

2022 Cambridge National in IT Exam Revision Timetable

Student Name:

We will be asking you to revise different topics from RO12. You MUST make revision notes. Remember revision must mean you make your own notes so choose your preferred technique well. Do not just read your notes, this will only help you a remember for a short time and you will not remember everything. It is always best to do something with your notes, rewriting them or testing yourself will help much more.

Make sure you look at the Advanced Information sheet, you don't need to revise everything from the Specification or in the Revision Guides. Below is a week by week focus for your revision taking into account the parts that won't be in the exam

Exam

You will have 1 exam paper to do. This will be 1 hours 45 minutes in length.

RO12 – Understanding tools, techniques, methods and processes for technological solutions – Tuesday PM 17th May (50% of final grade).

Resources

- All students have been given a Revision for the exam (white book)
- Showbie has all the work you have done in class for this unit with lots of links and information.
- www.erevision.uk – this has many exercises that you can do to check your understanding.

What to revise – a suggested guide	Revised & Tested?	Any Problems?
Week 1 wb 28/03 1.2 The interaction and iteration between the phases of the project life cycle: <ol style="list-style-type: none"> 1. iterative reviews occur throughout the project life cycle at the end of every phase 2. the output from the reviews are the inputs into the next phase or they inform actions to be implemented within the current phase 		
Week 2 wb 04/04 1.3 The inputs and outputs of each phase of the project life cycle. Remember to table of Inputs and Outputs for each of the 4 phases.		
Easter Holiday (2 weeks) 1.5 Planning tools and the software types used to develop project plans. <ol style="list-style-type: none"> 1. Purpose of planning tools 2. components of planning tools 3. Advantages and Disadvantages 4. Software types used. Exam Question Technique		
Week 5 wb 25/04 3.1.2 Data types and appropriateness of the use of these in a given context. Text, alphanumeric, numeric date/time, limited choice, object and Boolean. 3.3.1 The methods used to collect data and store data and information, and the appropriateness of the use if these in a given context. <ol style="list-style-type: none"> 1. Methods to collect and store. 2. appropriateness of methods 3.3.2 IT used to support data collection and the use in a given context Barcode/QR code readers, web-based surveys, wearable and mobile tech 3.5.1 The use of data in a given context, including Big Data. What is big data and how do we use data? 3.5.3 Benefits and drawbacks of the use of data. How it can affect society, errors that can occur and how it helps		

<p>Week 6 wb 02/05</p> <p>4.1 Types of Threats. 3. Social engineering – Phishing, pretexting, baiting, quid pro quo, tailgating and shoulder surfing. 6. Pharming</p> <p>4.2 The vulnerabilities which can be exploited in a cyber security attack. Environment, Physical and System.</p> <p>4.3.1 The impact of a cyber-security attack. DoS, ID theft, data destruction, manipulation, modification, and theft.</p> <p>4.4.2 Logical Prevention measures. Access rights and permissions, anti-virus, encryption, backups, emerging methods.</p> <p>4.5.1 Current legal protection legislation. GDPR, Copyright, Design and Patent Act, Computer Misuse Act</p> <p>4.5.2 Ethical and moral issues with regard to current legislation. Avoiding defamation of character, misuse of data and equipment.</p>		
<p>Week 7 wb 09/05</p> <p>6.2.2 The purpose and suitability of methods of presenting information. a) Target Audience – demographics and visibility e) selecting how the information is shared across distribution channels by individuals or organisations. Email, social media, web sites, VOIP, multimedia, Cloud, Mobile Apps. f) Selection of presentation methods – reports, presentations, graphs, tables, etc.</p> <p>6.2.3 The advantage and disadvantages of methods used for presenting information. Internet, speed, power, access and cost.</p> <p>6.3 The resources required for presenting information and the appropriateness of the use of these in context. Hardware, software and connectivity requirements.</p>		
<p>Week 8 wb 16/05</p> <p>Exam Technique RO12 exam takes place on Tuesday 17th May in the afternoon.</p>		

To help you revise you can come to L24 after school on Monday and Tuesday of each week. Subject teachers will be there to help you access revision and answer any questions.

Each week we will look at elements from the Revision Schedule.

If you aren't keeping on top of your revision, then I may request that you attend the after school session.

Sessions run from 3.30pm until 4.30pm in L24.