

CS2022 ASSIGNMENT 01 (Due Date: Sept 09, 2022)

Instructions: Answer all questions and compile your answers in a WORD or PDF file. Then, you have to submit the answer file to the Gmail account (csformgtncchu@gmail.com) before the due date.

Please be reminded that (i) the format of the email heading, (ii) the format of the file name and (iii) the exact time of the 'due date' have to follow firmly to the instructions specified in the document 'Class Schedule and Code of Conduct'. If you fail to do any one of it, your assignment submission will be ignored.

Question 1

- (a) What is the full name (in English) of the instructor of this class?
- (b) The instructor has earned three degrees, including a BEng, a MPhil and a PhD. State the years when and the universities where the instructor obtained the degrees.
- (c) Where is the birthplace of the instructor?
- (d) For how many years the instructor have been living in Taiwan?
- (e) If a student would like to apply for a leave or enquiry for information regarding the course, which email account should the email to be sent?
- (f) If a student would like to submit the answer file of an assignment, which email account should the file to be sent?
- (g) In accordance with the 'Code of Conduct', are you allowed to use a computer, a cell phone or calculator in the classroom?
- (h) If happen to be, a student is waiting for an urgent call. What he/she should do?
- (i) If happen to be, a student is needed to eat something. What he/she should do?

- (j) Normally, a student has to supply medical certificate to prove for his/her sick leave. Under one condition, a female student has no need to supply any proof for sick leave. The female student has only to email to the instructor about the leave/absent. What condition is it?
- (k) What is the full name of this course in English?
- (l) What is the title of the textbook, if any, for this course?
- (m) Tentatively, how many assignments a student has to complete in this class?
- (n) Under what condition(s), a student will get 'ZERO' in his/her final score.
- (o) While you send an email, you would need to add the email addresses on the 'TO' list. Sometimes, you might need to add some email addresses on the 'CC' list. In a formal letter, what a 'TO' recipient should do and what a 'CC' recipient should do?

Question 2

- (a) State the names of five software which are commonly installed in a notebook computer (or desktop computer).
- (b) State the names of five APPs which are commonly installed in a cell phone.
- (c) Imagine that there is no more electricity supply in the world. How would you compile the answers and how would you submit them to me?
- (d) Imagine that there is no more electricity supply in the world. How would you communicate with your families and friends?

Question 3

- (a) You are given a set of 9 balls. All of them look the same. Eight of them weight 2000 grams and one of them weights 1999 grams. Human is unable to sense this little difference. Now, the only tool you have is a pan balance. Your job is to find out which of them is lighter. Describe in detail, step by step, how do you use the pan balance to find the lighter ball.
- (b) You are given a set of 9 balls. All of them look the same. Eight of them weight 2000 grams and one of them weights 2001 grams. Pan balance is the only tool to be used. Describe in detail, step by step, how do you use the pan balance to find the heavier ball.
- (c) Again, you are given a set of 9 balls which are looked and sensed the same. Eight of them are 2000 grams. For the abnormal ball, we do not know if it is lighter or heavier. Describe in detail, step by step, how do you use the pan balance to find the abnormal ball.

Question 4

Similar to the previous question, you are given a set of 9 balls which are looked and sensed the same. Now, there are two abnormal balls inside and their weights are unknown. Describe in detail, step by step, how do you use the pan balance to find the abnormal balls.