-19	08	06	14	44	AC-44	08	06	14
20	AC-20	07	08	15	45	AC-45	07	08	15
21	AC-21	06	07	13	46	AC-46	06	07	13
22	AC-22	06	09	15	47	AC-47	06	09	15
23	AC-23	06	09	15	48	AC-48	06	09	15
24	AC-24	08	06	14	49	AC-49	08	06	14
25	AC-25	07	08	15	50	AC-50	07	08	15

*Dr. M.M. Langade*  
Principal

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
51	AC-51	06	09	15	76	AC-76	06	09	15
52	AC-52	08	06	14	77	AC-77	08	06	14
53	AC-53	06	07	13	78	AC-78	06	07	13
54	AC-54	08	06	14	79	AC-79	08	06	14
55	AC-55	07	08	15	80	AC-80	07	08	15
56	AC-56	06	07	13	81	AC-81	06	07	13
57	AC-57	06	09	15	82	AC-82	06	09	15
58	AC-58	08	06	14	83	AC-83	08	06	14
59	AC-59	07	08	15	84	AC-84	07	08	15
60	AC-60	06	07	13	85	AC-85	06	07	13
61	AC-61	06	09	15	86	AC-86	06	09	15
62	AC-62	06	09	15	87	AC-87	06	09	15
63	AC-63	08	06	14	88	AC-88	08	06	14
64	AC-64	07	08	15	89	AC-89	07	08	15
65	AC-65	06	07	13	90	AC-90	06	07	13
66	AC-66	06	09	15	91	AC-91	06	09	15
67	AC-67	08	06	14	92	AC-92	08	06	14
68	AC-68	06	07	13	93	AC-93	06	07	13
69	AC-69	08	06	14	94	AC-94	08	06	14
70	AC-70	07	08	15	95	AC-95	07	08	15
71	AC-71	06	07	13	96	AC-96	06	07	13
72	AC-72	06	09	15	97	AC-97	06	09	15
73	AC-73	08	06	14	98	AC-98	08	06	14
74	AC-74	06	07	13	99	AC-99	06	07	13
75	AC-75	08	06	14	100	AC-100	08	06	14

  
Principal

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad



Shikshan Prasarak Mandal, Anadur's  
**Jawahar Arts, Science & Commerce College,**  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603


**Department of Chemistry**  
Under the Continuous Internal Evaluation (CIE)  
Internal Unit Test-I  
(Academic Year 2018-19)

OUTCOME REPORT OF INTERNAL EXAMINATION

The department of Chemistry has conducted internal evaluation examination in the academic year 2018-19. The Unit Test of B.Sc,I / II / III year students based on the syllabus of Sem. I / III / V. This exam is for 10 Marks.

**Conclusions:**

1. Awareness regarding preparation of University exam created amongs the students.
2. It supported to develop answer writing skill of the students.
3. Students received the direction of study in the view of University exam
4. Students got awareness regarding the importance of time and exam.

  
**Principal**  
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad





दृष्टिगंधे तिगिर जावो !

Shikshan Prasarak Mandals

# JAWAHAR ART'S, SCIENCE & COMMERCE COLLEGE, ANADUR

Tq. Tuljapur, Dist. Osmanabad - 413 603

NAAC - GRADE - B++ (CGPA 2.81)

President : Shri. B. F. Kasture

Secretary : Shri. S. N. Alure Guruji

Principal : Dr. Umakant Chanshetti (Mob.: 9420488874)  
(M.Sc., M.Phil. Ph.D.)

Ph.: (02471) 246037, 246737


Ref JMA

Date :


दि. १३.०२.२०१९

## सूचना

बी.ए./बी.एस्सी./बी.कॉम.(I,II,III) वर्षातील सर्व विद्यार्थ्यांना सूचित करण्यात येते की, अंतर्गत मूल्यमापन कार्यक्रम (२०१८-२०१९) नुसार द्वितीय घटक चाचणी दि.१५ व १६ फेब्रुवारी २०१९ रोजी घेण्यात येणार आहे.सदर घटक चाचणीचे वेळापत्रक सूचना फलकावर लावण्यात येईल याची सर्वांनी नोंद घ्यावी.

  
Co-ordinator  
Internal Cell  
Jawahar अंतर्गत मूल्यमापन समिती College,  
Anadur, Tq.- Tuljapur, Dist.- Osmanabad.

  
प्रधान,  
जवाहर कला, विज्ञान व वाणिज्य महाविद्यालय,  
अणदुर, ता. तुळजापूर, जि. उस्मानाबाद.

  
Principal

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad

**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljaur, Dist. Osmanabad -413603**

**Department of Chemistry**

Date- 16/02/2019

**UNIT TEST TIME TABLE – II.(2018-19)**

Unit Test	Date	Semester	Class	Paper	Time
II	15/02/2019	II	B.Sc.-I	IV	12.30 to 1.10
				V	1.20 to 2.10
		IV	B.Sc.-II	X	11.40 to 12.20
				XI	12.30 to 1.10
	16/02/2019	VI	B.Sc.-III	XVI	11.40 to 12.20
				XVII	12.30 to 1.10



**Principal**

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Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-II

SEMESTER MISTER: II

Class: B.Sc.I      Subject: **Chemistry**      Paper No.: **IV**      Marks: **10**

Date: 15/02/2019      Name of the Paper: **Physical Chemistry**      Time: **12.30 to 1.10**

Note: All questions are compulsory.

1. Derive rate equation for second order reaction for equal concentration of reactants & give its characteristics. 10 marks

Or

2. Explain emulsions and their types. 10 marks

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Jawahar Arts, Science & Commerce College  
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2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-II

SEMISTER MISTER: II

Class: **B.Sc.I**

Subject: **Chemistry**

Paper No.: **IV**

Marks: **10**

Name of the Paper: **Physical Chemistry**

Note: All questions are compulsory

**Q.1. Explain laws of crystallography.**

**10 marks**

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Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad



**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Date- 15/02/2019

Department of Chemistry

**Presenty Report of Test/Tutorial**

Class: B-Sc-I, Semester: II, Name of Paper: Physical Chemistry  
Paper No. : IV, Marks = 100 Dr. A. M. Pachpande

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA21	P	26	AA26	P	51	AA51	A	76	AA76	P
2	2	P	27	27	P	52	52	P	77	77	P
3	3	P	28	28	P	53	53	P	78	78	P
4	4	P	29	29	P	54	54	P	79	79	P
5	5	P	30	30	P	55	55	P	80	80	A
6	6	P	31	31	P	56	56	P	81	81	P
7	7	P	32	32	P	57	57	P	82	82	A
8	8	A	33	33	P	58	58	P	83	83	P
9	9	P	34	34	P	59	59	P	84	84	P
10	10	P	35	35	P	60	60	P	85	85	A
11	11	A	36	36	P	61	61	P	86	86	P
12	12	P	37	37	P	62	62	P	87	87	P
13	13	A	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	P	40	40	P	65	65	P	90	90	P
16	16	P	41	41	P	66	66	A	91	91	P
17	17	P	42	42	P	67	67	A	92	92	P
18	18	P	43	43	P	68	68	P	93	93	P
19	19	P	44	44	P	69	69	A	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	P	73	73	P	98	98	P
24	24	P	49	49	P	74	74	P	99	99	P
25	25	P	50	50	P	75	75	A	100	100	A

31/18

**Principal**  
*[Signature]*

Number of student present- \_\_\_\_\_ Number of students absent- \_\_\_\_\_ Total students \_\_\_\_\_  
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603  
INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

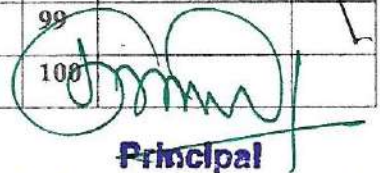
Date- 15/02/2019

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-I, Semester: II, Name of Paper: physical chemistry,  
Paper No. : IV Marks: 10, Dr. A.M. Pachpirale

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA(10)	A	26	A126	P	51			76		
2	02	P	27	127	P	52			77		
3	03	P	28	128	P	53			78		
4	04	P	29	129	P	54			79		
5	05	P	30	130	P	55			80		
6	6	P	31	131	P	56			81		
7	7	P	32	132	P	57			82		
8	8	P	33			58			83		
9	9	P	34			59			84		
10	10	P	35			60			85		
11	11	P	36			61			86		
12	12	P	37			62			87		
13	13	P	38			63			88		
14	14	P	39			64			89		
15	15	P	40			65			90		
16	16	P	41			66			91		
17	17	P	42			67			92		
18	18	P	43			68			93		
19	19	P	44			69			94		
20	20	P	45			70			95		
21	21	P	46			71			96		
22	22	P	47			72			97		
23	23	P	48			73			98		
24	24	P	49			74			99		
25	25	P	50			75			100		

  
Principal

Number of student present-

= 119

Number of students absent-

13

Total student

= 132

Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad.





Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-15/02/2019

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-I**

Semester: **II**

Time: **50 min**

Name of Paper: **Physical Chemistry,**

Paper No.: **IV**

Marks **10**

Name of Invigilator: **Dr. A.M.Pachpinde**

Roll number of present Students	Roll number of absent Students	Total
AA-01, AA-02, AA-03, AA-04, AA-05, AA-06, AA-07, AA-09, AA-10, AA-12, AA-14, AA-15, AA-16, AA-17, AA-18, AA-19, AA-20, AA-22, AA-23, AA-24, AA-25, AA-26, AA-27, AA-28, AA-29, AA-30, AA-31, AA-32, AA-33, AA-34, AA-35, AA-36, AA-37, AA-38, AA-39, AA-40, AA-41, AA-42, AA-43, AA-44, AA-45, AA-46, AA-47, AA-48, AA-49, AA-50, AA-52, AA-53, AA-54, AA-55, AA-56, AA-57, AA-58, AA-59, AA-60, AA-61, AA-62, AA-63, AA-64, AA-65, AA-68, AA-70, AA-71, AA-72, AA-73, AA-74, AA-76, AA-77, AA-78, AA-79, AA-81, AA-83 AA-84, AA-86, AA-87, AA-88, AA-89, AA-90, AA-91, AA-92, AA-93, AA-94, AA-95, AA-96, AA-97, AA-98, AA-99, AA-102, AA-103, AA-104, AA-105, AA-106, AA-107, AA-108, AA-109, AA-110, AA-111, AA-112, AA-113, AA-114, AA-115, AA-116, AA-117, AA-118, AA-119, AA-120, AA-121, AA-122, AA-123, AA-124, AA-125, AA-126, AA-127, AA-128, AA-130, AA-131, AA-132, AA-133, AA-134, AA-135, AA-136, AA-137, AA-138, AA-139, AA-140, AA-141, AA-142, AA-143, AA-144, AA-145, AA-146, AA-147	AA-08, AA-11, AA-13, AA-51, AA-66, AA-67, AA-69, AA-75, AA-80, AA-82, AA-85, AA-100, AA-101,	132
Total present Students =119	Total absent Students =13	

Signature of Invigilator

Coordinator of Internal evaluation cell

Signature of Principal  
Principal

**Co-Ordinator**  
**Internal Evaluation Cell**  
**Jawahar Arts, Science & Commerce College,**  
**Anadur, Tq.- Tuljapur, Dist.- Osmanabad.**

**Jawahar Arts, Science & Commerce College**  
**Anadur, Tal. Tuljapur, Dist. Osmanabad.**



Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher: Dr. A. M. Pachpinde

Class: B.Sc-I

Semester: II

Name of Paper: Physical Chemistry

Paper No. : IV

Marks Test-10,

Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AA-01	06	09	15	26	AA-26	08	06	14
2	AA-02	08	06	14	27	AA-27	07	08	15
3	AA-03	07	08	15	28	AA-28	06	07	13
4	AA-04	06	07	13	29	AA-29	06	09	15
5	AA-05	06	09	15	30	AA-30	08	06	14
6	AA-06	08	06	14	31	AA-31	07	08	15
7	AA-07	07	08	15	32	AA-32	06	07	13
8	AA-08	Absent	07	07	33	AA-33	06	09	15
9	AA-09	06	09	15	34	AA-34	06	09	15
10	AA-10	08	06	14	35	AA-35	08	Absent	08
11	AA-11	Absent	08	08	36	AA-36	07	08	15
12	AA-12	06	07	13	37	AA-37	06	07	13
13	AA-13	Absent	09	09	38	AA-38	06	09	15
14	AA-14	06	09	15	39	AA-39	08	06	14
15	AA-15	08	06	14	40	AA-40	06	07	13
16	AA-16	07	08	15	41	AA-41	08	06	14
17	AA-17	06	07	13	42	AA-42	07	08	15
18	AA-18	06	Absent	06	43	AA-43	06	07	13
19	AA-19	08	06	14	44	AA-44	06	09	15
20	AA-20	06	07	13	45	AA-45	08	06	14
21	AA-21	08	06	14	46	AA-46	07	08	15
22	AA-22	07	08	15	47	AA-47	06	07	13
23	AA-23	06	07	13	48	AA-48	06	09	15
24	AA-24	06	09	15	49	AA-49	06	09	15
25	AA-25	08	06	14	50	AA-50	08	06	14



Sr. No.	Roll. No	07	08	Total	Sr. No.	Roll. No	07	08	Total
51	AA-51	Absent	07	07	84	AA-84	06	07	13
52	AA-52	06	09	15	85	AA-85	Absent	09	15
53	AA-53	06	09	15	86	AA-86	08	06	14
54	AA-54	08	06	14	87	AA-87	06	07	13
55	AA-55	07	08	15	88	AA-88	08	06	14
56	AA-56	06	07	13	89	AA-89	07	08	15
57	AA-57	06	09	15	90	AA-90	06	07	13
58	AA-58	08	06	14	91	AA-91	06	09	15
59	AA-59	06	07	13	92	AA-92	08	06	14
60	AA-60	08	06	14	93	AA-93	07	08	15
61	AA-61	07	08	15	94	AA-94	06	07	13
62	AA-62	06	07	13	95	AA-95	06	09	15
63	AA-63	06	09	15	96	AA-96	06	09	15
64	AA-64	08	06	14	97	AA-97	08	06	14
65	AA-65	07	08	15	98	AA-98	07	08	15
66	AA-66	Absent	07	07	99	AA-99	06	07	13
67	AA-67	Absent	09	09	100	AA-100	Absent	09	15
68	AA-68	06	09	15	101	AA-101	Absent	06	14
69	AA-69	Absent	06	06	102	AA-102	06	07	13
70	AA-70	07	08	15	103	AA-103	06	09	15
71	AA-71	06	07	13	104	AA-104	06	09	15
72	AA-72	06	09	15	105	AA-105	08	06	14
73	AA-73	08	06	14	106	AA-106	07	08	15
74	AA-74	06	07	13	107	AA-107	06	07	13
75	AA-75	Absent	09	09	108	AA-108	06	09	15
76	AA-76	06	09	15	109	AA-109	08	06	14
77	AA-77	08	06	14	110	AA-110	06	07	13
78	AA-78	07	08	15	111	AA-111	08	06	14
79	AA-79	06	07	13	112	AA-112	06	07	13
80	AA-80	Absent	09	09	113	AA-113	06	09	15
81	AA-81	08	06	14	114	AA-114	06	09	15
82	AA-82	Absent	07	07	115	AA-115	08	06	14
83	AA-83	06	07	13	116	AA-116	06	07	13

  
Principal



Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
117	AA-117	08	06	14	125	AA-133	08	06	14
118	AA-118	07	08	15	126	AA-134	07	08	15
119	AA-119	06	07	13	127	AA-135	06	07	13
120	AA-120	06	09	15	128	AA-136	06	09	15
121	AA-121	08	06	14	129	AA-137	08	06	14
122	AA-122	06	07	13	130	AA-138	06	07	13
123	AA-123	06	09	15	131	AA-139	06	09	15
124	AA-124	08	06	14	132	AA-140	08	06	14

  
**Principal**  
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Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-II

SEMESTER MISTER: II

Class: **B.Sc.I**

Subject: **Chemistry**

Paper No.: **V**

Marks: **10**

Date: **15/02/2019**

Name of the Paper: **Inorganic Chemistry**

Time: **1.20 to 2.00**

Note: All questions are compulsory.

**Q.1. What is Valence bond theory? How does it account for bonding in Hydrogen molecule?**

**10 marks**

Or

**Q.1. What is free electron Concept of metallic bond?**

**10 marks**

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Jawahar Arts, Science & Commerce College  
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2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-II

SEMISTER MISTER: II

Class: **B.Sc.I**

Subject: **Chemistry**

Paper No.: **V**

Marks: **10**

Name of the Paper: **Inorganic Chemistry**

Note: All questions are compulsory

**Q.1. Explain Isotope and Isobar with suitable example.**

**10 marks**

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Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Date- 15/02/2019

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-I, Semester: II, Name of Paper: Inorganic chemistry,  
Paper No. : V, Marks 20, Dr. V.G. mane

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA-01	P	26	AA-26	P	51	AA-51	A	76	AA-76	P
2	2	P	27	27	P	52	52	P	77	77	P
3	3	P	28	28	P	53	53	P	78	78	P
4	4	P	29	29	P	54	54	P	79	79	P
5	5	P	30	30	P	55	55	P	80	80	A
6	6	P	31	31	P	56	56	P	81	81	P
7	7	P	32	32	P	57	57	P	82	82	A
8	8	A	33	33	P	58	58	P	83	83	P
9	9	P	34	34	P	59	59	P	84	84	P
10	10	P	35	35	P	60	60	P	85	85	A
11	11	A	36	36	P	61	61	P	86	86	P
12	12	P	37	37	P	62	62	P	87	87	P
13	13	A	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	P	40	40	P	65	65	P	90	90	P
16	16	P	41	41	P	66	66	A	91	91	P
17	17	P	42	42	P	67	67	A	92	92	P
18	18	P	43	43	P	68	68	P	93	93	P
19	19	P	44	44	P	69	69	A	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	P	73	73	P	98	98	P
24	24	P	49	49	P	74	74	P	99	99	P
25	25	P	50	50	P	75	75	A	100	100	A

Number of student present-

Number of students absent-

Total students-

Principal

Jawahar Arts, Science & Commerce College,  
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Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Date- 15/02/2019

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-I, Semester: II, Name of Paper: Inorganic Chemistry  
Paper No.: V Marks

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AA101	A	26	AA126	P	51			76		
2	2	P	27	127	P	52			77		
3	3	P	28	128	P	53			78		
4	4	P	29	129	P	54			79		
5	5	P	30	130	P	55			80		
6	6	P	31	131	P	56			81		
7	7	P	32	132	P	57			82		
8	8	P	33			58			83		
9	9	P	34			59			84		
10	10	P	35			60			85		
11	11	P	36			61			86		
12	12	P	37			62			87		
13	13	P	38			63			88		
14	14	P	39			64			89		
15	15	P	40			65			90		
16	16	P	41			66			91		
17	17	P	42			67			92		
18	18	P	43			68			93		
19	19	P	44			69			94		
20	20	P	45			70			95		
21	21	P	46			71			96		
22	22	P	47			72			97		
23	23	P	48			73			98		
24	24	P	49			74			99		
25	25	P	50			75			100		

Number of student present-

= 119

Number of students absent-

= 13

Total students-

= 132

Principal

Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad.



Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-15/02/2019

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-I**

Semester: **II**

Time: **50 min**

Name of Paper: **Inorganic Chemistry**

Paper No.: **V**

Marks **10**

Name of Invigilator: **Dr. V. G. Mane**

Roll number of present Students	Roll number of absent Students	Total
AA-01, AA-02, AA-03, AA-04, AA-05, AA-06, AA-07, AA-09, AA-10, AA-12, AA-14, AA-15, AA-16, AA-17, AA-18, AA-19, AA-20, AA-21, AA-22, AA-23, AA-24, AA-25, AA-26, AA-27, AA-28, AA-29, AA-30, AA-31, AA-32, AA-33, AA-34, AA-35, AA-36, AA-37, AA-38, AA-39, AA-40, AA-41, AA-42, AA-43, AA-44, AA-45, AA-46, AA-47, AA-48, AA-49, AA-50, AA-52, AA-53, AA-54, AA-55, AA-56, AA-57, AA-58, AA-59, AA-60, AA-61, AA-62, AA-63, AA-64, AA-65, AA-68, AA-70, AA-71, AA-72, AA-73, AA-74, AA-76, AA-77, AA-78, AA-79, AA-81, AA-83, AA-84, AA-86, AA-87, AA-88, AA-89, AA-90, AA-91, AA-92, AA-93, AA-94, AA-95, AA-96, AA-97, AA-98, AA-99, AA-102, AA-103, AA-104, AA-105, AA-106, AA-107, AA-108, AA-109, AA-110, AA-111, AA-112, AA-113, AA-114, AA-115, AA-116, AA-117, AA-118, AA-119, AA-120, AA-121, AA-122, AA-123, AA-124, AA-125, AA-126, AA-127, AA-128, AA-129, AA-131, AA-132, AA-133, AA-134, AA-135, AA-136, AA-137, AA-138, AA-139, AA-130, AA-140, AA-141, AA-142, AA-143, AA-144, AA-145, AA-146, AA-147	AA-08, AA-11, AA-13, AA-51, AA-66, AA-67, AA-69, AA-75, AA-80, AA-82, AA-85, AA-100, AA-101,	132
Total present Students = 119	Total absent Students = 13	

Signature of Invigilator

Coordinator of Internal evaluation cell

Signature of Principal

**Co-Ordinator**

**Internal Evaluation Cell**

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq.- Tuljapur, Dist.- Osmanabad.**

**Principal**

**Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad**





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Department of Chemistry

Name of Teacher:

Class: B.Sc-I

Semester: II

Name of Paper: Inorganic Chemistry

Paper No. : V

Marks Test-10,

Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AA-01	07	08	15	26	AA-26	07	08	15
2	AA-02	06	07	13	27	AA-27	06	07	13
3	AA-03	06	09	15	28	AA-28	06	09	15
4	AA-04	06	09	15	29	AA-29	06	09	15
5	AA-05	08	06	14	30	AA-30	08	06	14
6	AA-06	07	08	15	31	AA-31	07	08	15
7	AA-07	06	07	13	32	AA-32	06	07	13
8	AA-08	Absent	09	09	33	AA-33	06	09	15
9	AA-09	08	06	14	34	AA-34	08	06	14
10	AA-10	06	07	13	35	AA-35	06	Absent	06
11	AA-11	Absent	06	06	36	AA-36	08	06	14
12	AA-12	07	08	15	37	AA-37	07	08	15
13	AA-13	Absent	07	07	38	AA-38	06	07	13
14	AA-14	06	09	15	39	AA-39	06	09	15
15	AA-15	08	06	14	40	AA-40	08	06	14
16	AA-16	07	08	15	41	AA-41	07	08	15
17	AA-17	06	07	13	42	AA-42	06	07	13
18	AA-18	06	Absent	06	43	AA-43	06	09	15
19	AA-19	06	09	15	44	AA-44	06	09	15
20	AA-20	08	06	14	45	AA-45	08	06	14
21	AA-21	07	08	15	46	AA-46	07	08	15
22	AA-22	06	07	13	47	AA-47	06	07	13
23	AA-23	06	09	15	48	AA-48	06	09	15
24	AA-24	08	06	14	49	AA-49	08	06	14
25	AA-25	06	07	13	50	AA-50	06	07	13

Principal

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad

Sr. No.	Roll. No	08	06	Total	Sr. No.	Roll. No	08	06	Total
51	AA-51	Absent	08	08	84	AA-84	07	08	15
52	AA-52	06	07	13	85	AA-85	Absent	07	07
53	AA-53	06	09	15	86	AA-86	06	09	15
54	AA-54	08	06	14	87	AA-87	08	06	14
55	AA-55	07	08	15	88	AA-88	07	08	15
56	AA-56	06	07	13	89	AA-89	06	07	13
57	AA-57	06	09	15	90	AA-90	06	09	15
58	AA-58	06	09	15	91	AA-91	06	09	15
59	AA-59	08	06	14	92	AA-92	08	06	14
60	AA-60	07	08	15	93	AA-93	07	08	15
61	AA-61	06	07	13	94	AA-94	06	07	13
62	AA-62	06	09	15	95	AA-95	06	09	15
63	AA-63	08	06	14	96	AA-96	08	06	14
64	AA-64	06	07	13	97	AA-97	06	07	13
65	AA-65	08	06	14	98	AA-98	08	06	14
66	AA-66	Absent	08	08	99	AA-99	07	08	15
67	AA-67	Absent	07	07	100	AA-100	Absent	07	07
68	AA-68	06	09	15	101	AA-101	Absent	09	09
69	AA-69	Absent	06	06	102	AA-102	08	06	14
70	AA-70	07	08	15	103	AA-103	07	08	15
71	AA-71	06	07	13	104	AA-104	06	07	13
72	AA-72	06	09	15	105	AA-105	06	09	15
73	AA-73	06	09	15	106	AA-106	06	09	15
74	AA-74	08	06	14	107	AA-107	08	06	14
75	AA-75	Absent	08	15	108	AA-108	07	08	15
76	AA-76	06	07	13	109	AA-109	06	07	13
77	AA-77	06	09	15	110	AA-110	06	09	15
78	AA-78	08	06	14	111	AA-111	08	06	14
79	AA-79	06	07	13	112	AA-112	06	07	13
80	AA-80	Absent	06	14	113	AA-113	08	06	14
81	AA-81	07	08	15	114	AA-114	07	08	15
82	AA-82	Absent	07	13	115	AA-115	06	07	13
83	AA-83	06	09	15	116	AA-116	06	09	15

  
Principal

Sr. No.	Roll. No	08	06	Total	Sr. No.	Roll. No	08	06	Total
117	AA-117	06	07	13	125	AA-133	06	07	13
118	AA-118	06	09	15	126	AA-134	06	09	15
119	AA-119	06	09	15	127	AA-135	06	09	15
120	AA-120	08	06	14	128	AA-136	08	06	14
121	AA-121	07	08	15	129	AA-137	07	08	15
122	AA-122	06	07	13	130	AA-138	06	07	13
123	AA-123	06	07	13	131	AA-139	06	07	13
124	AA-124	06	09	15	132	AA-140	06	07	13



**Principal**

**Jawahar Arts, Science & Commerce College**  
Ankur Tal. Tumkur, Dist. Osmanabad





Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell  
UNIT TEST-II  
SEMISTER MISTER: IV

Class: B.Sc.II      Subject: Chemistry      Paper No.: X      Marks: 10  
Date: 15/02/2019      Name of the Paper: Inorganic Chemistry      Time: 11.40 to 12.20

Note: All questions are compulsory.

**Q.1. What are Actinides? Explain oxidation state of Actinides.** 10 marks

Or

**Q.1. Describe the precipitation reaction and complex formation reaction in liq. SO<sub>2</sub>** 10 marks

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**Principal**

Jawahar Arts, Science & Commerce College  
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2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-II

SEMESTER MISTER: IV

Class: **B.Sc.II**      Subject: **Chemistry**      Paper No.: **X**      Marks: **10**

Name of the Paper: **Inorganic Chemistry**

Note: All questions are compulsory.

**Q.1. Explain lanthanide contraction and give it's consequences.**

**10 marks**

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.



Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603  
INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Date- 15/02/2019

Department of chem B3m

Presenty Report of Test/Tutorial

Class: B.Sc-II, Semester: IV, Name of Paper: inorganic chem B3m  
Paper No. : X, Marks=10, Dr. A. m. pachamde

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AB-01	P	26	26	P	51	51	P	76	76	P
2	02	P	27	27	P	52	52	P	77	77	P
3	03	P	28	28	P	53	53	P	78	78	P
4	04	A	29	29	P	54	54	P	79	79	P
5	05	P	30	30	P	55	55	P	80	80	P
6	06	P	31	31	P	56	56	P	81	81	P
7	07	P	32	32	P	57	57	P	82	82	P
8	08	A	33	33	P	58	58	P	83	83	P
9	09	P	34	34	P	59	59	P	84	84	P
10	10	P	35	35	A	60	60	P	85	85	P
11	11	P	36	36	P	61	61	P	86	86	P
12	12	A	37	37	P	62	62	P	87	87	P
13	13	P	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	P	40	40	P	65	65	A	90	90	P
16	16	A	41	41	P	66	66	P	91	91	P
17	17	P	42	42	P	67	67	P	92	92	P
18	18	P	43	43	P	68	68	P	93	93	P
19	19	P	44	44	P	69	69	P	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	P	73	73	P	98	98	P
24	24	P	49	49	P	74	74	P	99	99	P
25	25	A	50	50	A	75	75	A	100	100	P

Principal

Number of student present-

Number of students absent-

Total students  
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.





**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Date- 15/02/2019

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-II, Semester: IV, Name of Paper: Inorganic Chemistry  
Paper No. : X, Marks = 10, Dr. A.M. Pachpande

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
101	AB-101	A	26			51			76		
102	102	A	27			52			77		
103	103	A	28			53			78		
104	104	P	29			54			79		
105	105	P	30			55			80		
106	106	P	31			56			81		
107	107	P	32			57			82		
108	108	P	33			58			83		
109	109	P	34			59			84		
110	110	P	35			60			85		
111	111	P	36			61			86		
112	112	P	37			62			87		
113	113	P	38			63			88		
114	114	P	39			64			89		
115	115	P	40			65			90		
116	116	P	41			66			91		
117	117	P	42			67			92		
118	118	P	43			68			93		
119			44			69			94		
120			45			70			95		
121			46			71			96		
122			47			72			97		
123			48			73			98		
124			49			74			99		
125			50			75			100		

*(Signature)*  
**Principal**

Number of student present- 106      Number of students absent- 12      Total students 118  
Jawahar Arts, Science & Commerce College, Anadur, Tal. Tuljapur, Dist. Osmanabad.



Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-15/02/2019

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-II**

Semester: **IV**

Time: **50 min**

Name of Paper: **Inorganic Chemistry**

Paper No.: **X**

Marks **10**

Name of Invigilator: **Dr. A.M.Pachpinde**

Roll number of present Students	Roll number of absent Students	Total
AB-01, AB-02, AB-03, AB-05, AB-06, AB-07, AB-09, AB-10, AB-11, AB-13, AB-14, AB-15, AB-17, AB-18, AB-19, AB-20, AB-21, AB-22, AB-23, AB-24, AB-26, AB-27, AB-28, AB-29,  AB-30, AB-31, AB-32, AB-33, AB-34, AB-36, AB-37, AB-38, AB-39, AB-40, AB-41, AB-42, AB-43, AB-44, AB-45, AB-46, AB-47, AB-48, AB-49, AB-51, AB-52, AB-53, AB-54, AB-55,  AB-56, AB-57, AB-58, AB-59, AB-60, AB-61, AB-62, AB-63, AB-64, AB-66, AB-67, AB-68, AB-69, AB-70, AB-71, AB-72, AB-73, AB-74, AB-76, AB-77, AB-78, AB-79, AB-80, AB-81,  AB-82, AB-83, AB-84, AB-85, AB-86, AB-87, AB-88, AB-89, AB-90, AB-91, AB-92, AB-93, AB-94, AB-95, AB-96, AB-97, AB-98, AB-99, AB-100, AB-104, AB-105, AB-106, AB-107,  AB-108, AB-109, AB-110, AB-111, AB-112, AB-113, AB-114, AB-115, AB-116, AB-117, AB-118, AB-119, AB-120	AB-04, AB-08, AB-12, AB-16, AB-25, AB-35, AB-50, AB-65, AB-75, AB-101, AB-102, AB-103	118
Total present Students = 106	Total absent Students = 12	

  
Signature of Invigilator

  
Coordinator of Internal evaluation cell

**Co-Ordinator**  
**Internal Evaluation Cell**  
**Jawahar Arts, Science & Commerce College,**  
**Anadur, Tq.- Tuljapur, Dist.- Osmanabad.**

  
Signature of Principal  
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher:

Class: B.Sc-II

Semester: IV

Name of Paper: Inorganic Chemistry

Paper No. : X

Marks: Test-10,

Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AB-01	07	08	15	26	AB-26	07	08	15
2	AB-02	06	07	13	27	AB-27	06	07	13
3	AB-03	06	09	15	28	AB-28	06	09	15
4	AB-04	06	09	15	29	AB-29	Absent	09	15
5	AB-05	08	06	14	30	AB-30	Absent	06	14
6	AB-06	07	08	15	31	AB-31	07	08	15
7	AB-07	Absent	07	13	32	AB-32	06	07	13
8	AB-08	06	09	15	33	AB-33	06	09	15
9	AB-09	Absent	06	14	34	AB-34	08	06	14
10	AB-10	06	07	13	35	AB-35	Absent	07	13
11	AB-11	08	06	14	36	AB-36	08	06	14
12	AB-12	07	08	15	37	AB-37	07	08	15
13	AB-13	06	07	13	38	AB-38	06	07	13
14	AB-14	06	09	15	39	AB-39	06	09	15
15	AB-15	Absent	06	14	40	AB-40	08	06	14
16	AB-16	07	08	15	41	AB-41	07	08	15
17	AB-17	07	08	15	42	AB-42	07	08	15
18	AB-18	06	07	13	43	AB-43	06	07	13
19	AB-19	Absent	09	15	44	AB-44	06	09	15
20	AB-20	08	06	14	45	AB-45	08	06	14
21	AB-21	07	08	15	46	AB-46	07	08	15
22	AB-22	06	07	13	47	AB-47	06	Absent	13
23	AB-23	06	09	15	48	AB-48	06	Absent	15
24	AB-24	06	09	15	49	AB-49	06	09	15
25	AB-25	Absent	06	14	50	AB-50	Absent	06	14

Principal



Sr. No.	Roll. No	07	08	Total	Sr. No.	Roll. No	07	08	Total
51	AB-51	06	07	13	84	AB-84	06	07	13
52	AB-52	Absent	09	15	85	AB-85	Absent	09	15
53	AB-53	08	06	14	86	AB-86	08	06	14
54	AB-54	06	07	13	87	AB-87	06	07	13
55	AB-55	08	06	14	88	AB-88	08	06	14
56	AB-56	07	08	15	89	AB-89	07	08	15
57	AB-57	06	07	13	90	AB-90	06	07	13
58	AB-58	06	09	15	91	AB-91	06	09	15
59	AB-59	08	06	14	92	AB-92	08	06	14
60	AB-60	07	08	15	93	AB-93	07	08	15
61	AB-61	07	08	15	94	AB-94	07	08	15
62	AB-62	Absent	07	13	95	AB-95	06	07	13
63	AB-63	06	09	15	96	AB-96	06	09	15
64	AB-64	08	06	14	97	AB-97	08	06	14
65	AB-65	07	08	15	98	AB-98	07	08	15
66	AB-66	06	07	13	99	AB-99	06	07	13
67	AB-67	06	09	15	100	AB-100	06	09	15
68	AB-68	06	09	15	101	AB-101	06	09	15
69	AB-69	08	06	14	102	AB-102	08	06	14
70	AB-70	07	08	15	103	AB-103	07	08	15
71	AB-71	06	07	13	104	AB-104	06	07	13
72	AB-72	06	09	15	105	AB-105	06	09	15
73	AB-73	08	06	14	106	AB-106	08	06	14
74	AB-74	06	07	13	107	AB-107	06	07	13
75	AB-75	08	06	14	108	AB-108	08	06	14
76	AB-76	07	08	15	109	AB-109	07	08	15
77	AB-77	06	07	13	110	AB-110	06	07	13
78	AB-78	06	09	15	111	AB-111	06	09	15
79	AB-79	08	06	14	112	AB-112	08	06	14
80	AB-80	07	08	15	113	AB-113	07	08	15
81	AB-81	07	08	15	114	AB-114	07	08	15
82	AB-82	06	07	13	115	AB-115	06	07	13
83	AB-83	06	09	15	116	AB-116	06	09	15

Principal

Sr. No.	Roll. No	08	06	Total	Sr. No.	Roll. No	08	06	Total
117	AB-117	06	07	13	118	AB-118	06	07	13

  
**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Telapur, Dist. Osmanabad



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-II

SEMESTER MISTER: IV

Class: **B.Sc.II** Subject: **Chemistry** Paper No.: **XI** Marks: **10**

Date: 15/02/2019 Name of the Paper: **Physical Chemistry** Time: **12.30 to 1.10**

Note: All questions are compulsory.

**Q.1. What are Azeotropic mixtures? Discuss  $H_2O - HCl$  and  $H_2O - C_2H_5OH$  system.**  
10 marks

Or

**Q.1. Derive Nernst's equation for single electrode potential and Cell emf.**  
10 marks

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\*\*\*\*

**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.



2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

TUTORIAL-II

SEMESTER MISTER: IV

Class: **B.Sc.II**      Subject: **Chemistry**      Paper No.: **XI**      Marks: **10**

Name of the Paper: **Physical Chemistry**

Note: All questions are compulsory.

Q.1. What is phase rule? Explain the terms involved in it.

10 marks

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad



**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

**Internal Evaluation 2018-2019**

**Date- 15/02/2019**

**Department of chemBh**

**Presenty Report of Test/Tutorial**

Class: B.Sc-II, Semester: IV, Name of Paper: Physical chemBh,  
Paper No. : XI, Marks = 10, Dr. D. N. Gahwar

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AB-01		26	26		51	51		76	76	
2	02		27	27		52	52	A	77	77	
3	03		28	28		53	53		78	78	
4	04		29	29	A	54	54		79	79	
5	05		30	30	A	55	55		80	80	
6	06		31	31		56	56		81	81	
7	07	A	32	32		57	57		82	82	
8	08		33	33		58	58		83	83	
9	09	A	34	34		59	59		84	84	
10	10		35	35	A	60	60		85	85	A
11	11		36	36		61	61		86	86	
12	12		37	37		62	62		87	87	
13	13		38	38		63	63		88	88	
14	14		39	39		64	64		89	89	
15	15	A	40	40		65	65		90	90	
16	16		41	41		66	66		91	91	
17	17		42	42		67	67		92	92	
18	18		43	43		68	68		93	93	
19	19	A	44	44		69	69		94	94	
20	20		45	45		70	70		95	95	
21	21		46	46		71	71		96	96	
22	22		47	47		72	72		97	97	
23	23		48	48		73	73		98	98	
24	24		49	49		74	74		99	99	
25	25	A	50	50	A	75	75		100	100	

Number of student present-                     

Number of students absent-                     

Total students                       
Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.

**Principal**

*(Signature)*





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Date- 15/02/2019

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-II, Semester: IV, Name of Paper: Physical Chemistry,  
Paper No.: II, Marks = 10, Dr. D. N. Gattewar

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
10	1	AB-101	P	26		51			76		
10	2	102	P	27		52			77		
10	3	103	P	28		53			78		
10	4	104	P	29		54			79		
10	5	105	P	30		55			80		
10	6	106	P	31		56			81		
10	7	107	P	32		57			82		
10	8	108	P	33		58			83		
10	9	109	P	34		59			84		
1	10	110	P	35		60			85		
1	11	111	P	36		61			86		
1	12	112	P	37		62			87		
1	13	113	P	38		63			88		
1	14	114	P	39		64			89		
1	15	115	P	40		65			90		
1	16	116	P	41		66			91		
1	17	117	P	42		67			92		
1	18	118	P	43		68			93		
	19			44		69			94		
	20			45		70			95		
	21			46		71			96		
	22			47		72			97		
	23			48		73			98		
	24			49		74			99		
	25			50		75			100		

Principal

Number of student present-

= 105

Number of students absent-

= 13

Total students

= 118

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad.





Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-15/02/2019

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-II**

Semester: **IV**

Time: **50 min**

Name of Paper :, **Physical Chemistry**

Paper No.: **XI**

Marks **10**

Name of Invigilator: **Dr. D. N. Gatlewar**

Roll number of present Students	Roll number of absent Students	Total
AB-01, AB-02, AB-03, AB-04, AB-05, AB-06, AB-08, AB-10, AB-11, AB-12, AB-13, AB-14, AB-16, AB-17, AB-18, AB-20, AB-21, AB-22,  AB-23, AB-24, AB-26, AB-27, AB-28, AB-31, AB-32, AB-33, AB-34, AB-36, AB-37, AB-38, AB-39, AB-40, AB-41, AB-42, AB-43, AB-44, AB-45, AB-46, AB-47, AB-48, AB-49, AB-51,  AB-53, AB-54, AB-55, AB-56, AB-57, AB-58, AB-59, AB-60, AB-61, AB-62, AB-63, AB-64, AB-65, AB-66, AB-67, AB-68, AB-69, AB-70, AB-71, AB-72, AB-73, AB-74, AB-75, AB-76,  AB-77, AB-78, AB-79, AB-80, AB-81, AB-82, AB-83, AB-84, AB-86, AB-87, AB-88, AB-89, AB-90, AB-91, AB-92, AB-93, AB-94, AB-95, AB-96, AB-97, AB-98, AB-99, AB-100, AB-101,  AB-102, AB-103, AB-104, AB-105, AB-106, AB-107, AB-108, AB-109, AB-110, AB-111, AB-112, AB-113, AB-114, AB-115, AB-116, AB-117, AB-118, AB-119, AB-120	AB-07, AB-09, AB-15, AB-19, AB-25, AB-29, AB-30, AB-35, AB-50, AB-52, AB-85,	118
Total present Students =105	Total absent Students =13	

Signature of Invigilator

Coordinator of Internal evaluation cell

**Co-Ordinator**  
**Internal Evaluation Cell**  
**Jawahar Arts, Science & Commerce College,**  
**Anadur, Tq.- Tuljapur, Dist.- Osmanabad.**

Signature of Principal  
**Principal**  
**Jawahar Arts, Science & Commerce College**  
**Anadur, Tal. Tuljapur, Dist. Osmanabad**



Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher: Dr. Dhananjay Narendra Gatlewar

Class: B.Sc-II

Semester: IV

Name of Paper: Physical Chemistry

Paper No. : XI

Marks: Test-10,

Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AB-01	06	09	15	26	AB-26	06	09	15
2	AB-02	08	06	14	27	AB-27	08	06	14
3	AB-03	07	08	15	28	AB-28	07	08	15
4	AB-04	07	08	15	29	AB-29	Absent	08	15
5	AB-05	06	07	13	30	AB-30	Absent	07	13
6	AB-06	06	09	15	31	AB-31	06	09	15
7	AB-07	Absent	06	14	32	AB-32	08	06	14
8	AB-08	07	08	15	33	AB-33	07	08	15
9	AB-09	Absent	07	13	34	AB-34	06	07	13
10	AB-10	06	09	15	35	AB-35	Absent	09	15
11	AB-11	06	09	15	36	AB-36	06	09	15
12	AB-12	08	06	14	37	AB-37	08	06	14
13	AB-13	07	08	15	38	AB-38	07	08	15
14	AB-14	06	07	13	39	AB-39	06	07	13
15	AB-15	Absent	09	15	40	AB-40	06	09	15
16	AB-16	08	06	14	41	AB-41	08	06	14
17	AB-17	06	07	13	42	AB-42	06	07	13
18	AB-18	08	06	14	43	AB-43	08	06	14
19	AB-19	Absent	08	15	44	AB-44	07	08	15
20	AB-20	06	07	13	45	AB-45	06	07	13
21	AB-21	06	09	15	46	AB-46	06	09	15
22	AB-22	08	06	14	47	AB-47	08	Absent	14
23	AB-23	07	08	15	48	AB-48	07	Absent	15
24	AB-24	07	08	15	49	AB-49	07	08	15
25	AB-25	Absent	07		50	AB-50	Absent	07	13

Principal

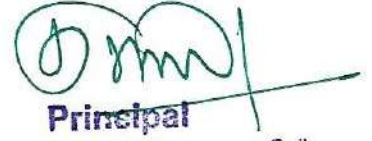


Sr. No.	Roll. No	06	09	Total	Sr. No.	Roll. No	06	09	Total
51	AB-51	08	06		84	AB-84	08	06	14
52	AB-52	Absent	08		85	AB-85	Absent	08	15
53	AB-53	06	07		86	AB-86	06	07	13
54	AB-54	06	09		87	AB-87	06	09	15
55	AB-55	06	09		88	AB-88	06	09	15
56	AB-56	08	06		89	AB-89	08	06	14
57	AB-57	07	08		90	AB-90	07	08	15
58	AB-58	06	07		91	AB-91	06	07	13
59	AB-59	06	09		92	AB-92	06	09	15
60	AB-60	08	06		93	AB-93	08	06	14
61	AB-61	06	07		94	AB-94	06	07	13
62	AB-62	Absent	06		95	AB-95	08	06	14
63	AB-63	07	08		96	AB-96	07	08	15
64	AB-64	06	07		97	AB-97	06	07	13
65	AB-65	06	09		98	AB-98	06	09	15
66	AB-66	08	06		99	AB-99	08	06	14
67	AB-67	07	08		100	AB-100	07	08	15
68	AB-68	07	08		101	AB-101	07	08	15
69	AB-69	06	07		102	AB-102	06	07	13
70	AB-70	06	09		103	AB-103	06	09	15
71	AB-71	08	06		104	AB-104	08	06	14
72	AB-72	07	08		105	AB-105	07	08	15
73	AB-73	06	07		106	AB-106	06	07	13
74	AB-74	06	09		107	AB-107	06	09	15
75	AB-75	06	09		108	AB-108	06	09	15
76	AB-76	08	06		109	AB-109	08	06	14
77	AB-77	07	08		110	AB-110	07	08	15
78	AB-78	06	07		111	AB-111	06	07	13
79	AB-79	06	09		112	AB-112	06	09	15
80	AB-80	08	06		113	AB-113	08	06	14
81	AB-81	06	07		114	AB-114	06	07	13
82	AB-82	08	06		115	AB-115	08	06	14
83	AB-83	07	08		116	AB-116	07	08	15

  
Principal



Sr. No.	Roll. No	06	07	Total	Sr. No.	Roll. No	06	07	Total
117	AB-117	08	06	14	118	AB-118	08	06	14



**Principal**

Jawahar Arts, Science & Commerce College  
Anadur Tal. Tuljapur, Dist. Osmanabad



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-II

SEMESTER MISTER: VI

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Class: <b>B.Sc.III</b>	Subject: <b>Chemistry</b>	Paper No.: <b>XVI</b>	Marks: <b>10</b>
Date: <b>16/02/2019</b>	Name of the Paper: <b>Inorganic Chemistry</b>	Time: <b>11.40 to 12.20</b>	

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Note: All questions are compulsory.

**Q.1. Discuss the biological importance of  $Ca^{++}$  and  $Mg^{++}$  ions. 10 marks**

Or

**Q.1. What is chromatography? Discuss the technique of ascending paper chromatography. 10 marks**

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**Principal**

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad

2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell  
TUTORIAL-II

SEMISTER MISTER: VI

Class: **B.Sc.III** Subject: **Chemistry** Paper No.: **XVI** Marks: **10**

Name of the Paper: **Inorganic Chemistry**

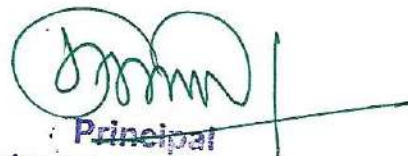
Note: All questions are compulsory.

**Q.1. Explain**

**10 marks**

- i) Types of Electronic transitions
- ii) Spin selection rule

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Principal

Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603  
INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018-2019

Date- 16/02/2019

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-III, Semester: VI, Name of Paper: Inorganic Chemistry

Paper No. : ~~XVI~~ XVI

Marks

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AC-01		26	26		51	51		76	76	
2	02		27	27		52	52		77	77	
3	03		28	28	A	53	53		78	78	
4	04		29	29		54	54		79	79	
5	05		30	30		55	55		80	80	
6	06		31	31		56	56	A	81	81	
7	07	A	32	32		57	57		82	82	
8	08		33	33		58	58		83	83	
9	09		34	34		59	59		84	84	
10	10		35	35	A	60	60		85	85	
11	11		36	36		61	61		86	86	
12	12		37	37		62	62		87	87	
13	13		38	38		63	63	A	88	88	
14	14	A	39	39		64	64		89	89	
15	15		40	40		65	65		90	90	
16	16		41	41		66	66		91	91	
17	17		42	42	A	67	67		92	92	
18	18		43	43		68	68		93	93	
19	19		44	44		69	69		94	94	
20	20		45	45		70	70		95	95	
21	21	A	46	46		71	71		96	96	
22	22		47	47		72	72		97	97	
23	23		48	48		73	73		98	98	
24	24		49	49	A	74	74		99	99	
25	25		50	50		75	75		100	100	

Number of student present-

= 91

Number of students absent-

= 09

Total student

= 100

Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad.

Principal



Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-16/02/2019

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-III**

Semester: VI

Time: 50 min

Name of Paper: **Inorganic Chemistry,**


Paper No.: XVI

Marks 10

Name of Invigilator: Dr. V. G. Mane

Roll number of present Students	Roll number of absent Students	Total
AC-01, AC-02, AC-03, AC-04, AC-05, AC-06, AC-08, AC-09, AC-10, AC-11, AC-12, AC-13, AC-15, AC-16, AC-17, AC-18, AC-19, AC-20, AC-22, AC-23, AC-24, AC-25, AC-26, AC-27,  AC-29, AC-30, AC-31, AC-32, AC-33, AC-34, AC-36, AC-37, AC-38, AC-39, AC-40, AC-41, AC-43, AC-44, AC-45, AC-46, AC-47, AC-48, AC-50, AC-51, AC-52, AC-53, AC-54, AC-55,  AC-57, AC-58, AC-59, AC-60, AC-61, AC-62, AC-64, AC-65, AC-66, AC-67, AC-68, AC-69, AC-70, AC-71, AC-72, AC-73, AC-74, AC-75, AC-76, AC-77, AC-78, AC-79, AC-80, AC-81,  AC-82, AC-83, AC-84, AC-85, AC-86, AC-87, AC-88, AC-89, AC-90, AC-91, AC-92, AC-93, AC-94, AC-95, AC-96, AC-97, AC-98, AC-99, AC-100,	AC-07, AC-14, AC-21, AC-28, AC-35, AC-42, AC-49, AC-56, AC-63,	100
Total present Students =91	Total absent Students =09	

  
Signature of Invigilator

  
Coordinator of Internal evaluation cell  
**Co-Ordinator**  
**Internal Evaluation Cell**  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq.- Tuljapur, Dist.- Osmanabad.

  
Signature of Principal  
Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher:

Class: B.Sc-III

Semester: VI

Name of Paper: Inorganic Chemistry

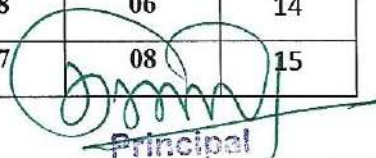
Paper No. : XVI

Marks: Test-10,

Tutorial -10,


Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AC-01	06	09	15	26	AC-26	06	09	15
2	AC-02	08	06	14	27	AC-27	08	06	14
3	AC-03	06	07	13	28	AC-28	06	07	13
4	AC-04	08	06	14	29	AC-29	08	06	14
5	AC-05	07	08	15	30	AC-30	07	08	15
6	AC-06	06	07	13	31	AC-31	06	07	13
7	AC-07	06	09	15	32	AC-32	06	09	15
8	AC-08	08	06	14	33	AC-33	08	06	14
9	AC-09	07	08	15	34	AC-34	07	08	15
10	AC-10	06	07	13	35	AC-35	06	07	13
11	AC-11	06	09	15	36	AC-36	06	09	15
12	AC-12	06	09	15	37	AC-37	06	09	15
13	AC-13	08	06	14	38	AC-38	08	06	14
14	AC-14	07	08	15	39	AC-39	07	08	15
15	AC-15	06	07	13	40	AC-40	06	07	13
16	AC-16	06	09	15	41	AC-41	06	09	15
17	AC-17	08	06	14	42	AC-42	08	06	14
18	AC-18	06	07	13	43	AC-43	06	07	13
19	AC-19	08	06	14	44	AC-44	08	06	14
20	AC-20	07	08	15	45	AC-45	07	08	15
21	AC-21	06	09	15	46	AC-46	06	09	15
22	AC-22	08	06	14	47	AC-47	08	06	14
23	AC-23	06	07	13	48	AC-48	06	07	13
24	AC-24	08	06	14	49	AC-49	08	06	14
25	AC-25	07	08	15	50	AC-50	07	08	15

  
Principal



Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
51	AC-51	06	09	15	76	AC-76	06	09	15
52	AC-52	08	06	14	77	AC-77	08	06	14
53	AC-53	07	08	15	78	AC-78	07	08	15
54	AC-54	06	07	13	79	AC-79	06	07	13
55	AC-55	06	09	15	80	AC-80	06	09	15
56	AC-56	06	09	15	81	AC-81	06	09	15
57	AC-57	08	06	14	82	AC-82	08	06	14
58	AC-58	07	08	15	83	AC-83	07	08	15
59	AC-59	06	07	13	84	AC-84	06	07	13
60	AC-60	06	09	15	85	AC-85	06	09	15
61	AC-61	08	06	14	86	AC-86	08	06	14
62	AC-62	06	07	13	87	AC-87	06	07	13
63	AC-63	08	06	14	88	AC-88	08	06	14
64	AC-64	07	08	15	89	AC-89	07	08	15
65	AC-65	06	09	15	90	AC-90	06	09	15
66	AC-66	08	06	14	91	AC-91	08	06	14
67	AC-67	07	08	15	92	AC-92	07	08	15
68	AC-68	06	07	13	93	AC-93	06	07	13
69	AC-69	06	09	15	94	AC-94	06	09	15
70	AC-70	08	06	14	95	AC-95	08	06	14
71	AC-71	06	07	13	96	AC-96	06	07	13
72	AC-72	08	06	14	97	AC-97	08	06	14
73	AC-73	07	08	15	98	AC-98	07	08	15
74	AC-74	06	07	13	99	AC-99	06	07	13
75	AC-75	08	06	14	100	AC-100	08	06	14

  
**Principal**  
 Jawahar Arts, Science & Commerce College  
 Anadur, Tal. Tuljapur, Dist. Osmanabad



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell

UNIT TEST-II

SEMESTER MISTER: VI

Class: **B.Sc.III** Subject: **Chemistry** Paper No.: **XVII** Marks: **10**

Date: 16/02/2019 Name of the Paper: **Organic Chemistry** Time: **12.30 to 1.10**

Note: All questions are compulsory.

**Q.1. Explain any two electrophilic substitution reactions of Thiophene and Pyrrole.**

**10 marks**

Or

**Q.1. Discuss Chain lengthening and Chain shortening of aldoses.**

**10 marks**

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Jawahar Arts, Science & Commerce College  
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2018-19



Shikshan Prasarak Mandal's  
**Jawahar Arts, Science & Commerce College, Anadur**  
Taluka- Tuljapur, Dist: Osmanabad

Internal Evaluation Cell  
TUTORIAL-II

SEMESTER MISTER: VI

Class: **B.Sc.III**      Subject: **Chemistry**      Paper No.: **XVII**      Marks: **10**

Name of the Paper: **Organic Chemistry**

Note: All questions are compulsory.

**Q.1. What are dyes? Explain electronic concept of colour and constitution of dyes.**

**10 marks**

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Jawahar Arts, Science & Commerce College  
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**Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Internal Evaluation 2018-2019

Date- 16/02/2019

Department of Chemistry

Presenty Report of Test/Tutorial

Class: B.Sc-III, Semester: VI, Name of Paper: organic chemistry,  
Paper No. : XVII, Marks = 10, Dr. m.m. Lonsade

Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A	Sr. No.	Roll. No	P/A
1	AC-01	P	26	26	P	51	51	P	76	76	P
2	02	P	27	27	P	52	52	P	77	77	P
3	03	P	28	28	P	53	53	P	78	78	P
4	04	P	29	29	P	54	54	A	79	79	P
5	05	P	30	30	P	55	55	P	80	80	P
6	06	A	31	31	A	56	56	P	81	81	P
7	07	P	32	32	P	57	57	P	82	82	P
8	08	P	33	33	P	58	58	P	83	83	P
9	09	P	34	34	P	59	59	P	84	84	P
10	10	P	35	35	P	60	60	A	85	85	P
11	11	P	36	36	A	61	61	P	86	86	P
12	12	A	37	37	P.	62	62	P	87	87	P
13	13	P	38	38	P	63	63	P	88	88	P
14	14	P	39	39	P	64	64	P	89	89	P
15	15	P	40	40	P	65	65	P	90	90	P
16	16	P	41	41	P	66	66	P	91	91	P
17	17	P	42	42	A	67	67	P	92	92	P
18	18	A	43	43	P	68	68	P	93	93	P
19	19	P	44	44	P	69	69	P	94	94	P
20	20	P	45	45	P	70	70	P	95	95	P
21	21	P	46	46	P	71	71	P	96	96	P
22	22	P	47	47	P	72	72	P	97	97	P
23	23	P	48	48	A	73	73	P	98	98	P
24	24	A	49	49	P	74	74	P	99	99	P
25	25	P	50	50	P	75	75	P	100	100	P

Number of student present-

790

Number of students absent-

= 10

Total students

= 100

**Principal**

Jawahar Arts, Science & Commerce College,  
Anadur, Tal. Tuljapur, Dist. Osmanabad.



Shikshan Prasarak Mandal, Anadur's

**Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603**

**INTERNAL QUALITY ASSURANCE CELL**

Date-16/02/2019

**Internal Evaluation 2018-19**

**Department of Chemistry**

**Present-Absent Report of Test**

Class: **B.Sc.-III**

Semester: **VI**

Time: **50 min**

Name of Paper :, **Organic Chemistry**

Paper No.: **XVII**

Marks **10**

Name of Invigilator: **Dr. M. M. Langade**

Roll number of present Students	Roll number of absent Students	Total
AC-01, AC-02, AC-03, AC-04, AC-05, AC-07, AC-08, AC-09, AC-10, AC-11, AC-13, AC-14, AC-15, AC-16, AC-17, AC-19, AC-20, AC-21, AC-22, AC-23, AC-25, AC-26, AC-27, AC-28,  AC-29, AC-31, AC-32, AC-33, AC-34, AC-35, AC-37, AC-38, AC-39, AC-40, AC-41, AC-43, AC-44, AC-45, AC-46, AC-47, AC-49, AC-50, AC-51, AC-52, AC-53, AC-55, AC-56, AC-57,  AC-58, AC-59, AC-61, AC-62, AC-63, AC-64, AC-65, AC-66, AC-67, AC-68, AC-69, AC-70, AC-71, AC-72, AC-73, AC-74, AC-75, AC-76, AC-77, AC-78, AC-79, AC-80, AC-81, AC-82,  AC-83, AC-84, AC-85, AC-86, AC-87, AC-88, AC-89, AC-90, AC-91, AC-92, AC-93, AC-94, AC-95, AC-96, AC-97, AC-98, AC-99, AC-100,	AC-06, AC-12, AC-18, AC-24, AC-30, AC-36, AC-42, AC-48, AC-54, AC-60,	100
Total present Students =90	Total absent Students =10	

  
Signature of Invigilator

  
Coordinator of Internal evaluation cell  
**Co-Ordinator**  
**Internal Evaluation Cell,**  
**Jawahar Arts, Science & Commerce College,**  
**Anadur, Tq.- Tuljapur, Dist.- Osmanabad.**

  
Signature of Principal  
Jawahar Arts, Science & Commerce College-  
Anadur, Tal. Tuljapur, Dist. Osmanabad





Shikshan Prasarak Mandal, Anadur's  
Jawahar Arts, Science & Commerce College,  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2018 -2019

Department of Chemistry

Name of Teacher: Dr. Dhananjay Narendra Gatlewar

Class: B.Sc-III

Semester: VI

Name of Paper: Organic Chemistry

Paper No. : XVII

Marks: Test-10,


Tutorial -10,

Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AC-01	06	07	13	26	AC-26	06	07	13
2	AC-02	06	09	15	27	AC-27	06	09	15
3	AC-03	08	06	14	28	AC-28	08	06	14
4	AC-04	07	08	15	29	AC-29	07	08	15
5	AC-05	06	07	13	30	AC-30	06	07	13
6	AC-06	06	09	15	31	AC-31	06	09	15
7	AC-07	06	09	15	32	AC-32	06	09	15
8	AC-08	08	06	14	33	AC-33	08	06	14
9	AC-09	07	08	15	34	AC-34	07	08	15
10	AC-10	06	07	13	35	AC-35	06	07	13
11	AC-11	06	09	15	36	AC-36	06	09	15
12	AC-12	08	06	14	37	AC-37	08	06	14
13	AC-13	06	07	13	38	AC-38	06	07	13
14	AC-14	08	06	14	39	AC-39	08	06	14
15	AC-15	07	08	15	40	AC-40	07	08	15
16	AC-16	06	09	15	41	AC-41	06	09	15
17	AC-17	08	06	14	42	AC-42	08	06	14
18	AC-18	06	07	13	43	AC-43	06	07	13
19	AC-19	08	06	14	44	AC-44	08	06	14
20	AC-20	07	08	15	45	AC-45	07	08	15
21	AC-21	06	07	13	46	AC-46	06	07	13
22	AC-22	06	09	15	47	AC-47	06	09	15
23	AC-23	08	06	14	48	AC-48	08	06	14
24	AC-24	07	08	15	49	AC-49	07	08	15
25	AC-25	06	07	13	50	AC-50	06	07	13



Sr. No.	Roll. No	06	09	Total	Sr. No.	Roll. No	06	09	Total
51	AC-51	06	09	15	76	AC-76	06	09	15
52	AC-52	08	06	14	77	AC-77	08	06	14
53	AC-53	07	08	15	78	AC-78	07	08	15
54	AC-54	06	07	13	79	AC-79	06	07	13
55	AC-55	06	09	15	80	AC-80	06	09	15
56	AC-56	08	06	14	81	AC-81	08	06	14
57	AC-57	06	07	13	82	AC-82	06	07	13
58	AC-58	08	06	14	83	AC-83	08	06	14
59	AC-59	07	08	15	84	AC-84	07	08	15
60	AC-60	06	09	15	85	AC-85	06	09	15
61	AC-61	08	06	14	86	AC-86	08	06	14
62	AC-62	06	07	13	87	AC-87	06	07	13
63	AC-63	08	06	14	88	AC-88	08	06	14
64	AC-64	07	08	15	89	AC-89	07	08	15
65	AC-65	06	09	15	90	AC-90	06	09	15
66	AC-66	08	06	14	91	AC-91	08	06	14
67	AC-67	06	07	13	92	AC-92	06	07	13
68	AC-68	08	06	14	93	AC-93	08	06	14
69	AC-69	07	08	15	94	AC-94	07	08	15
70	AC-70	06	09	15	95	AC-95	06	09	15
71	AC-71	08	06	14	96	AC-96	08	06	14
72	AC-72	06	07	13	97	AC-97	06	07	13
73	AC-73	08	06	14	98	AC-98	08	06	14
74	AC-74	07	08	15	99	AC-99	07	08	15
75	AC-75	07	08	15	100	AC-100	07	08	15

  
**Principal**  
 Jawahar Arts, Science & Commerce College  
 Osmanahr



Shikshan Prasarak Mandal, Anadur's  
**Jawahar Arts, Science & Commerce College,**  
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

**Department of Chemistry**  
Under the Continuous Internal Evaluation (CIE)  
Internal Unit Test-II  
(Academic Year 2018-19)

**OUTCOME REPORT OF INTERNAL EXAMINATION**

The department of Chemistry has conducted internal evaluation examination in the academic year 2018-19. The Unit Test of B.Sc.I / II / III year students based on the syllabus of Sem. II / IV / VI. This exam is for 10 Marks.

**Conclusions:**

1. Awareness regarding preparation of University exam created amongs the students.
2. It supported to develop answer writing skill of the students.
3. Students received the direction of study in the view of University exam
4. Students got awareness regarding the importance of time and exam.

  
Principal

Jawahar Arts, Science & Commerce College  
Anadur, Tal. Tuljapur, Dist. Osmanabad