



ShikshanPrasarakMandal, Anadur's

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

DEPARTMENT OF PHYSICS

Under the continuous Internal Evaluation
(CIE)

REPORT

Academic Year –2017 -18

Submitted

To

Principal

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



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

DEPARTMENT OF PHYSICS

Academic Year -2017 -18

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5	Result
6	Exam Report

Head
Head

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

दुरितांचे तिमिर जायो !

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 Guruji

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

☎ :- (02471) 246037, 246737

दि.

११.०९.२०१७

सूचना

बी.ए./बी.एस्सी./बी.कॉम. (I,II,III) वर्षातील सर्व विद्यार्थ्यांना सूचित करण्यात येते की, अंतर्गत मूल्यमापन कार्यक्रम (२०१७-२०१८) नुसार प्रथम घटक चाचणी दि.१४ व १५ सप्टेंबर २०१७ रोजी घेण्यात येणार आहे. सदर घटक चाचणीचे वेळापत्रक सूचना फलकावर लावण्यात येईल याची सर्वांनी नोंद घ्यावी.

Coordinator

Internal Evaluation Cell

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

Principal

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

JAWAHAR ART'S, SCIENCE & COMMERCE COLLEGE ANADUR, TAL-TULLAPUR, DIST- OSMANABAD
UNIT TEST-FIRST (2017-2018)

Date & Day	Time	Faculty of Arts			Faculty of Science			Faculty of Commerce		
		B.A. I	B.A. II	B.A. III	B.Sc. I	B.Sc. II	B.Sc. III	B.Com. I	B.Com. II	B.Com. III
14/09/2017 Thursday	10.00-10.40am	Eng.Com (18)	S.L. M/H/S (06/05/07)	-----	Eng.Com (04)	S.L. M/H/S (06/05/07)	-----	-----	S.L. M/H/S (06/05/07)	-----
	10.50-11.30am	S.L. M/H/S (06/05/04)	Eng.Com (18)	Main M/H/S/E-XI (09)His Eco/Geo/Pol/Soc XI-(10)	S.L. M/H/S (06/05/04)	Eng.Com (07)	-----	S.L. M/H/S (06/05/04)	-----	-----
	11.40-12.20pm	-----	Opt M/S/H/E V/V/III/III (11/12/8/17)	-----	-----	Che-IX (18)	Phys/Zoo XVII (04)	-----	Acc (07)	-----
15/09/2017 Friday	12.30-1.10pm	Opt M/H/S/E-I (06/05/15/13)	Opt M/S/H/E V/V/IV/IV (14/12/8/17)	Opt M/S/H/E IX/IX/V/V (16)	Che-I (07)	Che-X (18)	Phys/Zoo XV/III (04)	B.M.S. (09)	P.B.M. (10)	Cost. Acc (11)
	1.20-2.00pm	Opt M/H/S/E-II (06/05/15/13)	Eco/Geo V (14/8/17)	Opt M/S/H/E X/X/V/VI (16)	Che-II (07)	Phys/Zoo IX (04)	Maths/Bot 501/XVII (12/16)	Acc (09)	M.M. (10)	A.F. A/c (11)
	10.00-10.40am	Eco/Geo-I (06/05)	Eco/Geo VI (15/17)	Eco/Geo IX (14/15)	Phys/Zoo I (07/04)	Phys/Zoo X (07/04)	Maths Bot 502/XVIII (12/16)	B.Entrn. (09)	-----	Audit (11)
15/09/2017 Friday	10.50-11.30am	Eco/Geo II (06/05)	Pol.Sci/Soci/ His V (06/15/14)	Eco/Geo X (14/15)	Phys/Zoo II (07/04)	Maths/Bot 301/IX (07/04)	Maths 505 (12)	B.Eco. (09)	B.R.F. (10)	M. Acc (11)
	11.40-12.20pm	Pol.Sci/Soci/ Hist I (05/08/06)	Pol.Sci/Soci/His VI(05/08/14)	Pol.Sci/Soci/ His IX(10/14)	Maths/Bot 101/II(4/6)	Maths/Bot 302/X(9/16)	Che XVIII(07)	Eng.Com (18)	-----	Indirect Tax(11)
	12.30-1.10pm	Pol./Soci/ His II(05/08/06)	-----	Pol.Sci/Soci/His X(05/08/14)	Maths/Bot 102/II(4/6)	Maths 303(09)	Che- XVIII(07)	-----	Eng. Com(18)	Banking (11)

Note: - Bracketed figure indicates the Hall Number.

Co-Ordinator
Internal Examination Cell
Jawahar Arts, Science & Commerce College,
Anadur, Tq.-Tullapur, Dist.-Osmanabad.

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



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

DEPARTMENT OF PHYSICS

Under the continuous Internal Evaluation (CIE)

Internal Unit Test No. 1 (First Term)


Academic Year –2017 -18


NOTICE

All the students of B.Sc. I, II and III year Physics are hereby to inform that, the time-table for the Semester I/III/V - Internal Unit Test 1 is scheduled as displayed in the table below. Students should appear for the exams accordingly.

Internal Unit Test Exam : Time-Table

Sr. No.	Day and Date	Class	Time	Paper No
1	14/09/2017	B.Sc. III	11.40-12.20	XVII
2	14/09/2017	B.Sc. III	12.30-1.10	XVIII
3	14/09/2017	B.Sc. II	1.20-2.00	IX
4	15/09/2017	B.Sc. I/B.Sc.II	10.00-10.40	I/ X
5	15/09/2017	B.Sc. I	10.50-11.30	II


Head
Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603.


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



Shikshan Prasarak Mansal's
Jawahar Arts, Science and Commerce College Anadur

Ta- Tuljapur Dist- Osmanabad 413603

Unit Examination Oct-2017

Class- B.Sc. I Year Subject- Physics

Paper No- I

Date-

Name Of Paper- **Mechanics & Properties of Matter**


Time-1.00 hour

Marks- 10

Q. 1 Obtain the expressions for gravitational potential and field due to spherical mass distribution of a solid sphere of mass M and radius R at a point inside it. 10

OR

Q. 1 Obtain the expressions for gravitational potential and field due to a solid sphere of mass M and radius R at a point outside it. 10


Head
Department of Physics
Jawahar Arts Science & Commerce College
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Shikshan Prasarak Mandal, Anadur's

Jawahar Arts, Science & Commerce College,

Anadur, Taluka- Tuljapur, Dist- Osmanabad.

NAAC- GRADE: B** CGPA: 2.81

Department of Physics

Faculty of Science and Technology

Question for Tutorial

B.Sc.- First Year

Semester- I

Subject- **Physics**

Paper Number- I

Paper Name- **Mechanics & Properties of Matter**

Marks -10

Time- One hour

Date- / /2017

Name of teacher- **Dr. S.V. Rajmane** (M.Sc. Ph. D.)

Q. 1 What is compound pendulum? Obtain an expression for the time-period of oscillation of a compound pendulum. 10

OR

Q.1 What is compound pendulum? Show that the centers of suspension and oscillation can be interchanged. 10


Department of Physics
Jawahar Arts Science & Commerce College
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INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 15/09/2017

Department of Physics

Presenty Report of Test/Tutorial

Class: B.Sc. I, Semester: I, Name of Paper: Mechanics & Properties of matter
Paper No. : I, Marks 10

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-02	Ab	26	AA-104	Ab	51	A		76		
2	-07	P	27	106	P	52			77		
3	08	P	28	107	P	53			78		
4	12	P	29	108	P	54			79		
5	18	P	30	112	P	55			80		
6	23	Ab	31	113	Ab	56			81		
7	25	P	32	114	P	57			82		
8	26	P	33	115	P	58			83		
9	28	P	34	116	P	59			84		
10	39	P	35	120	P	60			85		
11	47	P	36	122	Ab	61			86		
12	52	P	37	124	Ab	62			87		
13	53	P	38	136	P	63			88		
14	65	P	39	138	P	64			89		
15	70	P	40	141	Ab	65			90		
16	72	P	41	144	Ab	66			91		
17	73	Ab	42			67			92		
18	77	P	43			68			93		
19	81	Ab	44			69			94		
20	90	P	45			70			95		
21	91	Ab	46			71			96		
22	93	P	47			72			97		
23	94	Ab	48			73			98		
24	95	P	49			74			99		
25	102	P	50			75			100		

Number of student present-29 Number of students absent-12 Total students

Ray
D.S. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur,



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



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 25/09/2017

Department of Physics

Presenty Report of Test/Tutorial

Class: B.Sc. I, Semester: I, Name of Paper: Mechanics & Properties of matter
Paper No. : I, Marks 10

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-02	P	26	AA-104	P	51			76		
2	07	P	27	106	P	52			77		
3	08	P	28	107	P	53			78		
4	12	P	29	108	P	54			79		
5	18	P	30	112	P	55			80		
6	23	P	31	113	P	56			81		
7	25	P	32	114	P	57			82		
8	26	P	33	115	P	58			83		
9	28	P	34	116	P	59			84		
10	39	P	35	120	P	60			85		
11	47	P	36	123	P	61			86		
12	52	P	37	124	P	62			87		
13	53	P	38	136	P	63			88		
14	65	P	39	138	P	64			89		
15	70	P	40	141	P	65			90		
16	72	P	41	144	P	66			91		
17	73	P	42			67			92		
18	77	P	43			68			93		
19	81	P	44			69			94		
20	90	P	45			70			95		
21	91	P	46			71			96		
22	93	P	47			72			97		
23	94	P	48			73			98		
24	95	P	49			74			99		
25	102	P	50			75			100		

Number of student present- 41 Number of students absent- 00 Total students- 41

Saj
Dr. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur.



Shikshan Prasarak Mandal, Anadur's

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

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 15/09/2017

Department of Physics

Present-Absent Report of Test/Tutorial

Class: B.Sc. I

Semester: I, Time:

Name of Paper: Mechanics & Properties of matter

Paper No. : I, Marks: 10

Name of Invigilator: Dr. Sushantkumar Rajwade

Roll number of present Students	Roll number of absent Students	Total
AA-07, 08, 12, 18, 25, 26, 28 39, 47, 52, 53, 65, 70, 72, 77, 90, 93, 95, 102, 106, 107, 108, 112, 114, 115, 116 120, 136, 138,	AA-02, 23, 73, 81, 91 94, 104, 113, 123, 124 141, 144	
Total present Students = 29	Total absent Students = 12	41

Signature of Invigilator

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.

Jawahar Arts, Science and Commerce College, Andur

Internal Evaluation Report:- 2017 -18

Faculty:-Science

Class:-B.Sc.I

Subject:-Physics

Paper No:- I

Semester:-I

Name Of Professor:- Dr. S, V. Rajmane

Sr. No.	Roll No.	Marks		Total Marks	Sr. No.	Roll No.	Marks		Total Marks
		Test	Tutorial				Test	Tutorial	
1	AA-02	AB	8	8	31	AA-113	AB	7	7
2	AA-07	7	7	14	32	AA-114	8	9	17
3	AA-08	5	6	11	33	AA-115	7	8	15
4	AA-12	5	7	12	34	AA-116	5	7	12
5	AA-18	5	8	13	35	AA-120	5	7	12
6	AA-23	AB	6	6	36	AA-123	AB	6	6
7	AA-25	8	10	18	37	AA-124	AB	6	6
8	AA-26	8	10	18	38	AA-136	5	7	12
9	AA-28	9	9	18	39	AA-138	7	8	15
10	AA-39	5	8	13	40	AA-141	AB	6	6
11	AA-47	7	7	14	41	AA-144	AB	6	6
12	AA-52	9	9	18					
13	AA-53	6	8	14					
14	AA-65	6	7	13					
15	AA-70	5	7	12					
16	AA-72	6	8	14					
17	AA-73	AB	9	9					
18	AA-77	5	8	13					
19	AA-81	AB	8	8					
20	AA-90	5	7	12					
21	AA-91	AB	6	6					
22	AA-93	5	8	13					
23	AA-94	AB	7	7					
24	AA-95	6	7	13					
25	AA-102	7	Ab	7					
26	AA-104	AB	6	6					
27	AA-106	10	10	20					
28	AA-107	6	8	14					
29	AA-108	6	7	13					
30	AA-112	9	9	18					

Co-Ordinator

Internal Evaluation Cell

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

Dr. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur

PRINCIPAL

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



Shikshan Prasarak Mansal's

Jawahar Arts, Science and Commerce College Anadur

Ta- Tuljapur Dist- Osmanabad 413603

Unit Examination Oct-2017

Class- B.Sc. II Part- Physics

Paper No- VIII

Date-

Name Of Paper- **Modern Physics & Nuclear Physics**

Time-1.00 Hour


Marks- 10

Q.1 Obtain the relation of Richardson and Compton experiment obtain relation

between the velocity of photoelectrons and frequency of light. 10

OR

Q.1 Discuss the application of photoelectric cell. 10


Head
Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603.



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

Internal Evaluation Cell
Question for Tutorial
SEMISTER: III

Class: B.Sc. III Subject: Physics Paper No.: VIII Marks:10

Date: / / 17 Name of the Paper: Modern and Nuclear Physics.

Q.1. Prove that intensity of X- ray decreases exponentially with thickness of absorbing material.

OR

Q. 2 Write a note on Photovoltaic cell.

OR

Q.3. Write a note on application of photoelectric cell.

Ray
Head
Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603



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Anadur, Tq. Tuljapur, Dist- Osmanabad -413603



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 14/09/2017

Department of Physics

Presenty Report of Test/Tutorial

Class: B. Sc. II, Semester: III, Name of Paper: modern physics & Nuclear physics.
Paper No. : VII, 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	AB-04	P	26	AA-79	P	51			76		
2	05	AB	27	81	P	52			77		
3	06	P	28	82	P	53			78		
4	08	P	29	83	P	54			79		
5	10	P	30	84	P	55			80		
6	14	P	31	85	P	56			81		
7	17	P	32	86	P	57			82		
8	19	AB	33	87	AB	58			83		
9	27	P	34	91	P	59			84		
10	33	P	35	94	P	60			85		
11	37	P	36	95	P	61			86		
12	40	P	37	97	P	62			87		
13	43	P	38	98	P	63			88		
14	45	AB	39	106	P	64			89		
15	47	P	40	107	AB	65			90		
16	52	P	41	108	P	66			91		
17	53	P	42	112	P	67			92		
18	57	P	43	117	P	68			93		
19	62	AB	44	119	AB	69			94		
20	68	P	45	123	P	70			95		
21	69	P	46	124	AB	71			96		
22	71	P	47	125	P	72			97		
23	72	P	48			73			98		
24	75	P	49			74			99		
25	78	P	50			75			100		

Number of student present-39 Number of students absent-8 Total student-47
Dr. S. S. Shastri, Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur.



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



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 24/09/2017

Department of physics

Presenty Report of Test/Tutorial

Class: B.Sc-II, Semester: III, Name of Paper: modern physics & nuclear physics
Paper No. : XII, 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			26	AA-78	P	51			76		
2	AB-04	P	27	79	P	52			77		
3	05	P	28	81	P	53			78		
4	06	P	29	82	P	54			79		
5	08	P	30	83	P	55			80		
6	10	P	31	84	P	56			81		
7	14	P	32	85	P	57			82		
8	17	P	33	86	P	58			83		
9	19	P	34	87	P	59			84		
10	27	P	35	91	P	60			85		
11	33	P	36	94	P	61			86		
12	37	P	37	95	P	62			87		
13	40	P	38	97	P	63			88		
14	43	P	39	98	P	64			89		
15	45	P	40	106	P	65			90		
16	47	P	41	107	P	66			91		
17	52	P	42	108	P	67			92		
18	53	P	43	112	P	68			93		
19	57	P	44	119	P	69			94		
20	62	P	45	123	P	70			95		
21	68	P	46	124	P	71			96		
22	69	P	47	125	P	72			97		
23	71	P	48	117	P	73			98		
24	72	P	49			74			99		
25	75	P	50			75			100		

Number of student present-48 Number of students absent-00 Total students-48

Somasankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur



Shikshan Prasarak Mandal, Anadur's

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

Internal Evaluation 2017-2018

Date- 14/09/2017

Department of Physics

Present-Absent Report of Test/Tutorial

Class: B.Sc. II

Semester: III, Time:

Name of Paper: Medical Physics

Paper No. : VIII, Marks:

Name of Invigilator: Dr. Samsheer Kale Rajmane

Roll number of present Students	Roll number of absent Students	Total
AB-04, 06, 08, 10, 14, 17, 27, 33 37, 40, 43, 47, 52, 53, 57 68, 69, 71, 72, 75, 78, 79, 81 82, 83, 84, 85, 86, 91, 94 95, 97, 98, 106, 108, 112, 117, 123, 125	AB-05, 19, 45, 62, 97 107, 119, 124	
Total present Students = <u>39</u>	Total absent Students = <u>08</u>	<u>47</u>

Signature of Invigilator

Dr. Samsheer Kale
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.

Jawahar Arts, Science and Commerce College, Andur

Internal Evaluation Report:- 2017 -18

Faculty:-Science

Class:-B.Sc.II

Subject:-Physics

Paper No:- VIII

Semester:-III


Name Of Professor:- Dr. S, V. Rajmane

Sr. No.	Roll No.	Marks		Total Marks	Sr. No.	Roll No.	Marks		Total Marks
		Test	Tutorial				Test	Tutorial	
1	AB-04	6	8	14	36	AB-95	8	9	17
2	AB-05	AB	8	8	37	AB-97	7	8	15
3	AB-06	8	7	15	38	AB-98	6	8	14
4	AB-08	10	10	20	39	AB-106	8	8	16
5	AB-10	9	10	19	40	AB-107	AB	9	9
6	AB-14	10	10	20	41	AB-108	7	8	15
7	AB-17	6	6	12	42	AB-112	8	9	17
8	AB-19	AB	7	7	43	AB-117	6	8	14
9	AB-27	6	7	13	44	AB-119	AB	8	8
10	AB-33	7	7	14	45	AB-123	8	9	17
11	AB-37	7	8	15	46	AB-124	AB	8	8
12	AB-40	6	7	13	47	AB-125	8	9	17
13	AB-43	8	8	16					
14	AB-45	AB	8	8					
15	AB-47	10	10	20					
16	AB-52	7	8	15					
17	AB-53	7	8	15					
18	AB-57	6	8	14					
19	AB-62	AB	8	8					
20	AB-68	7	7	14					
21	AB-69	6	8	14					
22	AB-71	5	9	14					
23	AB-72	6	8	14					
24	AB-75	7	8	15					
25	AB-78	8	8	16					
26	AB-79	7	7	14					
27	AB-81	6	8	14					
28	AB-82	7	8	15					
29	AB-83	7	7	14					
30	AB-84	6	8	14					
31	AB-85	6	8	14					
32	AB-86	5	7	12					
33	AB-87	AB	6	6					
34	AB-91	7	8	15					
35	AB-94	6	7	13					


Co-Ordinator

Internal Evaluation Cell

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


Dr. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur


PRINCIPAL

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



Shikshan Prasarak Mansal's

Jawahar Arts, Science and Commerce College Anadur

Ta- Tuljapur Dist- Osmanabad 413603

Unit Examination Oct-2017

Class- B.Sc. III Subject- Physics

Paper No- XV

Date-

Name Of Paper- **Classical & Quantum Mechanics**


Time-1.00 Hours

Marks- 10

Q.1. State and prove D'Alembert's principal. Derive Langrange's equation
from D'Alembert's principal. 10

OR

Q.1. Derive Plank's radiation formula & show that Raleigh-Jean's law &
Wien's laws are special case of Plank's law. 10


Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603.



Shikshan Prasarak Mandal, Anadur's

Jawahar Arts, Science & Commerce College,

Anadur, Taluka- Tuljapur, Dist- Osmanabad.

NAAC- GRADE: B⁺⁺ CGPA: 2.81

Department of Physics

Faculty of Science and Technology

Question for Tutorial

B.Sc.- Third Year

Semester- V

Subject- **Physics**

Paper Number- XV

Paper Name- **Classical & Quantum Mechanics**

Marks -10

Time- One hour

Date- / /2017

Name of teacher- Dr. S.V. Rajmane (M.Sc. Ph. D.)

Q.1 Discuss the failure of classical physics to explain black body radiation. 10

OR

Q.1 Derive Plank's radiation formula & show that Raleigh Jean's law and

Wien's law are special case of Plank's law.

10

S.V. Rajmane
Head
Department of Physics
Jawahar Arts, Science & Commerce College
Anadur, Taluka- Tuljapur, Dist- Osmanabad, 431 503.



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



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 14/09/2017

Department of PHYSICS

Presenty Report of Test/Tutorial

Class: B.Sc. III, Semester: V, Name of Paper: Classical & Quantum mechanics
Paper No. : XV, Marks 10

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-05	AB	26	AC-36	P	51	AC-95	AB	76		
2	06	P	27	51	P	52	98	P	77		
3	07	P	28	55	P	53	100	P	78		
4	10	P	29	56	P	54	102	P	79		
5	11	P	30	57	P	55	109	AB	80		
6	13	AB	31	58	P	56	112	P	81		
7	14	P	32	59	AB	57	120	AB	82		
8	16	P	33	60	P	58			83		
9	23	P	34	61	P	59			84		
10	24	P	35	62	P	60			85		
11	26	P	36	63	P	61			86		
12	27	P	37	64	P	62			87		
13	28	P	38	66	P	63			88		
14	29	AB	39	67	P	64			89		
15	32	P	40	68	P	65			90		
16	34	P	41	73	P	66			91		
17	35	P	42	74	P	67			92		
18	37	P	43	75	P	68			93		
19	40	P	44	76	P	69			94		
20	42	P	45	78	AB	70			95		
21	44	AB	46	79	P	71			96		
22	45	P	47	84	P	72			97		
23	47	P	48	86	P	73			98		
24	48	P	49	91	P	74			99		
25	50	AB	50	92	P	75			100		

Number of student present- 47 Number of students absent- 10 Total students- 57

Signature
Dr. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur.



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



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 24/09/2017

Department of physics

Presenty Report of Test/Tutorial

Class: B.Sc. III, Semester: V, Name of Paper: Classical & Quantum mechanics
Paper No. : XV, Marks 10

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-05	P	26	AC-50	P	51	AC-95	P	76		
2	06	P	27	51	P	52	98	P	77		
3	07	P	28	56	P	53	100	P	78		
4	10	P	29	57	P	54	102	P	79		
5	11	P	30	58	P	55	109	P	80		
6	13	P	31	59	P	56	112	P	81		
7	14	P	32	60	P	57	120	P	82		
8	16	P	33	61	P	58			83		
9	23	P	34	62	P	59			84		
10	24	P	35	55	P	60			85		
11	26	P	36	63	P	61			86		
12	27	P	37	64	P	62			87		
13	28	P	38	66	P	63			88		
14	29	P	39	67	P	64			89		
15	32	P	40	68	P	65			90		
16	34	P	41	73	P	66			91		
17	35	P	42	74	P	67			92		
18	36	P	43	75	P	68			93		
19	37	P	44	76	P	69			94		
20	40	P	45	78	P	70			95		
21	42	P	46	79	P	71			96		
22	44	P	47	84	P	72			97		
23	45	P	48	86	P	73			98		
24	47	P	49	91	P	74			99		
25	48	P	50	92	P	75			100		

Number of student present-57 Number of students absent-00 Total students-57

Dr. Somsankar V. Rajmer
Head, Dept. of Physics
Jawahar ASC College, Anadur



Shikshan Prasarak Mandal, Anadur's

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

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-18

Date- 14/09/2017

Department of Physics

Present-Absent Report of Test/Tutorial

Class: B.Sc. III

Semester: V, Time:

Name of Paper: Classical Electrodynamics, Mechanics Paper No. : VI, Marks:

Name of Invigilator: Dr. Sureshkrishna Rajmase.

Roll number of present Students	Roll number of absent Students	Total
AC- 06, 07, 10, 11, 14, 16, 23, 24 26, 27, 28, 32, 34, 35, 36 37, 40, 42, 45, 47, 48, 51, 55, 56, 57, 58, 60, 61 62, 63, 64, 66, 67, 68, 73, 74, 75, 76, 79, 84, 86, 91 92, 98, 100, 102, 112,	AC- 05, 13, 29, 44, 50 59, 78, 95, 109, 120	
Total present Students = 48 47	Total absent Students = 10	57

Signature of Invigilator

Co-Ordinator

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

PRINCIPAL

Signature of Principal
College, Anadur,
Tal. Tuljapur, Dist. Osmanabad.

Jawahar Arts, Science and Commerce College, Anadur

Internal Evaluation Report:- 2017-18

Faculty:-Science

Class:-B.Sc.III

Subject:-Physics

Paper No:- XV

Semester:-V

Name Of Professor:- Dr. S, V. Rajmane

Sr. No.	Roll No.	Marks		Total Marks	Sr. No.	Roll No.	Marks		Total Marks
		Test	Tutorial				Test	Tutorial	
1	AC-05	AB	9		36	AC-63	9	10	
2	AC-06	7	8		37	AC-64	10	10	
3	AC-07	8	9		38	AC-66	10	10	
4	AC-10	9	9		39	AC-67	10	10	
5	AC-11	8	9		40	AC-68	8	10	
6	AC-13	AB	8		41	AC-73	9	10	
7	AC-14	8	9		42	AC-74	10	10	
8	AC-16	8	8		43	AC-75	5	8	
9	AC-23	9	9		44	AC-76	8	8	
10	AC-24	8	9		45	AC-78	AB	8	
11	AC-26	9	9		46	AC-79	8	9	
12	AC-27	8	8		47	AC-84	8	9	
13	AC-28	8	9		48	AC-86	8	8	
14	AC-29	AB	9		49	AC-91	9	8	
15	AC-32	8	8		50	AC-92	8	9	
16	AC-34	6	9		51	AC-95	AB	7	
17	AC-35	8	9		52	AC-98	8	9	
18	AC-36	7	8		53	AC-100	9	8	
19	AC-37	9	9		54	AC-102	8	7	
20	AC-40	8	9		55	AC-109	AB	9	
21	AC-42	8	9		56	AC-112	8	8	
22	AC-44	AB	8		57	AC-120	AB	7	
23	AC-45	9	0						
24	AC-47	8	9						
25	AC-48	7	9						
26	AC-50	AB	9						
27	AC-51	9	8						
28	AC-55	9	10						
29	AC-56	8	10						
30	AC-57	8	8						
31	AC-58	7	9						
32	AC-59	AB	8						
33	AC-60	6	9						
34	AC-61	8	9						
35	AC-62	9	10						


Co-Ordinator

Internal Evaluation Cell

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


Dr. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur.


PRINCIPAL

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

दुरितांचे 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 Guruji

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


☎ :- (02471) 246037, 246737

दि.

०९.०२.२०१८

सूचना

बी.ए./बी.एस्सी./बी.कॉम. (I,II,III) वर्षातील सर्व विद्यार्थ्यांना सूचित करण्यात येते की, अंतर्गत मूल्यमापन कार्यक्रम (२०१७-२०१८) नुसार द्वितीय घटक चाचणी दि.१४ व १५ फेब्रुवारी २०१८ रोजी घेण्यात येणार आहे. सदर घटक चाचणीचे वेळापत्रक सूचना फलकावर लावण्यात येईल याची सर्वांनी नोंद घ्यावी.



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


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

JAWAHAR ART'S, SCIENCE & COMMERCE COLLEGE ANADUR
TA- TULJAPUR, DIST-OSMANABAD
UNIT TEST-SECOND (2017-18)

Date & Day	Time	Faculty of Arts			Faculty of Science			Faculty of Commerce	
		B.A. II	B.A. III	B.Sc. II	B.Sc. III	B.Com. II	B.Com. III		
14/02/2018 Wednesday	10.00-10.40am	S.L. M/H/S (05/06/18)	-----	S.L. M/H/S (05/06/18)	-----	S.L. M/H/S (05/06/18)	-----		
	10.50-11.30am	Eng.Com (18)	Main M/H/S/E- XV (04) His/Eco/Geo/Pol/Soc XV-(5/6)	Eng.Com (07)	-----	-----	-----		
	11.40-12.20pm	Opt M/S/H/E VII/VII/IV/IV (6/9/10/11)	Main M/H/S/E- XVI (09) His/Eco/Geo/Pol/Soc XVI-(05)	Che-XIII (18)	Phy/Zoo XXI (04)	Acc (07)	-----		
	12.30-1.10pm	Opt M/S/H/E VIII/VIII/V/V (5/6/7/9)	Opt M/S/H/E XIII/XIII/VI/VI (16)	Che-XIV (18)	Phy/Zoo XXII (04)	O.B. (10)	Cost. Acc (11)		
	1.20-2.00pm	His/Eco/Geo VII/VIII (9/17/18)	Opt M/S/H/E XIV/XIV/II/VII (7)	Phy/Zoo XIII (04)	Maths/Bot 601/XXI (5/6)	M.M. (10)	I.T. (11)		
	10.00-10.40am	His/Eco/Geo VIII/IX (09/17/18)	His/Eco/Geo XIII/XXX (14/15)	Phy/Zoo XIV (04/07)	Maths/Bot 602/XXII (5/6)	I.T. (10)	Audit (11)		
15/02/2018 Thursday	10.50-11.30am	Pol.Sci/Soci-VII (07/09)	His/Eco/Geo -XIV (06/09/17)	Maths/Bot 401/XIII (04/05)	Maths 605 (18)	B.R.F. (10)	Acc (11)		
	11.40-12.20pm	Pol.Sci/Soci-VIII (04/09)	Pol.Sci/Soci-XIII (4/9)	Maths/Bot 402/XIV(18/6)	Che XXI(07)	-----	Direct Tax(11)		
	12.30-1.10pm	-----	Pol.Sci/Soci-XIV (05/08)	Maths 403(07)	Che-XXII (06)	Eng. Com(18)	Banking(11)		

Note: - Bracketed figure indicates the Hall Number.


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


PRINCIPAL
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 Tal. Tuljapur Dist. Osmanabad.



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

DEPARTMENT OF PHYSICS

Under the continuous Internal Evaluation (CIE)

Internal Unit Test No. II (Second Term)

Academic Year -2017 -18

NOTICE

All the students of B. Sc. I, II and III year Physics are hereby to inform that, the time-table for the Semester 1I/IV/VI - Internal Unit Test II is scheduled as displayed in the table below. Students should appear for the exams accordingly.

Internal Unit Test Exam : Time-Table

Sr. No.	Day and Date	Class	Time	Paper No
1	14/02/2018	B.Sc. III	11.40-12.20	XIX
2	14/02/2018	B.Sc. III	12.30-1.10	XX
3	14/02/2018	B.Sc. II	1.20-2.00	XI
4	15/02/2018	B.Sc. I/B.Sc.II	10.00-10.40	IV/ XII
5	15/02/2018	B.Sc. I	10.50-11.30	IV

Head
Head
Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603.

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



Shikshan Prasarak Mansal's

Jawahar Arts, Science and Commerce College Anadur

Ta- Tuljapur Dist- Osmanabad 413603

Unit Examination ~~Oct~~ **2017-18**

Class- B.Sc. I Subject- Physics

Paper No- ~~VIII~~ **V**


Date-

Name Of Paper- **Geometrical & Physical Optics**

Time-1.00 Hours

Marks- 10

- Q.1 For object at infinity, derive an expression for the equivalent focal length of two thin lenses placed coaxially in air and separated by a distance. 10
OR
- Q.1 For an axial point-object, derive an expression for the equivalent focal length of two thin lenses placed coaxially in air and separated by a distance. 10
OR
- Q.1 Give the construction of Huygen's eyepiece. Calculate its equivalent focal length and positions of cardinal points. 10


Head
Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603.



Shikshan Prasarak Mandal, Anadur's

Jawahar Arts, Science & Commerce College,

Anadur, Taluka- Tuljapur, Dist- Osmanabad.

NAAC- GRADE: B⁺⁺ CGPA: 2.81

Department of Physics

Faculty of Science and Technology

Question for Tutorial

B.Sc.- First Year

Semester- **II**

Subject- **Physics**

Paper Number- **IV**

Paper Name- **Geometrical & Physical Optics**

Marks -10

Time- One hour

Date- / /2018

Name of teacher- Dr. S.V. Rajmane (M.Sc. Ph. D.)

Q.1 In Huygen's eye piece focal length of eye lens is 5 cm. Find equivalent focal length of the eyepiece and positions of principal points. 10

OR

Q.1 In Ramsden's eye piece focal length of each lens is 6 cm. Find equivalent focal length of the eyepiece and positions of principal points. 10


Head
Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603.



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



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 15/02/2018

Department of Physics

Presenty Report of Test/Tutorial

Class: B.Sc. I, Semester: II, Name of Paper: Geometrical & Physical Optics
Paper No. : IV, Marks 10

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-02	P	26	AA-104	P	51			76		
2	07	P	27	106	P	52			77		
3	08	P	28	107	P	53			78		
4	12	P	29	108	P	54			79		
5	18	P	30	112	P	55			80		
6	23	Ab	31	113	P	56			81		
7	25	P	32	114	P	57			82		
8	26	P	33	115	P	58			83		
9	28	P	34	116	P	59			84		
10	39	P	35	120	P	60			85		
11	47	P	36	123	P	61			86		
12	52	P	37	124	P	62			87		
13	53	P	38	136	P	63			88		
14	65	P	39	138	P	64			89		
15	70	P	40	141	Ab	65			90		
16	72	P	41	144	P	66			91		
17	73	Ab	42			67			92		
18	77	P	43			68			93		
19	81	Ab	44			69			94		
20	90	P	45			70			95		
21	91	Ab	46			71			96		
22	93	P	47			72			97		
23	94	Ab	48			73			98		
24	95	P	49			74			99		
25	102	P	50			75			100		

Number of student present-35 Number of students absent-06 Total students-41
Dr. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur.



Shikshan Prasarak Mandal, Anadur's
Jawahar Arts, Science & Commerce College
Anadur, Tq. Tuljapur, Dist- Osmanabad -413608



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 20/02/2018

Department of Physics

Presenty Report of Test/Tutorial

Class: B.Sc. I, Semester: II, Name of Paper: Geometrical & Physical optics
Paper No. : IV, 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	AA-02	P	26	AA-104	P	51			76		
2	07	P	27	106	P	52			77		
3	08	P	28	107	P	53			78		
4	12	P	29	108	P	54			79		
5	18	P	30	112	P	55			80		
6	23	P	31	113	P	56			81		
7	25	P	32	114	P	57			82		
8	26	P	33	115	P	58			83		
9	28	P	34	116	P	59			84		
10	39	P	35	120	P	60			85		
11	47	P	36	123	P	61			86		
12	52	P	37	124	P	62			87		
13	53	P	38	136	P	63			88		
14	65	P	39	138	P	64			89		
15	70	P	40	141	P	65			90		
16	72	P	41	144	P	66			91		
17	73	P	42			67			92		
18	77	P	43			68			93		
19	81	P	44			69			94		
20	90	P	45			70			95		
21	91	P	46			71			96		
22	93	P	47			72			97		
23	94	P	48			73			98		
24	95	P	49			74			99		
25	102	P	50			75			100		

Number of student present-4/ Number of students absent-00 Total student-44
Dr. Anshant Singh Rajmane
Head, Dept. of Physics
Jawahar Arts College, Anadur.



Shikshan Prasarak Mandal, Anadur's

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

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-18

Date- 15/02/2018

Department of Physics

Present-Absent Report of Test/Tutorial

Class: B.Sc. I


Semester: II, Time:


Name of Paper: Geometrical & Physical Optics Paper No. : IV, Marks:

Name of Invigilator: Dr. Sureshkrishna Rajguru

Roll number of present Students	Roll number of absent Students	Total
AA- 02, 07, 08, 12, 18, 25, 26, 28, 39, 47, 52, 53, 65 70, 72, 77, 90, 93, 95, 102 104, 106, 107, 108, 112, 113, 114, 115, 116, 120, 123, 124 136, 144, 138	AA- 23, 73, 81, 91, 94 147,	
Total present Students = 35	Total absent Students = 66	41

Signature of Invigilator


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


PRINCIPAL
Jawahar Arts & 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 2017-2018

Department of Physics

Name of Teacher: Dr. Sureshankar Rajmane

Class: B.Sc. I, Semester: II, Name of Paper: Geometrical & Physical Optics
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-02	5	9	14	26	AA-104	04	06	10
2	07	6	8	14	27	106	08	09	17
3	08	4	7	11	28	107	05	07	12
4	12	6	8	14	29	108	6	7	13
5	18	6	9	15	30	112	8	8	16
6	23	Ab	7	7	31	113	7	Ab	7
7	25	9	9	18	32	114	8	7	15
8	26	7	9	16	33	115	7	8	15
9	28	8	9	17	34	116	4	7	11
10	39	6	7	13	35	120	4	6	10
11	47	5	8	13	36	123	6	Ab	6
12	52	10	10	20	37	124	5	5	10
13	53	7	9	16	38	136	5	7	12
14	65	Ap	7	11	39	138	7	8	15
15	70	5	7	12	40	141	Ab	6	6
16	72	6	8	14	41	144	7	Ab	7
17	73	Ab	10	10	42				
18	77	4	7	11	43				
19	81	Ab	9	9	44				
20	90	5	7	12	45				
21	91	Ab	6	6	46				
22	93	6	9	15	47				
23	94	Ab	7	7	48				
24	95	5	7	12	49				
25	102	7	Ab	7	50				

Co-Ordinator

Internal Evaluation Cell

Jawahar Arts, Science & Commerce College, Anadur, Dist. Osmanabad - 413 603.

Department of Physics

Jawahar Arts, Science & Commerce College

Anadur, Dist. Osmanabad - 413 603.

PRINCIPAL

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



Shikshan Prasarak Mansal's

Jawahar Arts, Science and Commerce College Anadur

Ta- Tuljapur Dist- Osmanabad 413603

Unit Examination Oct-2017

Class- B.Sc. II

Subject- Physics

Paper No- XI

Date-

Name Of Paper- **General Electronics**

Time-1.00 Hours

Marks- 10

Q.1 Sketch typical CE input characteristics curve for an NPN transistor.

Label all variables. Outline the procedure of calculating the input resistance at a given point from these curves.

10

OR

Q.1. Explain the construction and working of MOSFET

10

Head

Department of Physics

Jawahar Arts Science & Commerce College

Anadur, Dist. Osmanabad - 413 603.



Shikshan Prasarak Mandal, Anadur's

Jawahar Arts, Science & Commerce College,

Anadur, Taluka- Tuljapur, Dist- Osmanabad.

NAAC- GRADE: B⁺⁺ CGPA: 2.81

Department of Physics

Faculty of Science and Technology

Question for Tutorial

B.Sc.- Second Year

Semester- IV

Subject- **Physics**

Paper Number- XI

Paper Name- **General Electronics**

Marks -10

Time- One hour

Date- / /2019

Name of teacher- Dr. S.V. Rajmane (M.Sc. Ph. D.)

Q.1 What is faithful application. Explain the condition to be fulfilled to achieve faithful amplification in the transistor amplifier. 10

OR

Q.1 Describe the various method used for transistor biasing. State their advantages and disadvantages. 10


Head
Department of Physics
Jawahar Arts, Science & Commerce College
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Anadur, Tq. Tuljapur, Dist- Osmanabad -413603



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 14/02/2018

Department of Physics

Presenty Report of Test/Tutorial

Class: B.Sc. II, Semester: IV, Name of Paper: General Electronics,
Paper No. : 21, 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	AB-04	P	26	AB-29	P	51			76		
2	05	AB	27	81	P	52			77		
3	06	P	28	82	P	53			78		
4	08	P	29	83	P	54			79		
5	10	P	30	84	P	55			80		
6	14	P	31	85	P	56			81		
7	17	P	32	86	P	57			82		
8	19	AB	33	87	P	58			83		
9	27	P	34	91	P	59			84		
10	33	P	35	94	P	60			85		
11	37	P	36	95	P	61			86		
12	40	P	37	97	AB	62			87		
13	43	P	38	98	P	63			88		
14	45	AB	39	106	P	64			89		
15	47	P	40	107	AB	65			90		
16	52	P	41	108	P	66			91		
17	53	P	42	112	P	67			92		
18	57	P	43	117	P	68			93		
19	62	AB	44	119	AB	69			94		
20	68	P	45	123	P	70			95		
21	69	P	46	124	AB	71			96		
22	71	P	47	125	P	72			97		
23	72	P	48			73			98		
24	75	P	49			74			99		
25	78	P	50			75			100		

Number of student present-39 Number of students absent-08 Total students-47


Dr. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar Arts College, Anadur.



Shikshan Prasarak Mandal, Anadur's
Jawahar Arts, Science & Commerce College
Anadur, Tq. Tuljapur, Dist- Osmanabad -41360



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 20/02/2018

Department of PHYSICS

Presenty Report of Test/Tutorial

Class: B.Sc. II, Semester: IV, Name of Paper: General Electronics,
Paper No. : 21, 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	AB-04	P	26	AB-79	P	51			76		
2	05	P	27	81	P	52			77		
3	06	P	28	82	P	53			78		
4	08	P	29	83	P	54			79		
5	10	P	30	84	P	55			80		
6	14	P	31	85	P	56			81		
7	17	P	32	86	P	57			82		
8	19	P	33	87	P	58			83		
9	27	P	34	91	P	59			84		
10	33	P	35	94	P	60			85		
11	37	P	36	95	P	61			86		
12	40	P	37	97	P	62			87		
13	43	P	38	98	P	63			88		
14	45	P	39	106	P	64			89		
15	47	P	40	107	P	65			90		
16	52	P	41	108	P	66			91		
17	53	P	42	112	P	67			92		
18	57	P	43	117	P	68			93		
19	62	P	44	119	P	69			94		
20	68	P	45	123	P	70			95		
21	69	P	46	124	P	71			96		
22	71	P	47	125	P	72			97		
23	72	P	48			73			98		
24	75	P	49			74			99		
25	78	P	50			75			100		

Number of student present- 47 Number of students absent- 00 Total students- 47

Dr. Somshankar V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur.



Shikshan Prasarak Mandal, Anadur's

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

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-18

Date- 14/09/2018

Department of Physics

Present-Absent Report of Test/Tutorial

Class: B.Sc. II

Semester: IV, Time:

Name of Paper: Solid state physics

Paper No. : XII, Marks:

Name of Invigilator: Dr. Sureshbabu Rajwade

Roll number of present Students	Roll number of absent Students	Total
AB-04, 06, 08, 10, 14, 17, 27 33, 37, 40, 43, 47, 52, 53, 57, 68, 69, 71, 72, 75, 78, 79, 81, 82, 83 84, 85, 86, 91, 94, 95, 97, 98, 106, 108, 112, 117, 123, 125	AB-05, 19, 45, 62, 97, 107, 119, 124	
Total present Students = 39	Total absent Students = 08	47

Signature of Invigilator

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

Signature of Principal
Principal
Jawahar Arts, Science & Commerce
College, A
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 2017-18

Department of Physics

Name of Teacher: Dr. Sureshwaraj Rajmane

Class: B.Sc - II, Semester: II, Name of Paper: Solid state physics,
Paper No. : XII, Marks Test-10, Tutorial -10, Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AB-04	7	9	16	26	AB-79	6	5	11
2	05	Ab	9	9	27	81	5	8	13
3	06	7	9	16	28	82	6	5	11
4	08	09	9	18	29	83	7	8	15
5	10	9	8	17	30	84	5	8	13
6	14	09	9	18	31	85	6	8	14
7	17	7	7	14	32	86	5	5	10
8	19	Ab	9	9	33	97	Ab	8	8
9	27	7	6	13	34	91	6	7	13
10	33	8	8	16	35	94	5	7	12
11	37	8	7	15	36	95	7	10	17
12	40	7	6	13	37	97	6	7	13
13	43	8	9	17	38	98	6	8	14
14	45	Ab	9	9	39	106	7	8	15
15	47	8	8	16	40	107	Ab	9	9
16	52	8	7	15	41	108	6	5	11
17	53	6	8	14	42	112	9	9	18
18	57	5	8	13	43	117	5	6	11
19	62	Ab	9	9	44	119	Ab	9	9
20	68	6	7	13	45	128	7	8	15
21	69	7	8	15	46	124	Ab	9	9
22	71	5	9	14	47	125	7	8	15
23	72	7	9	16	48				
24	75	5	9	14	49				
25	78	7	7	14	50				

Co-Ordinator
Internal Evaluation Cell
Jawahar Arts, Science & Commerce College
Tuljapur

Department of Physics
Jawahar Arts, Science & Commerce College
Anadur, Dist. Osmanabad - 413 603
PRINCIPAL
Jawahar Arts, Science & Commerce College
Tuljapur, Dist. Osmanabad



Shikshan Prasarak Mandal, Anadur's

Jawahar Arts, Science & Commerce College,

Anadur, Taluka- Tuljapur, Dist- Osmanabad.

NAAC- GRADE: B** CGPA: 2.81

Department of Physics

Faculty of Science and Technology

Question for Tutorial

B.Sc.- Third Year

Semester- VI

Subject- **Physics**

Paper Number- XIX

Paper Name- **Atomic & Molecular Physics**

Marks -10

Time- One hour

Date- / /2017

Name of teacher- Dr. S.V. Rajmane (M.Sc. Ph. D.)

Q.1 Discuss the different series in Hydrogen spectra.


10

OR

Q.1 What is double fine structure. Explain how doublet found

in alkali line spectra.

10


Department of Physics
Jawahar Arts Science & Commerce College
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Shikshan Prasarak Mandal, Anadur's

Jawahar Arts, Science & Commerce College,

Anadur, Taluka- Tuljapur, Dist- Osmanabad.

NAAC- GRADE: B** CGPA: 2.81

Department of Physics

Faculty of Science and Technology

Question for ~~External~~ **Terminal Test** -

B.Sc.- Third Year

Semester- VI

Subject- **Physics**

Paper Number- XIX

Paper Name- **Atomic & Molecular Physics**

Marks -10

Time- One hour

Date- / /2018


Name of teacher- Dr. S.V. Rajmane (M.Sc. Ph. D.)

Q.1. Explain the singlet and triplet fine structure in alkaline earth spectra. 10

OR

Q.1. Explain L-S and J-J coupling.

10


Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603.



Shikshan Prasarak Mandal, Anadur's
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INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 14/02/2018

Department of PHYSICS

Presenty Report of Test/Tutorial

Class: B.Sc. III, Semester: VI, Name of Paper: Atomic & molecular physics
Paper No. : XIX, 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-06	P	26	AC-50	AB	51	AC-95	AB	76		
2	08	AB	27	51	P	52	98	P	77		
3	07	P	28	55	P	53	100	P	78		
4	10	P	29	56	P	54	102	P	79		
5	11	P	30	57	P	55	109	AB	80		
6	13	P	31	58	P	56	112	P	81		
7	14	P	32	59	AB	57	120	P	82		
8	16	P	33	60	P	58			83		
9	23	P	34	61	P	59			84		
10	24	P	35	62	P	60			85		
11	26	P	36	63	P	61			86		
12	27	P	37	64	P	62			87		
13	28	P	38	66	P	63			88		
14	29	AB	39	67	P	64			89		
15	32	P	40	68	P	65			90		
16	34	P	41	73	P	66			91		
17	35	P	42	74	P	67			92		
18	36	P	43	75	P	68			93		
19	37	P	44	76	P	69			94		
20	40	P	45	78	AB	70			95		
21	42	P	46	79	P	71			96		
22	44	AB	47	84	P	72			97		
23	45	P	48	86	P	73			98		
24	47	P	49	91	P	74			99		
25	48	P	50	92	P	75			100		

Number of student present 49 Number of students absent- 08 Total students

Dr. Somshanker V. Rajmane
Head, Dept. of Physics
Jawahar ASC College, Anadur.



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



INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 26/09/2018

Department of Physics

Presenty Report of Test/Tutorial

Class: B.Sc. III, Semester: VI, Name of Paper: Atomic & molecular Physics
Paper No. : XIX, 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-06	P	26	AC-50	P	51	AC-95	P	76		
2	08	P	27	51	P	52	98	P	77		
3	07	P	28	55	P	53	100	P	78		
4	10	P	29	56	P	54	102	P	79		
5	11	P	30	57	P	55	109	P	80		
6	13	P	31	58	P	56	112	P	81		
7	14	P	32	59	P	57	120	P	82		
8	16	P	33	60	P	58			83		
9	23	P	34	61	P	59			84		
10	24	P	35	62	P	60			85		
11	26	P	36	63	P	61			86		
12	27	P	37	64	P	62			87		
13	28	P	38	66	P	63			88		
14	29	P	39	67	P	64			89		
15	32	P	40	68	P	65			90		
16	34	P	41	73	P	66			91		
17	35	P	42	74	P	67			92		
18	36	P	43	75	P	68			93		
19	37	P	44	76	P	69			94		
20	40	P	45	78	P	70			95		
21	42	P	46	79	P	71			96		
22	44	P	47	84	P	72			97		
23	45	P	48	86	P	73			98		
24	47	P	49	91	P	74			99		
25	48	P	50	92	P	75			100		

Number of student present-56 Number of students absent-0 Total students-56

Dr. Somesh V. Rajmane
Head, Dept. Physics
Jawahar Arts College, Anadur.



Shikshan Prasarak Mandal, Anadur's

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

INTERNAL QUALITY ASSURANCE CELL

Internal Evaluation 2017-2018

Date- 14/02/2018

Department of PHYSICS

Present-Absent Report of Test/Tutorial

Class: B.Sc. III

Semester: VI, Time:

Name of Paper: Atomic & molecular physics Paper No. : XIX, Marks:

Name of Invigilator: Dr. Samskrat Rajguru

Roll number of present Students	Roll number of absent Students	Total
Ac- 06, 07, 10, 11, 13, 14, 16, 23, 24, 26, 27, 28, 32 34, 35, 36, 37, 40, 42, 45 47, 48, 49 , 51, 55, 56, 57 58, 60, 61, 62, 63, 64, 66, 67, 68, 73, 74, 75, 76, 79, 84 86, 91, 92, 98, 100, 102, 112 120	Ac- 08, 29, 44, 50, 59 78, 95, 98, 109, 110	
Total present Students = 49	Total absent Students = 08	57

Signature of Invigilator

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

Signature of Principal
Principal
Jawahar Arts, Science & Commerce
College,
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 2027-28

Department of Physics

Name of Teacher: Dr. Sushant Rajmane

Class: B.Sc. III, Semester: VI, Name of Paper: Atomic, molecular physics
 Paper No. : XIX, Marks Test-10, Tutorial -10, Total-20

Sr. No.	Roll. No	Test	Tutorial	Total	Sr. No.	Roll. No	Test	Tutorial	Total
1	AC-08	AB	8	8	26	AC-50	AB	9	9
2	06	6	7	13	27	51	5	5	10
3	07	7	8	15	28	55	4	8	12
4	10	8	8	16	29	56	3	9	12
5	11	7	8	15	30	57	5	9	14
6	13	8	AB	8	31	58	3	9	12
7	14	7	8	15	32	59	AB	9	9
8	16	7	7	14	33	60	5	5	10
9	23	8	8	16	34	61	4	9	13
10	24	7	8	15	35	62	3	8	11
11	26	8	8	16	36	63	6	6	12
12	27	7	7	14	37	64	5	8	13
13	28	7	8	15	38	66	2	9	11
14	29	AB	8	8	39	67	3	8	11
15	32	7	7	14	40	68	2	9	11
16	34	7	6	13	41	73	5	8	13
17	35	7	9	16	42	74	4	9	13
18	36	7	5	12	43	75	2	10	12
19	37	8	4	12	44	76	5	9	14
20	40	7	5	12	45	78	AB	9	9
21	42	7	2	9	46	79	6	5	11
22	44	AB	7	7	47	84	4	9	13
23	45	7	00	7	48	86	2	8	10
24	47	7	8	15	49	91	5	6	11
25	48	6	5	11	50	92	4	9	13

Sr. No.	Roll. No	Test	Tutorial	Total
51	AC-95	AD	9	9
52	98	4	9	13
53	100	5	8	13
54	102	6	8	14
55	109	AD	9	9
56	112	5	8	13
57	126	5	5	10
58				
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Sr. No.	Roll. No	Test	Tutorial	Total
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Co-Ordinator
 Internal Evaluation Cell
 Jawahar Arts, Science & Commerce College,
 Tal. Tuljapur, Dist. Osmanabad.

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



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

DEPARTMENT OF PHYSICS

Under the continuous Internal Evaluation (CIE)

Internal Unit Test No. I/II


Academic Year – 2017-18


OUTCOME REPORT OF INTERNAL EXAMINATION

The Department of Physics has conducted internal evaluation exam in the academic year 2017 - 2018 . This unit test of B.Sc. I, II, III year students was based on the syllabus of Sem. I, II, III, IV, V, VI Each Paper Carried 10 marks.

Conclusion:

1. Create the awareness regarding preparation of University exam among students.
2. It supported to develop answer writing skills of students.
3. Students understood the direction for study in the view of university exam.
4. Student got awareness regarding the importance of time in exam.


Head
Department of Physics
Jawahar Arts Science & Commerce College
Anadur, Dist. Osmanabad - 413 603.


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