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JAWAHAR ARTS, SCIENCE & COMMERCE COLLEGE

Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2018 - 2019, Department of Physics

Name of Teacher: Dr. A. B. Kadam

Subject: Physics, **Class:** B.Sc. I, **Total Period. :** 45

Semester: I, **Name of Paper:** Heat and Thermodynamics, **Paper No. :** II

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1.	June	10	Thermometry & Thermal conductivity: Types of thermometers, principle of thermometry, centigrade and Farenhait Scale, Transfer of heat, coeff. of thermal conductivity, Rectilinear flow of heat along a metal bar, methods of radial flow of heat. i) Spherical shell method ii) Flow of heat along the wall of cylindrical tube comparison of conductivities of conductivities of different metals		
2.	July	14	Real Gases: Introducn, Eqn of state, Reason for modification of gas eqn		

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2018 - 2019 Department of Physics

Name of Teacher: Dr. A. B. Kadam.

Subject: Physics, **Class:** B.Sc I, **Total Period. :** 48

Semester: I, **Name of Paper:** Heat and Thermodynamics **Paper No. :**

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
			vander waals eqn of state, zeroth law of thermodynamics, comparison with experimental curves, critical constants of vanderwaals eqn.		
	Aug. Sep.	15 04	Transport phenomena:- Introduction, mean free path, sphere of influence and expression for mean free path, variation of mean free path, variat with temp and press, transport phenomena, viscosity, thermal conductivity.	Lecture	
	Oct	09 04	Thermodynamics: Adiabatic, Isothermal Process, eqn for perfect gas	Lecture	

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2018 - 2019 **Department of** Physics

Name of Teacher: Dr. A. B. Kadam

Subject: Physics **, Class:** B. Sc I **, Total Period. :** 45

Semester: II **, Name of Paper:** Electricity & magnetism **, Paper No. :** V

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1.	Nov	11	vector Algebra	lecture chart	
2.	Dec.	11	Electrostatics	lecture chart.	

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Name of Teacher: Dr. A. B. Kadam.

Subject: Physics, **Class:** B.Sc I, **Total Period. :** 45

Semester: II, **Name of Paper:** , **Paper No. :** V

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
3	Jan	12	Dielectrics	Lecture	
4.	Feb March	11	magnetostatics	Lecture	

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Annual/Semester Teaching Plane, Academic Year 2018 - 2019 **Department of** Physics

Name of Teacher: Dr. A. B. Kadam

Subject: Physics, **Class:** B.Sc II, **Total Period. :** 45

Semester: III, **Name of Paper:** Mathematical Statistical physics and Relativity **Paper No. :** VII

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1.	June July	11	Differaction & ordinary differential eqn.	Lecture.	
2)	Aug	14	Statistical basis and classical Statestics	Lecture	

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2018 - 2019 Department of Physics

Name of Teacher: DE. A. B. Kadam.

Subject: Physics, **Class:** B.Sc II, **Total Period. :** 45

Semester: III, **Name of Paper:** , **Paper No. :** VII

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
3.	Sept	15	Quantum Statestics	lecture.	
4.	oct	13	Theory of relativity		

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Annual/Semester Teaching Plane, Academic Year 2018 - 2019, Department of Physics

Name of Teacher: Dr. A. B. Kadam

Subject: Physics, **Class:** B.Sc II, **Total Period. :** 45

Semester: IV, **Name of Paper:** solid state physics, **Paper No. :** 1

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
				Charts	
1.	Nov.	12	crystal structure	lecture	
2.	Dec.	12	Bonding and band theory of solids.	lecture	
3.	Jan	13	Thermal properties of solids.		
4.	Feb.				

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Annual/Semester Teaching Plane, Academic Year 2018 - 2019, Department of Physics

Name of Teacher: Dr. A. B. Kadam

Subject: Physics, **Class:** B.Sc III, **Total Period. :** 45

Semester: V, **Name of Paper:** Electromagnetics, **Paper No. :** XVI

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1.	June	11	Electromagnetics	lecture	
2.	July	14	Time varying field	Lecture	
3.	Aug	04 09	E. M waves III	Explaination method	
4.	Sept Oct	13	Free electron theory of solid & transfer properties	lecture	

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Name of Teacher: Dr. A. B. Kadam

Subject: Physics, **Class:** B.Sc III, **Total Period. :** 45

Semester: VI, **Name of Paper:** Non conventional energy sources and optical fiber **Paper No. :**

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1.	Nov	12	Non conventional energy sources	lecture, moder	
2)	Dec.	12	Solar photovoltaic cell.	charts, lecture	
3.	Jan	13	Introduction to optical fiber	chart lecture	

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Name of Teacher: Dr. A. B. Kadam

Subject: Physics, **Class:** B.Sc III, **Total Period. :** 45

Semester: VI, **Name of Paper:** _____, **Paper No. :** _____

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
4.	Feb	13	Fiber cabels and fabrications	Lecture	
5.	March	13	Introduc^n to E.M. waves with matter	Lecture	

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