



Estd. 1962
NAAC 'A' Grade

SHIVAJI UNIVERISTY, KOLHAPUR-416 004. MAHARASHTRA

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दुरध्वनी (ईपीएबीएक्स) २६०९०००० (अभ्यास मंडळे विभाग— २६०९०९४)

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SU/BOS/Science / 6155

Date : 18 /06/2019

The Principal,
All Affiliated Colleges/Institutions
Shivaji University, Kolhapur.

**Subject: Regarding minor change in the of B.Sc. Part-I Sem-2
Physics under the Faculty of Science & Technology.**

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the University have accepted and granted approval to the minor change in the of B.Sc.Part-I Sem-2 (Physics) as follows under the Faculty of Science and Technology which is enclosed herewith.

This minor change will be implemented from the academic year 2019-2020 i.e. from June 2019 onwards.

You are therefore, requested to bring this to the notice, all students and teachers concerned.

Thanking you,

Yours faithfully,

Dy. Registrar

Copy to :-

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|---|---|----|-------------------------------|
| 1 | The Dean, Faculty of Science & Technology | 8 | Appointment Section |
| 2 | The Chairman, Respective Ad-hoc Board | 9 | Centre for Distance Education |
| 3 | Exam Section | 10 | Computer Centre |
| 4 | Eligibility Section | 11 | Affiliation Section (U.G.) |
| 5 | B.Sc/M.Sc Section | 12 | Affiliation Section (P.G.) |
| 6 | O.E. II Section | 13 | P.G.Admission Section |
| 7 | O.E. III Section | 14 | P.G.Seminar Section |

B. Sc. Part – I Semester-II
PHYSICS-Paper-III
DSC- B-I ELECTRICITY AND MAGNETISM-I
 Theory: 30 Hours
 Marks-50 (Credits: 02)

(Old)	(New Minor Change)
<p>Unit-I Vector Analysis: Scalar and Vector product, gradient, divergence, Curl and their significance, Vector Integration, Line, surface and volume integrals of Vector fields, Gauss-divergence theorem and Stoke's theorem of vectors (statement only).</p>	<p>Unit-I Vector Analysis: Concept of triple product of vectors, scalar triple product, its significance, vector triple product, scalar and vector fields, gradient, divergence and their significance, Line integral, curl or vector field, its significance, surface and volume integrals of vector fields, Gauss divergence theorem, Stoke's theorem and Greens symmetrical theorem (Statement and proof of each theorem).</p>

B. Sc-I Paper- IV, Unit-III

(Old)	(New Minor Change)
<p>Unit-III 2.Magnetism: Magneto statics: Biot-Savart's law & its applications- straight conductor, circular coil, solenoid carrying current, Divergence and curl of magnetic field, Magnetic vector potential, Ampere's circuital law, Magnetic properties of materials: Magnetic intensity, magnetic induction, permeability, magnetic susceptibility, Brief introduction of dia-, para- and ferro-magnetic materials.</p>	<p>Unit-III 2.Magnetism: Magneto statics: Biot-Savart's law & its applications- straight conductor, circular coil, solenoid carrying current, Divergence and curl of magnetic field, Magnetic vector potential, Statement and proof of Ampere's theorem, Magnetic properties of materials: Magnetic intensity, magnetic induction, permeability, magnetic usceptibility, Brief introduction of dia-, para- and ferro-magnetic materials.</p>