KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS TIDAR
FAKULTAS TEKNIK
Alamat : Jalan Kapten Suparman 39 Magelang 56116
Telp. (0293) 364113 Fax. (0293) 362438
Laman : www.untidar.ac.id Surel : elektro@untidar.ac.id

FINAL TEST OF ODD SEMESTER
ACADEMIC YEAR 2020/2021

Soal telah ditelaah oleh:		
Reviewer 1	*Reviewer 2*	*Reviewer 3*

COURSE/CODE : English/071101
LECTURER : Susanti Malasari, M. Hum.
CREDITS/SEMESTER : 2 credits/1
CLASS : 1, 2 & 3
DAY/DATE :
TIME : 100 minutes
STUDY PROGRAM : Electrical Engineering

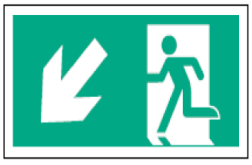
Instructions

a. *Pray before you do the test.*
b. *Do the test on the test paper*
c. *Set your mobile phone into silent mode.*
d. *Remove all books and scraps of paper from the desks and classroom. Unauthorized materials are not allowed.*
e. *The exam-invigilator reserves the right to expell any students from the room if he/she misbehaves during the examination.*
f. *Read the instructions carefully immediately upon receiving the question paper*
g. *Students are reminded to leave quietly and do not disturb the other students who might still be sitting for their paper.*
h. *Students must stop writing immediately when told to do so by the invigilator at the end of the paper.*
i. *Students who do cheating will get zero score*.

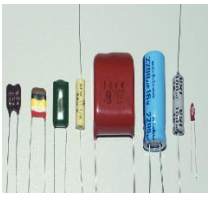
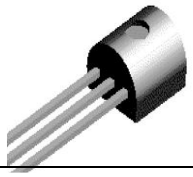
A. Answer each question correctly! (Score: 20)

1. Mention 6 types of electrical hazard!
2. How to maintain safe distance from overhead powerlines?
3. Why do you think improper repair can cause electrical hazard?
4. Mention 5 tool safety tips!
5. Mention 5 requirements to protect workers!

B. Answer each question correctly! (Score: 30)

1. What is the meaning/purpose of each safety color?
   a. red :
   b. yellow amber :
   c. green :
   d. blue :
2. What information does a fire safety sign provide?
3. Why sholud an accoustic sign be set at a level which is higer in terms of frequency than the ambient noise?
4. How should a signboard be designed?
5. Explain the meaning of each type of signboard by using your own words!
   a. Prohibition sign
   b. Mandatory sign
   c. Warning sign
   d. Emergency exit or first aid sign
6. Write the meaning of each sign!
   a. = _____
   b. = _____
   c.  = _____
   d. = _____

C. Write the name of each electrical components and explain it by using your own words! (Score: 20)

No.		Name	Explanation
1.			
2.			
3.			
4.			
5.			

D. Fill in the missing words in the application letter below with the provided words in the box below! (Score: 10)

internship	awards	position	important	opportunity
relevant	valuable	qualifications	information	graduate

1 Jones Plaza
Houston, TX 57589

February 15, 2015

Ms. Michela Anton
Senior Vice President
Anchor Systems, Ltd.
345 First Avenue
New York, NY 10004
444-555-7777
www.anchorsys.com

Dear Ms. Anton:
I am interested in applying for the full-time Electrical Engineering II 1._____ with Anchor Systems, Ltd., currently listed on the University of Houston UCS Cougar Pathway. As a recent 2._____ with a Bachelor of Science in Electrical Engineering and a minor in finance and economics, my academic background, coupled with my 3._____work experience, has provided me with the tools and skills necessary to add value to the position, and ultimately your organization.

I secured an IT Analyst 4._____with First Allied in the summer of my sophomore year and gained exposure to the financial industry while enhancing their software by developing search subroutines and uploading script modules. As a junior, I served as Treasurer of the UH Chapter of IEEE, where I not only gained 5. _____ leadership experience but through diligent networking and follow through, amassed the largest chapter donation of $100K in the history of the organization. During my senior year, I obtained additional internship experience at ProsThets, where I received 6. _____ training from a team of electrical, computer and mechanical engineers working on exclusive FDA funded nanotechnology for cutting edge prosthetic devices. I have also earned several 7. _____ while attending UH, including the Bausch and Lomb Award for Excellence in Science in June 2012 and maintained my status on the Dean's List consecutively from fall 2011 through fall 2015.

Please find my attached résumé, which provides full details of my 8. _____. Feel free to contact me at (281) 832-7130 or at 2cool@gmail.com for any additional 9. _____ you may require. I appreciate your consideration and look forward to further discussing the Electrical Engineering II 10. _____ with you.

Sincerely,

Jeremy Coolidge, II

Jeremy Coolidge, II

E. Read the CV below and answer the questions that follow!(Score: 10)

JOE BLOGGS
Apartment 2, Cobh, Co. Cork / Mob: 086 1234567 / E-mail: j.bloggs@yahoo.com

PROFILE

I am a highly motivated and hard working man with excellent academic qualifications and appropriate work experience in the Construction and Electronics sectors. I work very well in a team, have excellent communication and organizational skills and enjoy encouraging and motivating others.

EDUCATION

Bachelor of Electrical Engineering 1999 – 2003
Cork Institute of Technology (1st Class Honours)

Final Year Subjects:
Applied Power Electronics & Motion, Digital Signal Processing, Electrical & Electronic Power Systems, Telecommunications, Microwave Electronics, Control Engineering

Final Year Project:
Team project which investigated telecomunication system. Researched data, gained an in-depth knowledge of telecommunications. Used C++ and LINUX Operating System. Prepared and delivered a presentation to the lecturer and classmates.

Other Projects:
Wrote programs in C, C++ and in VHDL code for digital signal processing. Implemented filters using micro converter code. Built, tested and debugged circuits.

Leaving Certificate: 500 Points including an A1 in Honours Physics 1993 – 1999

RELEVANT EMPLOYMENT

Assistant Engineer – ABC Construction Contractors, Co. Galway 2003 – 2004

- Liaised with Engineers and reported to the Project Manager on all tasks.
- Conducted demolition work which included working with dangerous chemicals such as asbestos.
- Completed survey work using laser instruments.
- Ensured health & safety procedures were adhered to and reported any breaches.

Trainee Engineer – Robinson Electronic Design Services, Co. Cork 2002 – 2003

- Reported to the Senior Engineer at the weekly team meeting.
- Assisted with the designing and building of web pages.
- Liaised with engineering staff on all aspects of web content relevant to the industry sector.
- Trained on Microsoft Front Page Editor for web design.

OTHER EMPLOYMENT

Information Assistant – Aura Gym, Fermoy 1999 – 2002

- Checked membership cards at the information desk.
- Provided assistance and information to customers.
- Collected money for aerobics and yoga classes.
- Managed special group bookings of facilities.

SKILLS

Technical:
Working knowledge of programming languages, C, C++. Highly proficient at Access, Excel, Word & PowerPoint. Knowledge of Matamatica and Electronics Workbench and experience of HTML, VHDL and assembly code.

Presentation:
Produce reports and presentations to a professional standard.

Analysis & Evaluation:
Proficient in assessing data and formulating solutions.

Organisational:
Effective at time management and prioritising tasks to achieve deadlines.

Communication:
Strong team working, leadership and communication skills.

INTERESTS & ACHIEVEMENTS

Travel:
Widespread travel through Australia and Asia during 2003-2004. This included periods of travelling on my own.

Sport:
Member of Bishopstown Gym and play football and rugby regularly. Involved in coaching local rugby team.

Music:
Play guitar and give guitar lessons.

Driving:
Full, clean driving license.

REFERENCES

Available on request

Answer these questions!

1. Who wrote the CV?
2. How is his profile described?
3. Which university did he go to?
4. What subject did he study?
5. What project did he prepare and present to the lecturer and classmates?
6. What were his responsibilities when he was an assistant engineer?
7. How long did he work for Robinson Electronic Design Services, Co. Cork?
8. What was his job in 1999 – 2002?
9. What does he think his strengths are?
10. What does he do in his free time?

F. There are ten success factors most employers look for in job candidates. Please expain each of the following factor by using your own words! (Score: 10)

a. Communicatin skills
b. Problem solving
c. Teamwork and team leadership
d. Decision making
e. Innovative thinking

Do your best and God will do the rest

Dengan hormat,Bersama dengan pesan ini, kami bermaksud untuk menyampaikan kuisioner evaluasi perkuliahan Jurusan Teknik Elektro
https://docs.google.com/forms/d/e/1FAIpQLSeNXeCvyYWj9EaCDBdimpRb6T6hUjL0tgoeuyOPFxIfTyk-Fg/viewform?usp=sf_