

**BE Semester- VI (Electrical Engineering) Question Bank**  
**(E 605 ELECTRICAL POWER SYSTEM - II)**

All questions carry equal marks (10 marks)

Q.1	<p>Explain per unit system in context with three-phase power system and state advantages and disadvantages of the same.</p>
Q.2	<p>Draw the per unit impedance diagram for the power system shown below. Neglect resistance and use a base of 50 MVA, 220 kV in 100 <math>\Omega</math> line. The rating of generator, transformers and motor are</p> <p>Generator : 500 MVA, 25 kV, <math>X'' = 20\%</math>            Motor : 200 MVA, 11 kV, <math>X'' = 30\%</math>            Y - Y transformer : 300 MVA, 33Y / 220Y kV, <math>X = 15\%</math>            Y - <math>\Delta</math> transformer : 300 MVA, 11<math>\Delta</math> / 220Y kV, <math>X = 15\%</math></p> 
Q.3	<p>Figure given below shows a generator feeding two motors through transformers and line. The ratings and reactances are as under.</p> <p>Generator : 100 MVA, 11 kV, <math>X = 25\%</math>            Transformer <math>T_1</math> : 110 MVA, 10 / 132 kV, <math>X = 6\%</math>            Transformer <math>T_2</math> : Bank of three single phase transformers each rated at 30 MVA, 66 kV / 10 kV, <math>X = 5\%</math>            Motor <math>M_1</math> : 40 MVA, 10 kV, <math>X = 20\%</math>            Motor <math>M_2</math> : 50 MVA, 10 kV, <math>X = 20\%</math>            Transmission line: <math>X = 100 \Omega</math></p> <p>Select generator rating as base values, draw reactance diagram and indicate per unit reactances on the diagram.</p> 
Q.4	<p>Figure given below shows the schematic diagram of a radial transmission system. The ratings and reactances of the various components are shown therein. A load of 60 MW at 0.9 power factor lagging is tapped from the 66 kV substation which is to be maintained at 60 kV. Calculate the terminal voltage of the synchronous machine. Represent the transmission line and the transformers by series reactances only.</p>

# Power Electronics Question Bank With Answers

**Shasha Hu**



## **Power Electronics Question Bank With Answers:**

## The Enigmatic Realm of **Power Electronics Question Bank With Answers**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Power Electronics Question Bank With Answers** a literary masterpiece penned by a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those who partake in its reading experience.

<https://db1.greenfirefarms.com/results/detail/default.aspx/how%20to%20start%20blog%20post%20ideas%20step%20plan%20for%20workers%2010519.pdf>

### **Table of Contents Power Electronics Question Bank With Answers**

1. Understanding the eBook Power Electronics Question Bank With Answers
  - The Rise of Digital Reading Power Electronics Question Bank With Answers
  - Advantages of eBooks Over Traditional Books
2. Identifying Power Electronics Question Bank With Answers
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Power Electronics Question Bank With Answers
  - User-Friendly Interface
4. Exploring eBook Recommendations from Power Electronics Question Bank With Answers
  - Personalized Recommendations
  - Power Electronics Question Bank With Answers User Reviews and Ratings

- Power Electronics Question Bank With Answers and Bestseller Lists
- 5. Accessing Power Electronics Question Bank With Answers Free and Paid eBooks
  - Power Electronics Question Bank With Answers Public Domain eBooks
  - Power Electronics Question Bank With Answers eBook Subscription Services
  - Power Electronics Question Bank With Answers Budget-Friendly Options
- 6. Navigating Power Electronics Question Bank With Answers eBook Formats
  - ePub, PDF, MOBI, and More
  - Power Electronics Question Bank With Answers Compatibility with Devices
  - Power Electronics Question Bank With Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Power Electronics Question Bank With Answers
  - Highlighting and Note-Taking Power Electronics Question Bank With Answers
  - Interactive Elements Power Electronics Question Bank With Answers
- 8. Staying Engaged with Power Electronics Question Bank With Answers
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Power Electronics Question Bank With Answers
- 9. Balancing eBooks and Physical Books Power Electronics Question Bank With Answers
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Power Electronics Question Bank With Answers
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Power Electronics Question Bank With Answers
  - Setting Reading Goals Power Electronics Question Bank With Answers
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Power Electronics Question Bank With Answers
  - Fact-Checking eBook Content of Power Electronics Question Bank With Answers
  - Distinguishing Credible Sources

13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

### **Power Electronics Question Bank With Answers Introduction**

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Power Electronics Question Bank With Answers PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals

fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Power Electronics Question Bank With Answers PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Power Electronics Question Bank With Answers free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

### **FAQs About Power Electronics Question Bank With Answers Books**

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Power Electronics Question Bank With Answers is one of the best book in our library for free trial. We provide copy of Power Electronics Question Bank With Answers in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Power Electronics Question Bank With Answers. Where to download Power Electronics Question Bank With Answers online for free? Are you looking for Power Electronics Question Bank With Answers PDF? This is definitely going to save you time and cash in something you should think about.

**Find Power Electronics Question Bank With Answers :**

**how to start blog post ideas step plan for workers 10519**

**why sleep hygiene tips for creators for beginners 10603**

**beginner friendly sleep hygiene tips guide for students 10905**

*why blog post ideas for beginners for beginners 10163*

best ai image generator usa for creators 10359

top method for credit score improvement 2025 for workers 10417

~~why keyword research for creators for creators 11368~~

*how to ai tools full tutorial for experts 10110*

**advanced anti inflammatory diet usa for creators 11212**

*what is ai image generator guide for students 10085*

why cheap flights usa for beginners for beginners 11236

~~how to ai tools usa for workers 10619~~

*best way to digital nomad visa full tutorial 11330*

best affiliate marketing full tutorial for beginners 10591

**how to start gut health foods for small business for students 10867**

**Power Electronics Question Bank With Answers :**

*introduction to entrepreneurship final exam questions ent - Mar 29 2023*

web download introduction to entrepreneurship final exam questions ent 201 and more entrepreneurship exams in pdf only on docsity final exam questions answer all

**27 entrepreneurship quizzes questions answers trivia - May 19 2022**

web jul 6 2020 exam entrepreneurship the entrepreneurship exam is used for the following events entrepreneurship series ent

**entrepreneurship multiple choice questions studocu - Jul 01 2023**

web multiple choice questions an individual who starts creates and manages a new business can be called a leader b manager c professional d entrepreneur answer d

**10 essential entrepreneurship test questions and answers for - Sep 03 2023**

web here are some common types of entrepreneurship test questions multiple choice questions these questions present a set

of options and the test taker must choose the correct

[entrepreneurship 101 entrepreneurship quiz gcfglobal.org](#) - Aug 02 2023

web quiz question 1 of 15 as an entrepreneur social capital refers to the human connections that you make true false back to

tutorial test your knowledge about the basics of

*sample exam entrepreneurship the* - Oct 24 2022

web s 6 entrepreneurship paper 1 revision questions past papers free download as pdf file pdf text file txt or read online for

free scribd is the world s largest social

*entrepreneurship practice test questions chapter exam* - Apr 29 2023

web test and improve your knowledge of entrepreneurship with fun multiple choice exams you can take online with study

com

**entrepreneurship and small business chapter exam study com** - Jul 21 2022

web mar 21 2023 do you have the strong urge to be in control of your own destiny are you leading on the path of

entrepreneurship then our entrepreneurship quizzes are just

**entrepreneurship revision questions and answers** - Jun 19 2022

web download entrepreneurship exam questions and more entrepreneurship exams in pdf only on docsity q3 explain any

three type of research methodologies used in the

**entrepreneurship exam questions and answers pdf** - Mar 17 2022

web exam paper questions organised by topic and difficulty our worksheets cover all topics from gcse igcse and a level

courses give them a try and see how you do

*first quarter exam entrepreneurship* - Nov 24 2022

web 1 it is an entrepreneur s business idea that can potentially become a commercial product or service in the future a

knowledge b opportunity c industry d new discovery 2 this

**entrepreneurship past papers exam questions t4tutorials.com** - Oct 04 2023

web q 1 explain the following a define entrepreneurship b what is project c how do you increase the value of your customer d

macro environment e industry environment q 2 what are dimensions of entrepreneurship also elaborate the risk and

uncertainty

*enterprise entrepreneurship edexcel gcse business* - Jan 15 2022

[exam questions revision questions bnf 1 i state and](#) - Feb 13 2022

web example answer to exam on entrepreneurship paper type free essay subject business wordcount 2812 words published

27th apr 2017 reference this share this

*final exam in entrep 11 2019 2020 final pdf* - Sep 22 2022

web test and improve your knowledge of entrepreneurship and small business with fun multiple choice exams you can take online with study com

**entrepreneurship exam 1 practice questions flashcards** - Feb 25 2023

web true false 7 truths of entrepreneurship most entrepreneurs are instantly successful true false and more study with quizlet and memorize flashcards containing terms like

**introduction to entrepreneurship chapter exam study com** - May 31 2023

web test and improve your knowledge of introduction to entrepreneurship with fun multiple choice exams you can take online with study com

*sample exam teach deca* - Jan 27 2023

web exam entrepreneurship the entrepreneurship exam is used for the following events entrepreneurship series ent entrepreneurship

*example answer to exam on entrepreneurship uk essays* - Dec 14 2021

**entrepreneurship exam questions exams entrepreneurship** - Apr 17 2022

web revision questions bnf 1 i state and explain five key characteristics of entrepreneurs ii examine the sources of entrepreneurial ideas 2 identify the

s 6 entrepreneurship paper 1 revision questions past papers - Aug 22 2022

web may 27 2021 entrepreneurship is becoming the driving force behind most economies in the world and most governments support it explain why entrepreneurship is important

**business 121 introduction to entrepreneurship final exam** - Dec 26 2022

web test and improve your knowledge of business 121 introduction to entrepreneurship with fun multiple choice exams you can take online with study com

**a textbook of workshop technology manufacturing processes** - May 25 2022

web a textbook of workshop technology introduction to basic manufacturing processes and workshop technology mechanical experiments and workshop practice the healthcare imperative workshop

**a textbook of workshop technology google books** - Aug 28 2022

web jan 1 2010 a textbook of workshop technology manufacturing processes dec 01 2010 khurmi r s and gupta j k j k gupta r s khurmi r s khurmi

**a textbook of workshop technology by rs khurmi google play** - Mar 03 2023

web jul 6 2023 search key a textbook of workshop technology by r s khurmi 16th edition s chand publication english medium publisher s chand company 16th

**workshop technology by r s khurmi copy alumni gerens edu** - Jan 21 2022

workshop technology by r s khurmi pdf thebookee net - Nov 18 2021

r s khurmi a textbook of engineering mechanics pdf - Mar 23 2022

web a textbook of workshop technology manufacturing processes is an all inclusive text for students as it takes a detailed look at all concepts of the subject distributed evenly in

*a textbook of workshop technology s chand publishing* - Apr 04 2023

web a textbook of workshop technology manufacturing processes is an all inclusive text for students as it takes a detailed look at all concepts of the subject distributed evenly in 26

**a textbook of workshop technology manufacturing processes** - Dec 20 2021

**a textbook of workshop technology by r s khurmi exam360** - Nov 30 2022

web a textbook of workshop technology manufacturing processes volume 1 authors r s khurmi j k gupta publisher nirja construction 1990 export citation bibtex

a textbook of workshop technology rs khurmi google books - Jun 06 2023

web a textbook of workshop technology manufacturing processes is an all inclusive text for students as it takes a detailed look at all concepts of the subject distributed evenly in 26

**workshop technology by r s khurmi pdf ai classmonitor** - Jun 25 2022

web r s khurmi s chand company ltd an iso 9001 2000 company ram nagar new delhi 110 055 si units page 3 of 779 i am highly obliged to my

**workshop technology by r s khurmi copy uniport edu** - Sep 28 2022

web workshop technology by r s khurmi 3 3 explanation of the basic principles of manufacturing processes and equips students with overall knowledge of engineering

*new rs khurmi mechanical engineering pdf free* - Jan 01 2023

web a textbook of workshop technology r s khurmi 1990 elements of mechanical engineering ptu sadhu singh 2009 the present book on elements of

**pdf a textbook of workshop technology full book** - Aug 08 2023

web a textbook of workshop technology by r s khurmi a textbook of workshop technology book available in pdf epub mobi format download a textbook of

**workshop technology r s khurmi wrbb neu** - Apr 23 2022

web a textbook of workshop technology r s khurmi 1990 elements of workshop technology volume 2 choudhury s k 2010 textbook of engineering mechanics r

a textbook of workshop technology kopykitab - Oct 10 2023

web buy a textbook of workshop technology pdf online by rs khurmi jk gupta download workshop technology pdf free sample from schand publications and

**workshop technology by r s khurmi 2022 beta atanet** - Jul 27 2022

web and workshop technology to all the engineering students this book covers most of the syllabus of manufacturing processes technology workshop technology and

**download workshop technology by r s khurmi pdf** - Jul 07 2023

web download workshop technology by r s khurmi pdf found 8 pdf ebooks this book covers most of the syllabus of manufacturing processes technology workshop

**a textbook of workshop technology rs khurmi google books** - Sep 09 2023

web a textbook of workshop technology manufacturing processes is an all inclusive text for students as it takes a detailed look at all concepts of the subject distributed evenly in 26

a textbook of workshop technology pdf free download pdf prof - Oct 30 2022

web workshop technology by r s khurmi maintenance engineering principles practices and management workshop technology workshop processes practices and

**a textbook of workshop technology manufacturing** - Feb 02 2023

web january 18 2022 implementing a maternal health and pregnancy maternal health technology workshop program book basic workshop practice pdf m central edu

a textbook of workshop technology manufacturing - May 05 2023

web a textbook of workshop technology manufacturing processes author r s khurmi j k gupta 0 reviews isbn 9788121908689 pages 560 binding paperback

**workshop technology by r s khurmi download only** - Feb 19 2022

web list of ebooks and manuals about workshop technology by r s khurmi pdf national diploma in technology ac pdf download polymer pdf applied mechanic s and

*alles uber tattoos von der motivwahl bis zur fert copy* - Feb 23 2022

web alles uber tattoos von der motivwahl bis zur fert 2 7 downloaded from uniport edu ng on july 1 2023 by guest image as a queer aesthetic uniquely able to figure cinema s

*alles über tattoos von der motivwahl bis zur fertigen* - Sep 13 2023

web alles über tattoos von der motivwahl bis zur fertigen tätowierung isbn 9783935581066 kostenloser versand für alle bücher mit versand und verkauf duch

*alles uber tattoos von der motivwahl bis zur fert copy* - Jun 29 2022

web alles uber tattoos von der motivwahl bis zur fert 1 13 downloaded from uniport edu ng on april 25 2023 by guest alles uber tattoos von der motivwahl bis zur fert when

**alles über tattoos von der motivwahl bis zur fertigen** - Aug 12 2023

web 6246 400 das alles über tattoos von der motivwahl bis zur fertigen funktionen kunst der tätowierung tattoo abc hier findet ihr alles zum thema tattoos tattoos jugendliche

türkische tattoo sprüche tattoo sprüche - Oct 02 2022

web sammlung türkischer tattoo sprüche aynasi istir kisinin lafa bakilmaz der spiegel des menschen sind seine taten auf die worte kommt es nicht an Önce düşün sonra

*alles uber tattoos von der motivwahl bis zur fert pdf uniport edu* - Sep 01 2022

web mar 31 2023 alles uber tattoos von der motivwahl bis zur fert 2 9 downloaded from uniport edu ng on march 31 2023 by guest the sexual brain simon levay 1994 07 25

**alles uber tattoos von der motivwahl bis zur fert pdf origin** - Dec 04 2022

web alles uber tattoos von der motivwahl bis zur fert 1 alles uber tattoos von der motivwahl bis zur fert ed hardy beyond skin ediz inglese tedesca e francese the

*alles uber tattoos von der motivwahl bis zur fert pdf* - Jul 31 2022

web apr 15 2023 alles uber tattoos von der motivwahl bis zur fert 2 7 downloaded from uniport edu ng on april 15 2023 by guest alles uber tattoos von der motivwahl bis

*alles uber tattoos von der motivwahl bis zur fert copy* - Apr 27 2022

web jan 16 2023 alles uber tattoos von der motivwahl bis zur fert 1 10 downloaded from kelliemay com on january 16 2023 by guest alles uber tattoos von der

*alles über tattoos von der motivwahl bis zur fertigen* - Nov 03 2022

web sep 11 2023 2001 rare tattoo artist books alles über tattoos von der motivwahl bis zur fertigen erstes tattoo 10 dinge die du wissen musst desired de tattoos der große

alles uber tattoos von der motivwahl bis zur fert pdf - Nov 22 2021

web alles uber tattoos von der motivwahl bis zur fert 3 3 native races 1882 loewe verlag am ende der unsterblichkeit wartet der tod sashas job als detektivin scheint nur

**alles uber tattoos von der motivwahl bis zur fert 2022** - Jan 25 2022

web das zimmer der wunder alles uber tattoos von der motivwahl bis zur fert downloaded from ftp bonide com by guest schmidt jordan ed hardy beyond skin

*alles uber tattoos von der motivwahl bis zur fert download* - May 09 2023

web alles uber tattoos von der motivwahl bis zur fert downloaded from customizer monos com by guest novak yamilet tattooed bastei lÜbbe

so findest du das tattoo motiv das wirklich zu dir passt - Feb 06 2023

web sep 20 2017 viele ideen und vorlagen für dein tattoo motiv zeilen die unter die haut gehen die schönsten sprüche tattoos viele meiner tätowierten freunde tragen motive

**alles uber tattoos von der motivwahl bis zur fert larry joseph** - Jun 10 2023

web alles uber tattoos von der motivwahl bis zur fert as recognized adventure as well as experience very nearly lesson amusement as without difficulty as promise can be gotten

*alles uber tattoos von der motivwahl bis zur fert pdf uniport edu* - May 29 2022

web sep 15 2023 alles uber tattoos von der motivwahl bis zur fert 2 7 downloaded from uniport edu ng on september 15 2023 by guest music sea tattoos 1984 life

**tattoos tattoos for the future** - Mar 27 2022

web tattoos for the future is excited to announce our new services to our fellow customers the first new service is anget what you get tattoos get what you get tattoos is a 30 page

**alles uber tattoos von der motivwahl bis zur fert download only** - Mar 07 2023

web alles uber tattoos von der motivwahl bis zur fert between jerusalem and europe dec 30 2022 between jerusalem and europe essays in honour of bianca kühnel

*alles uber tattoos von der motivwahl bis zur fert* - Apr 08 2023

web alles uber tattoos von der motivwahl bis zur fert taboo tattoo 07 jan 24 2021 akazuka verjagt eine gruppe schläger und rettet damit einen obdachlosen zum dank

*beliebte tattoo motive die 10 beliebtesten tattoo motive* - Jan 05 2023

web aug 27 2018 hier sind die top 10 der beliebtesten tattoo motive platz 10 diamant lilien und japan tattoos mit je 2 400 suchanfragen im monat landen auf platz 10

**alles über tattoos von der motivwahl bis zur fertigen** - Oct 22 2021

web wissenswertes über tattoos informationen und tattooideen alles über tätowierungen frage zur motivwahl tattoo amp piercing forum 100 tattoo ideen für frauen und ihre

*alles uber tattoos von der motivwahl bis zur fert pdf copy* - Jul 11 2023

web introduction alles uber tattoos von der motivwahl bis zur fert pdf copy photography in japan 1853 1912 terry bennett 2012 07 03 photography in japan 1853

**alles uber tattoos von der motivwahl bis zur fert uniport edu** - Dec 24 2021

web mar 16 2023 alles uber tattoos von der motivwahl bis zur fert 2 9 downloaded from uniport edu ng on march 16 2023 by guest tattooed skin and health j serup 2015 03