

राजस्थान सरकार

प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर

डब्ल्यू-6 रेजीडेन्सी रोड, जोधपुर, फोन नं. 0291-2430440, 2636572 ई मेल bter.jodhpur@rajasthan.gov.in

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क्रमांक एफ 4(145) प्राशिम/पाविप्र/2020-21/ **2053**

दिनांक

19 APR 2021

प्रधानाचार्य,

समस्त, सम्बद्ध पॉलिटेक्निक महाविद्यालय,
द्वारा ई मेल।

विषय :- इंजीनियरिंग द्वितीय सेमेस्टर के पाठ्यक्रम में 20 प्रतिशत की कमी करने के सम्बन्ध में।

महोदय,

उपरोक्त विषयान्तर्गत लेख है कि निर्देशानुसार इंजीनियरिंग पाठ्यक्रमों के द्वितीय सेमेस्टर के पाठ्यक्रम में से संलग्नक - 1 के अनुसार यूनिट/टॉपिक केवल सत्र 2020-21 के लिए हटाये जाते हैं।

सत्र 2021-22 व आगामी सत्रों के लिए पूर्ण सेलेबस लागू रहेगा। इस वर्ष द्वितीय सेमेस्टर में किसी विषय/विषयों में अनुत्तीर्ण रहने वाले विद्यार्थियों को भी आगामी सत्र में बैक पेपर को उत्तीर्ण करने के लिए पूर्ण सेलेबस की परीक्षा ही देनी होगी। कृपया सभी सम्बन्धित को नोट करवाये व महाविद्यालय में नोटिस बोर्ड पर इसको चस्पा करें।

संलग्न : उपरोक्तानुसार।

(अंशु कुमार सहगल)

संयुक्त निदेशक एवं सचिव
दिनांक

क्रमांक एफ 4(145) प्राशिम/पाविप्र/2020-21/

प्रतिलिपि:- निम्न को वास्ते सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है :-

1. संयुक्त सचिव, तकनीकी शिक्षा विभाग, जयपुर।
2. संयुक्त निदेशक, ई-2, प्राविधिक शिक्षा निदेशालय, जोधपुर।
3. संयुक्त निदेशक (रजिस्ट्रार), प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर।
4. संयुक्त निदेशक (गोपनीय) प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर।
5. संयुक्त निदेशक (सामान्य), प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर।
6. विभागाध्यक्ष, (गोपनीय) प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर।
7. प्रभारी- परीक्षा शाखा/गोपनीय शाखा/कम्प्यूटर शाखा/सामान्य शाखा/पुस्तकालय प्राशिम., जोधपुर।
8. श्री रघुनाथ सिंह चौहान, शैक्षणिक अधिकारी एवं नोडल अधिकारी, प्राशिम., जोधपुर को भेजकर लेख है कि इस पाठ्यचर्या को मण्डल की वेबसाइट पर अविलम्ब अपलोड करना सुनिश्चित करावें।

(अंशु कुमार सहगल)

संयुक्त निदेशक एवं सचिव

Units/Topics to be Deleted for the Session 2020-21 Only
II Semester Diploma (All Engineering Branches)

Subject Code: 2001

Applied Mathematics-II

Unit No.	Unit Title	Topics to be removed for this session 2020-21 only
4	Circle and conics	4.1 General equation of a circle and its characteristics. 4.2 To find the equation of a circle, given: 4.2.1 Centre and radius, 4.2.2 Three points lying on it 4.2.3 Coordinates of end points of a diameter

Subject Code: 2002

Applied Physics-II

Unit No.	Unit Title	Topics to be removed for this session 2020-21 only
2	Optics	2.1 Basic optical laws 2.1.1 Reflection and refraction 2.1.2 Lens formula, power of lens (only formula) 2.2 Total internal reflection 2.2.1 Critical angle and conditions for total internal reflection 2.2.2 Applications of total internal reflection in optical fiber 2.3 Optical Instruments 2.3.1 Simple and compound microscope (introduction and uses)
4	Electromagnetism	4.4 Moving coil galvanometer:-principle, construction and working 4.4.1 Conversion of a galvanometer into ammeter and voltmeter

Subject Code : 2003

Introduction to IT Systems

Unit. No	Unit Title	Topic to be removed for this session 2020-21 only
1	Basic computer & internet skills	1.4 Awareness about Digital India portals (State and National Portals) and college portals.
2	Operating system	2.4 Brief Introduction to Unix Shell
3	Basics of web development	3.1 CSS : Introduction 3.1.1 Font Attributes 3.1.2 Colour, Background 3.2 Making basic personal webpage

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13	13	13 Demonstration of various digital payment methods (Net Banking, Digital Wallet, UPI etc)
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Subject Code: 2008 FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING LAB

Unit No.	Unit Title	Topics to be removed for this session 2020-21 only
4	Measurement of current, voltage, power and energy in AC and DC circuits.	Measurement of current, voltage, power and energy in AC and DC circuits.
9	Connect single phase transformer. Measure input and output quantities determine its transformation ratio.	Connect single phase transformer. Measure input and output quantities determine its transformation ratio.
12	Study and functioning of electric water pump and air cooler.	Study and functioning of electric water pump and air cooler.
17	Study of devices used in electronic workshop.	11.3 LCR Meter
18	Use of LCR meter to measure the value of given Capacitor and Inductor	Use of LCR meter to measure the value of given Capacitor and Inductor

Subject Code: 2009

ENGINEERING MECHANICS LAB.

Unit No.	Experiment No.	Topics to be removed for this session 2020-21 only
3	3	To determine coefficient of friction between two surfaces on 3.1 Horizontal plane 3.2 Inclined plane
11	11	Determination of Mechanical Advantage, velocity ratio, efficiency of second system of pulleys

Subject Code: 2010

ENVIRONMENTAL SCIENCE

Unit No.	Unit Title	Topics to be removed for this session 2020-21 only
4	Solid waste management iso 14000 & environmental management	4.1 General equation of a circle and its characteristics. 4.2 To find the equation of a circle, given: 4.2.1 Centre and radius, 4.2.2 Three points lying on it 4.2.3 Coordinates of end points of a diameter

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Subject Code: 2004 FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING

Unit No.	Unit Title	Topics to be removed for this session 2020-21 only
2	Overview of basic (analog) & digital electronics	2.3 Conductivity 2.1.31 carrier transport: diffusion & drift current, mobility, resistivity 2.3.2 generation and recombination of charge carriers, PN junction 2.4 Active components and their application 2.4.1 Diodes, VI Characteristics, forward and reverse bias 2.4.2 Bipolar Junction Transistors (BJT), PNP and NPN BJT, Characteristics.
5	Transformers	Principle of single phase transformer, transformation ratio and step up and step down transformers

Subject Code: 2005**ENGINEERING MECHANICS**

Unit No.	Unit Title	Topics to be removed for this session 2020-21 only
3	Friction	3.1 Friction and its relevance in Engineering 3.1.1 Types and laws of friction 3.1.2 Limiting equilibrium 3.1.3 Limiting friction 3.1.4 Coefficient of friction 3.1.5 Angle of Friction (Only theory) 3.1.6 Angle of repose (Only Theory) 3.1.7 Relation between coefficient of friction and angle of friction 3.2 Equilibrium of bodies on level surface subjected to 3.2.1 Force parallel to plane 3.2.2 Force inclined to plane

Subject Code: 2006**APPLIED PHYSICS II LAB**

Exp..	Experiment No.	Topics to be removed for this session 2020-21 only
	4,11 and 12	4.To determine focal length and magnifying power of a convex lens. 11.To convert a galvanometer into an ammeter. 12. To convert a galvanometer into a voltmeter.

Subject Code : 2007**INTRODUCTION TO IT SYSTEMSLAB**

Unit. No	Experiment Number	Topic to be removed for this session 2020-21 only
6	6	6 Install Linux operating system on lab machine and explore various options
12	12	12 Explore security features of Operating Systems and Tools.

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