Setting an online exam using moodle

prepared by Dr. Zaid Al-Attar



Dr. ZAID AL-ATTAR CV

- MBChB degree in medicine and surgery ,College of Medicine/Al-Nahrain University (2001)
- M.SC. degree in pharmacology ,College of Medicine /Al-Nahrain University (2005)
- PhD. pharmacology from University of Liverpool /UK (2017)
- 2017 till now ; Lecturer in pharmacology Dept. –Al-Kindy college of medicine moderator of the E-learning Unit

Prizes :

- 1. 1st place in Medical sciences in Bahr Al-Uloom prize awarded by Bahr Al-uloom Foundation Organization 2017 / Najaf /Iraq.
- 2. Iraqi Science day Ministry of Higher Education : Best published research 2018

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Online examination (formative or summative?)

Formative assessment :assessment procedures conducted by teachers in order to modify teaching and learning activities to improve student achievement. It typically involves **qualitative feedback (rather than scores)** for both student and teacher.

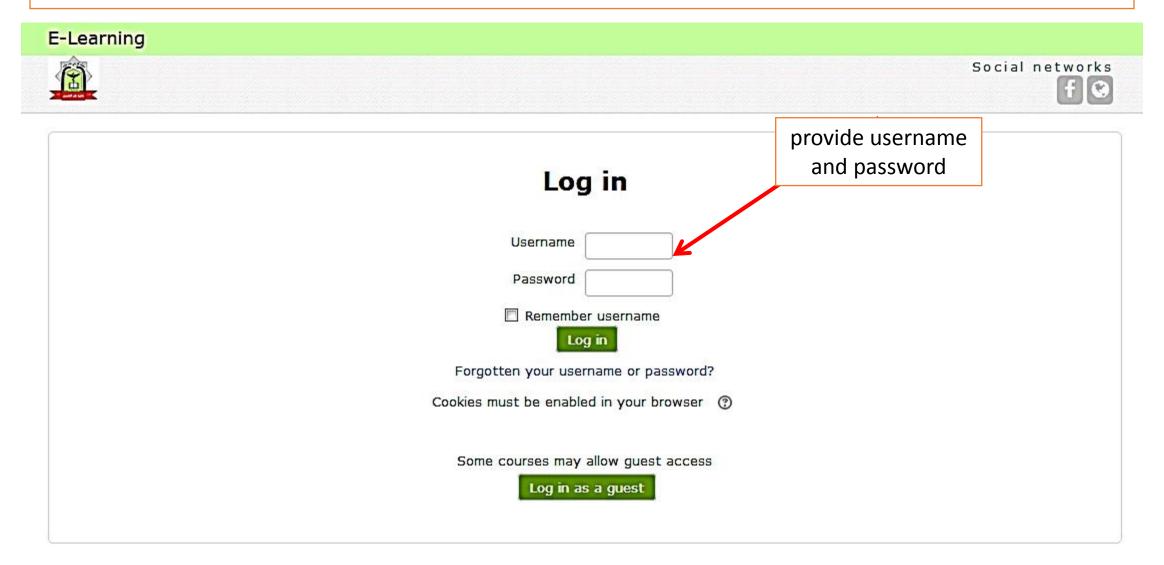
summative assessment, which seeks to monitor educational outcomes **in terms of scores**.



Before you start the online exam

- It is important to change the names of students in their profile on moodle from English to Arabic
- Otherwise, there will be problems in reporting the scores at the end of exam because the names of students in the college lists are in Arabic.

Home page of Moodle

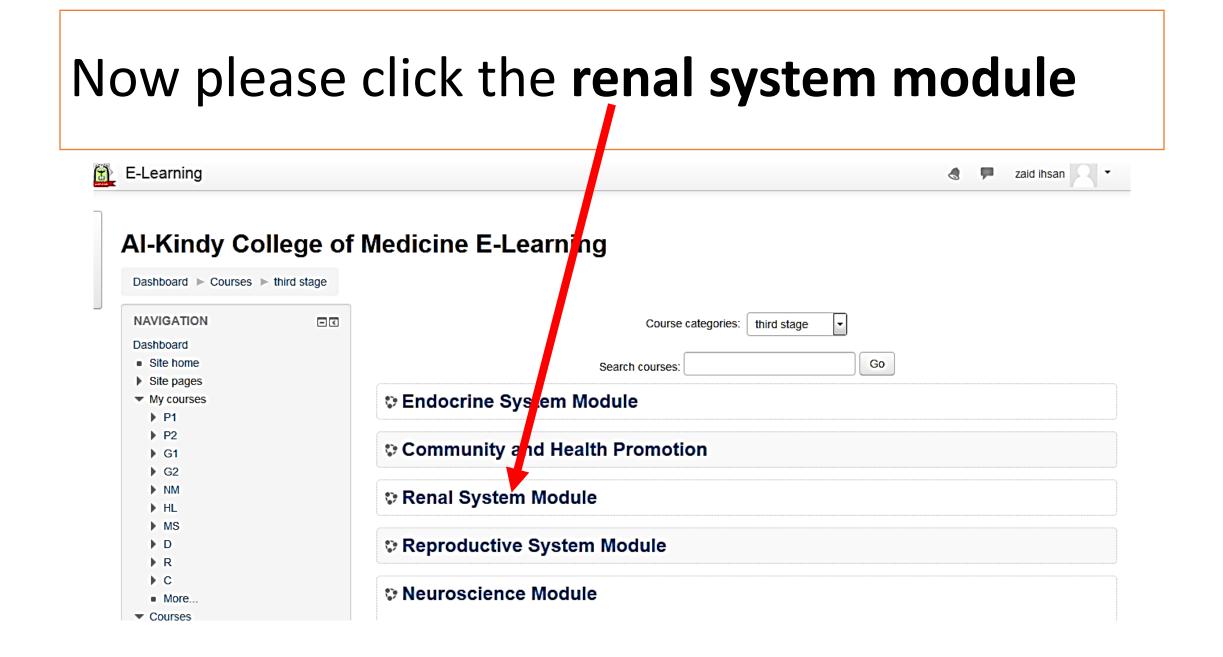


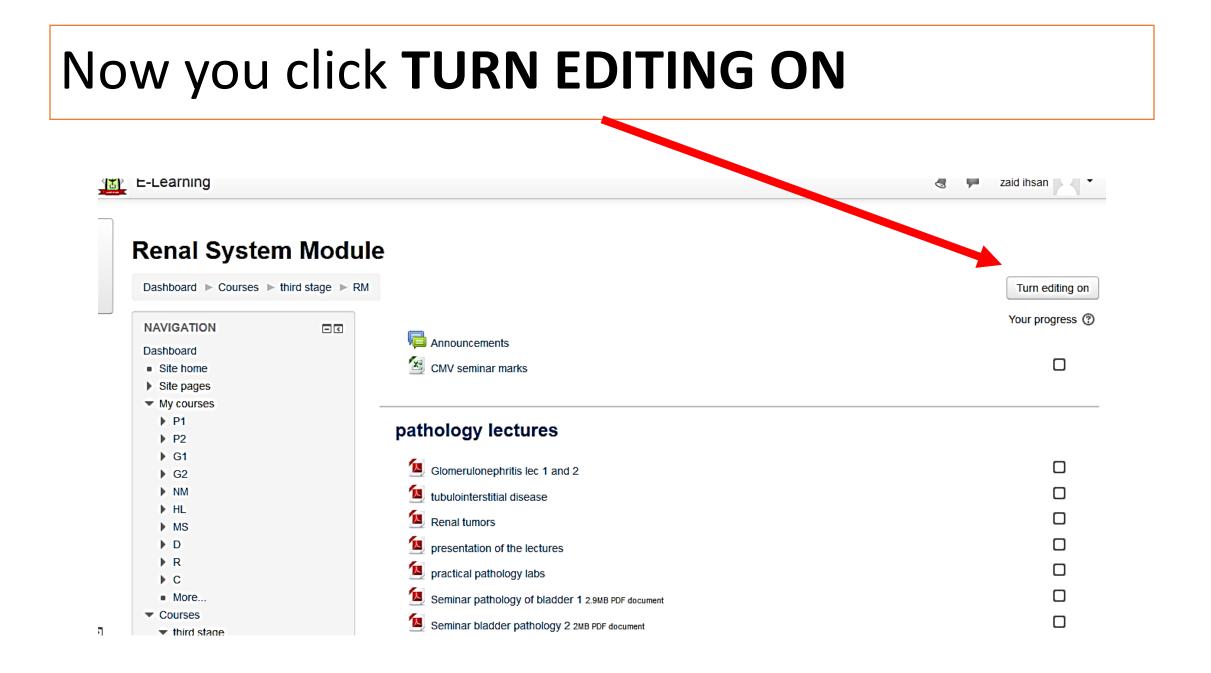
After you have logged in you may navigate through the courses l f you don't find it click MORE

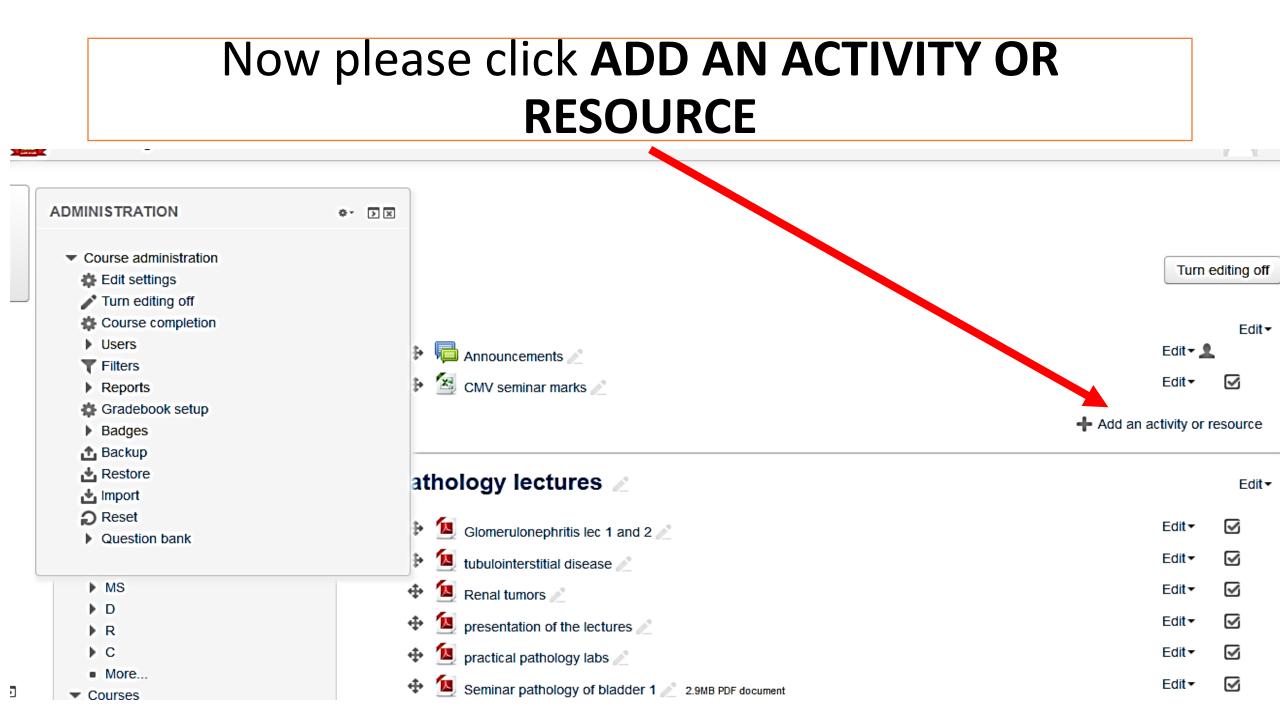
<u> </u> E-Lear	ning		
Dashboard	zaid ihsa	n	
NAVIGATION Dashboard Site home Site pages My courses P1 P2 G1 G2 NM HL MS D R C More			

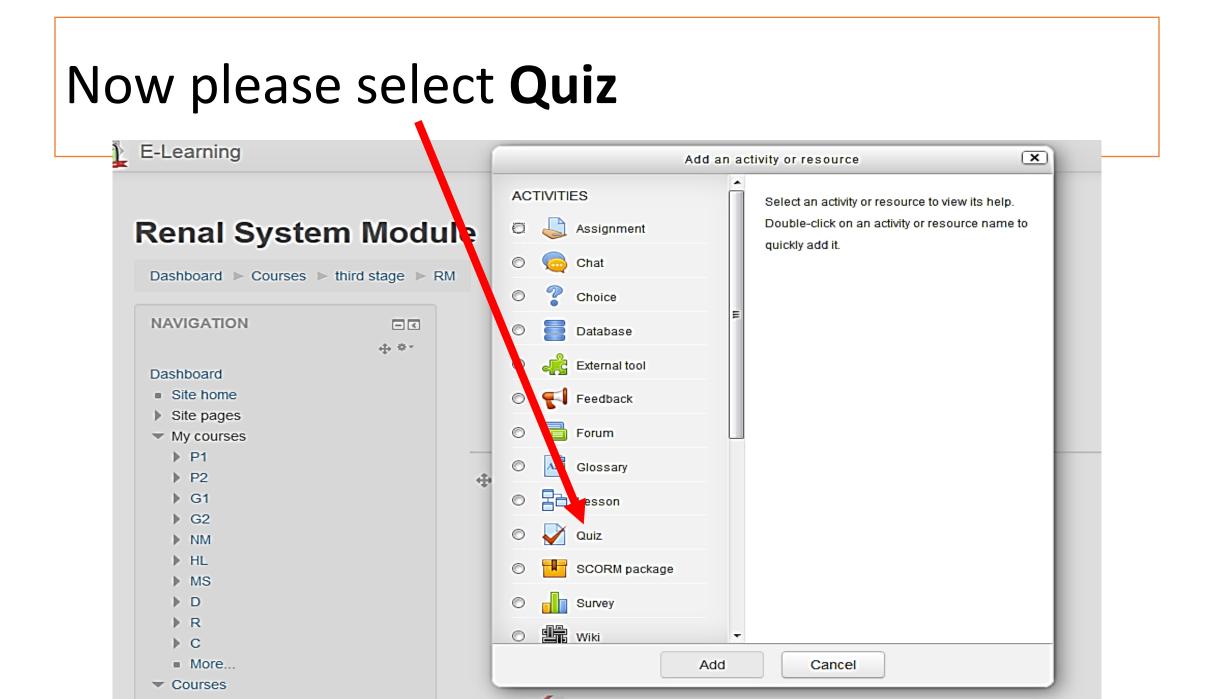
	 a 🏴 zaid ihsa	n 🔁 🔭
	Customise	this page
JRSE OVERVIEW neline Courses In progress Future Past	PRIVATE FILES No files available Manage private files	
Cardio Vascular System Module	ONLINE USERS (last 5 minutes: 1) Zaid ihsan	
Community and Health Promotion	LATEST BADGES You have no badges to display	- (
	ALENDAR March 2018	-«

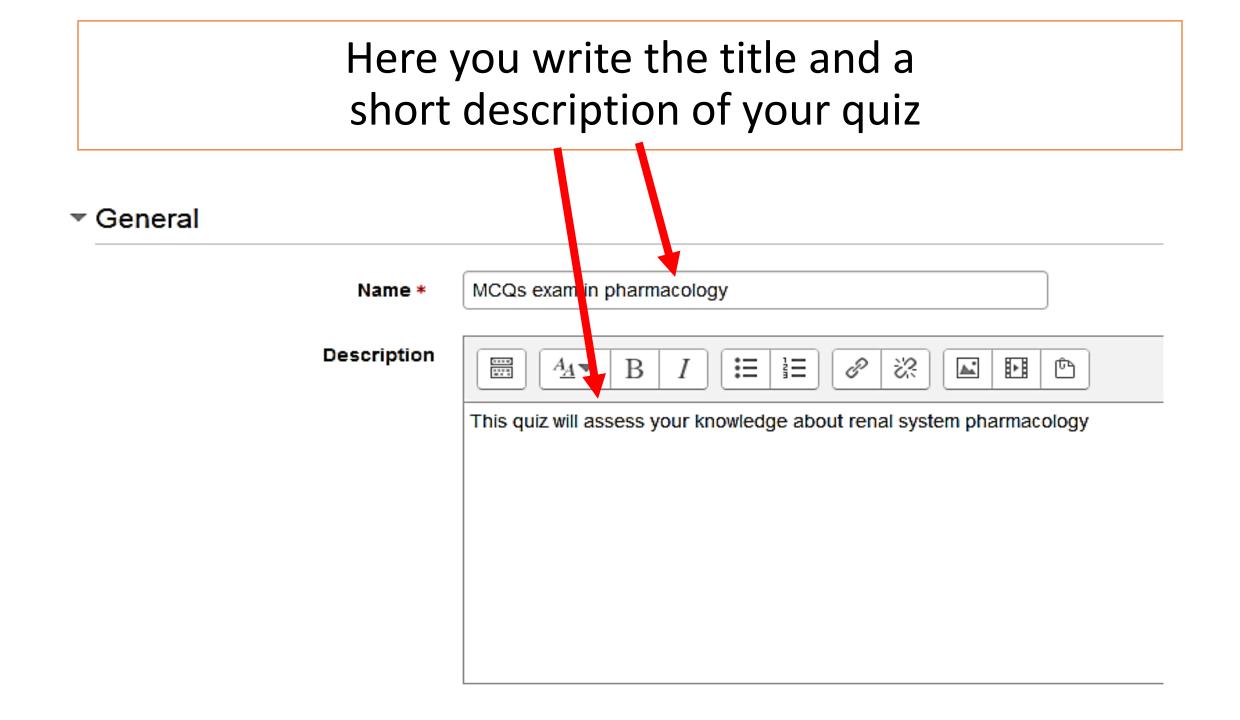
	et's d	click third stage for example	
E-Learning			👌 🗭 zaid ihsan 📿 🔹
NAVIGATION		Search courses: Go	
 Site home 			Expand all
Site pages		▹ Miscellaneous	
 My courses 			
▶ P1		▶ first stage	
P2			
 G1 G2 		▶ second stage	
▶ NM		v second stage	
▶ HL		third store	
▶ MS		third stage	
► D		· formula stand	
▶ R		Fourth stage	
► C			
 More Courses 		▷ fifth stage	
= Courses			
		▷ sixth stage	











You will have many options to optimize (some of them)

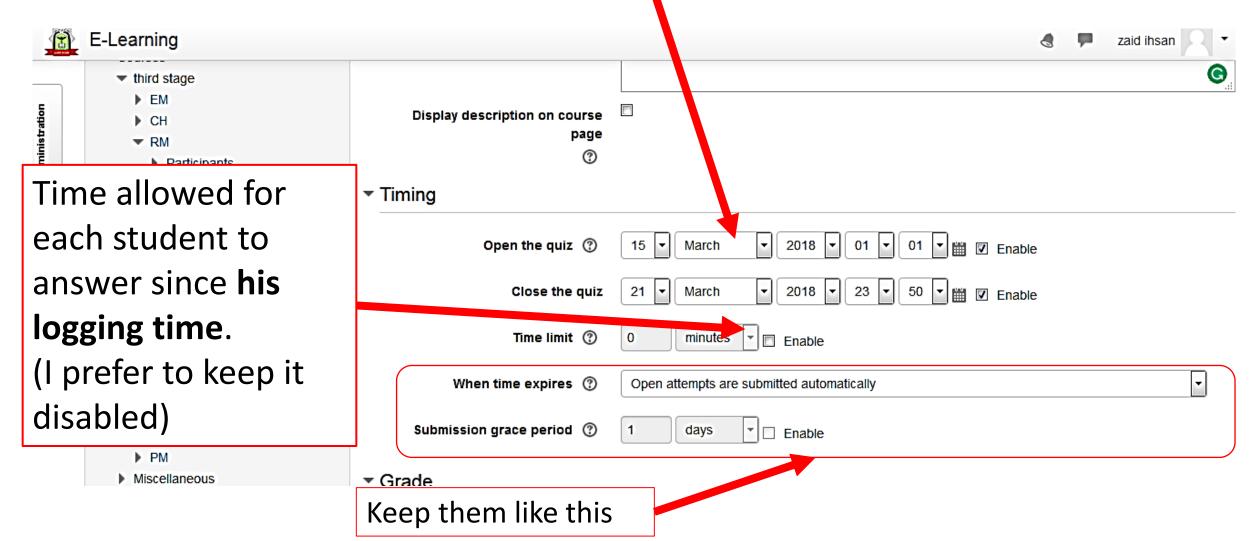
	0
►	Timing
۲	Grade
۶	Layout
۶	Question behaviour
۶	Review options @
Þ	Appearance
Þ	Extra restrictions on attempts
Þ	Overall feedback @
Þ	Common module settings
Þ	Restrict access
Þ	Activity completion
۶	Tags
۶	Competencies

Save and return to course

Save and display

Cancel

Then you specify the time limits parameters. Once the quiz starts according to time settings you can't change any option



Then specify the grading system. **Attempts allowed** number should be 1, otherwise there would be problems in correction. Leave others as shown below

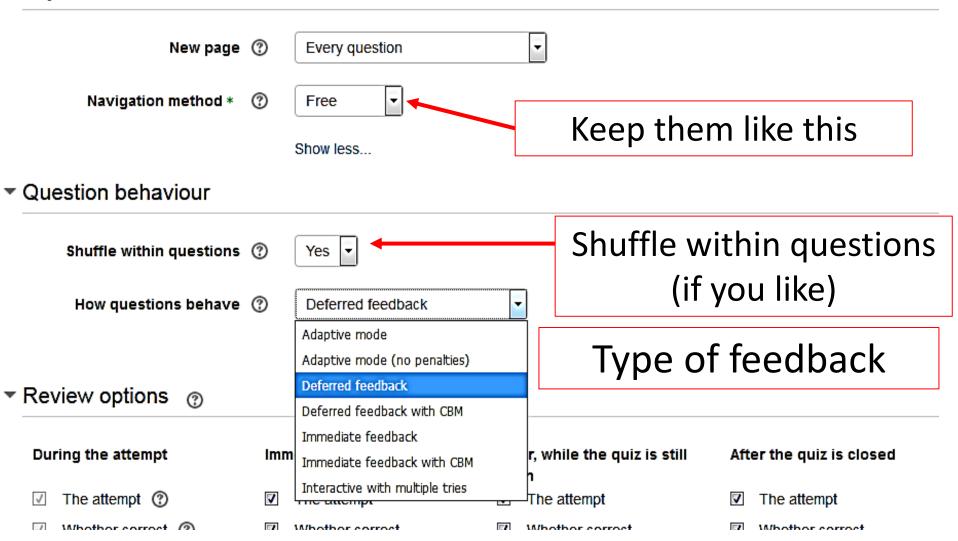
Grade

Grade category 🕐	Uncategorised 💌
Grade to pass ⑦	0.00
Attempts allowed	1
Grading method ⑦	Last attempt

Here you may specify how many questions shown per page. *J prefer every question*

.earning		Never, all questions on one page	Â	8 🗭
		Every question		
▶ PM		Every 2 questions	E	
Miscellaneous	✓ Grade	Every 3 questions		
first stage		Every 4 questions]
second stage	Grade category ⑦	Every 5 questions		
fourth stage	Glade category ()	Every 6 questions		
fifth stage	•	Every 7 questions		
sixth stage	Grade to pass ⑦	Every 8 questions		
		Every 9 questions		
	Attempts allowed	Every 10 questions		
DABLOCK		Every 11 questions		
	Grading method ⑦	Every 12 questions		
		Every 13 questions		
	✓ Layout	Every 14 questions		
	-	Every 15 questions	-	
	New page ⑦	Every question	-	j
	Navigation method * ⑦	Free		

Layout



Deferred feedback (suitable for MCQs)

Students must enter an answer to each question and then submit the entire quiz, before anything is graded or they get any feedback.

له الحق في محاولة (no penalties) له الحق في محاولة (Adaptive mode and Adaptive mode ألاجابة اكثر من مرة

Allows students to have multiple attempts at the question before moving on to the next question.

Manual grading (suitable for essay questions)

you can now choose to have every question in the quiz manually graded, if you wish.

يحاول الاجابة عدة مرات الى ان يقدم الاجابة الصحيحة ثم ينتقل الى السؤال الاخر Interactive mode

After submitting one answer, and reading the feedback, the student has to click a 'Try again' button before they can try a new response. Once the student has got the question right, they can no longer change their response. Once the student has got the question wrong too many times, they are just graded wrong (or partially correct) and get shown the feedback and can no longer change their answer. There can be different feedback after each try the student makes.

يقدم الاجابة مرة واحدة ويحصل على التقييم انيا Immediate feedback

Similar to interactive mode in that the student can submit their response immediately during the quiz attempt, and get it graded. However, they can only submit one response, they cannot change it later.

Deferred feedback or Immediate feedback with Certainty-based marking (CBM) اضافة الى الاجابة على الطالب ان يذكر مقدار تاكده من الاجابة وعلى اساس هذا المقدار يتم تقييم الاجابة والدرجة

With CBM, the student does not only answer the question, but they also indicate how sure they are they got the question right. The grading is adjusted by the choice of certainty, so that students have to reflect honestly on their own level of knowledge in order to get the best mark.

Review options are **for students** thus enable only options of last column and disable others

Review options ⑦

During the attempt

✓ The attempt ⑦

Whether correct ⑦

- 🗌 Marks 🕐
- Specific feedback (?)
- 📃 General feedback 🕐
- 📃 Right answer 🕐
- Overall feedback ⑦

Immediately after the attempt

- The attempt
- Whether correct
- Marks
- Specific feedback
- General feedback
- Right answer
- Overall feedback

Later, while the quiz is still open

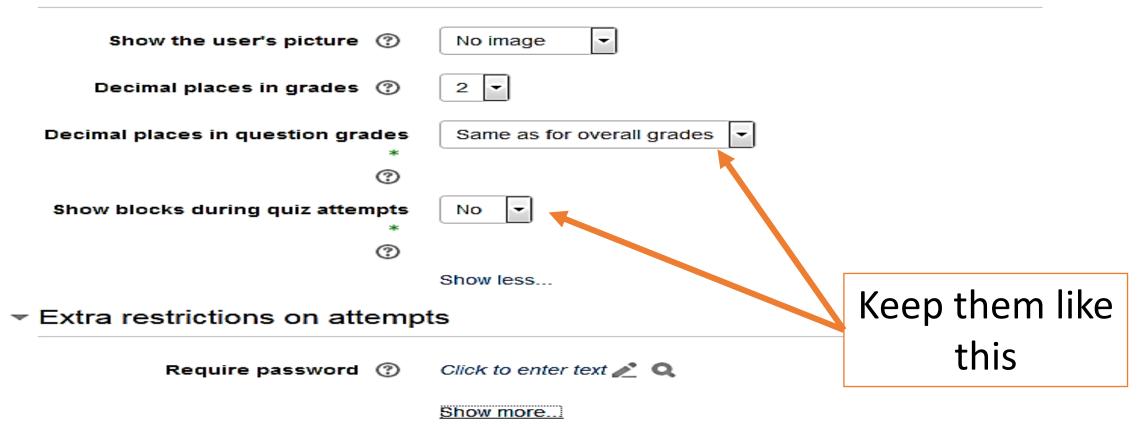
- The attempt
- Whether correct
- Marks
- Specific feedback
- General feedback
- Right answer
- Overall feedback

After the quiz is closed

- The attempt
- Whether correct
- Marks
- Specific feedback
- General feedback
- Right answer
- Overall feedback

Then you specify the appearance of quiz

Appearance



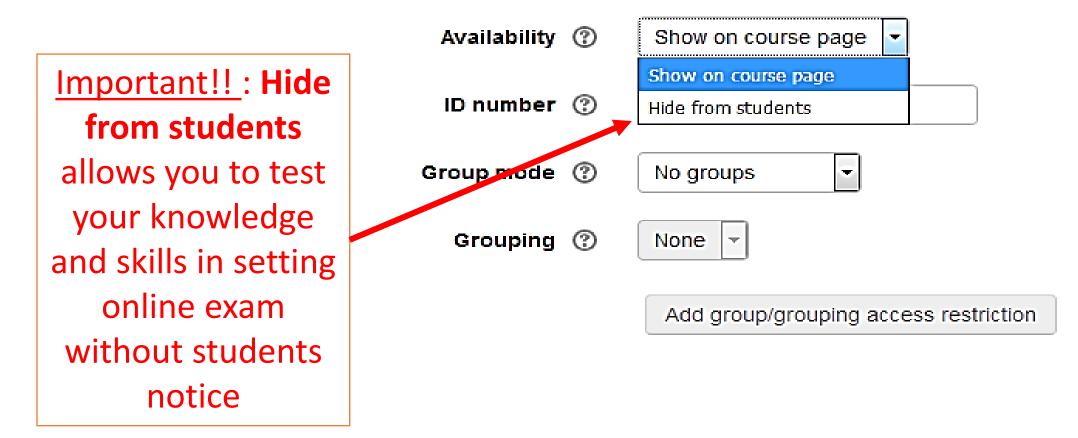
Then you may set the options to give automatic feedback according to the score

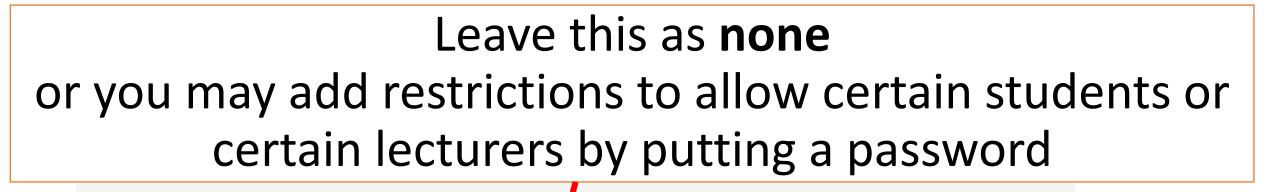
Overall feedback (2)

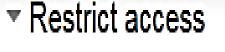
	Grade boundary	100%
	Feedback	
		Excellent
You may put number or	Grade boundary	
percentage	Feedback	
		very good
	Grade boundary	80%
You may add mo fields	ore	Add 3 more feedback fields

Other options: <u>show on course page</u> if you like students to start the quiz

Common module settings







Access restrictions

None

Add restriction...

Leave these options as shown below

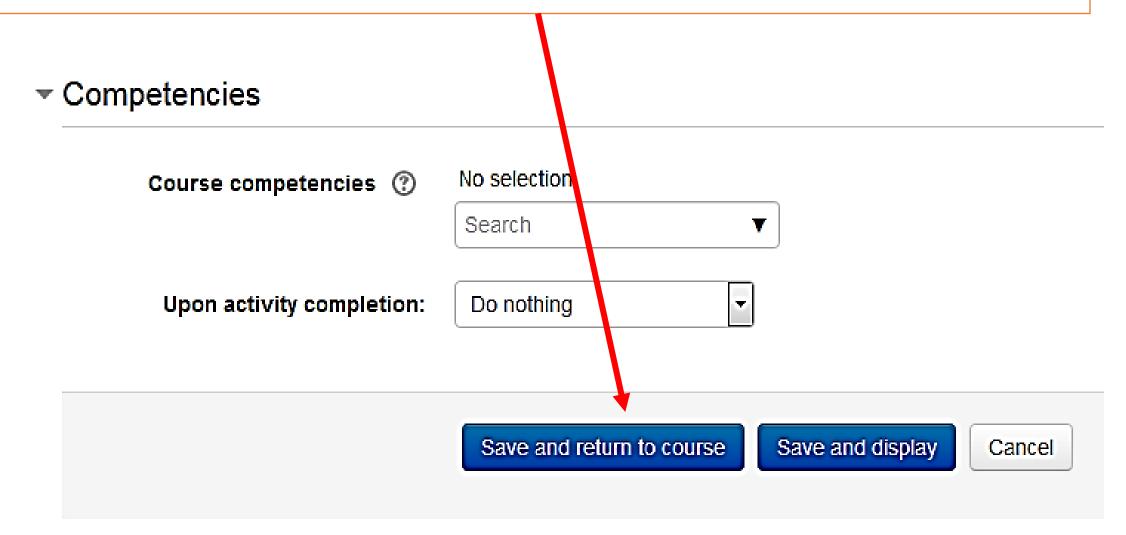
Activity completion

Completion tracking ⑦	Do not indicate activity completion
Require view	Student must view this activity to complete it
Require grade	Student must receive a grade to complete this activity
Require passing grade	Require passing grade Or all available attempts completed
Expect completed on ⑦	10 - March - 2018 - 🛗 🗆 Enable

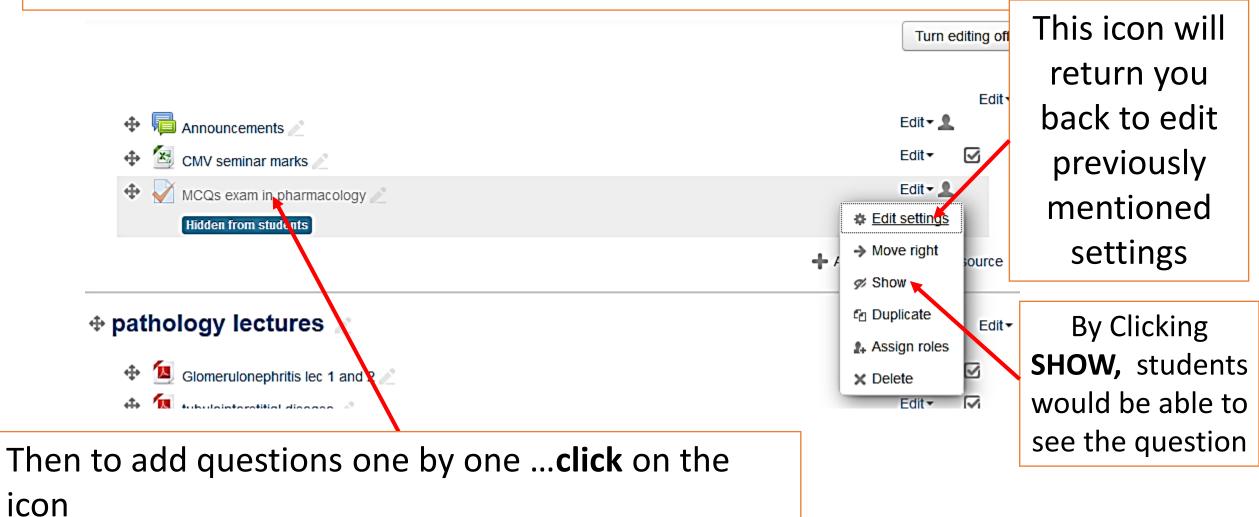
Tags

Tags	No selection
	Enter tags

Leave these options as shown below then click save and return to course or save and display



If you have chosen (hide from students) option It will appear like this (hidden from students) so only lecturers can see it



Click Edit quiz

MCQs exam in pharmacology

This quiz will assess your knowledge about renal system pharmacology

Attempts allowed: 1

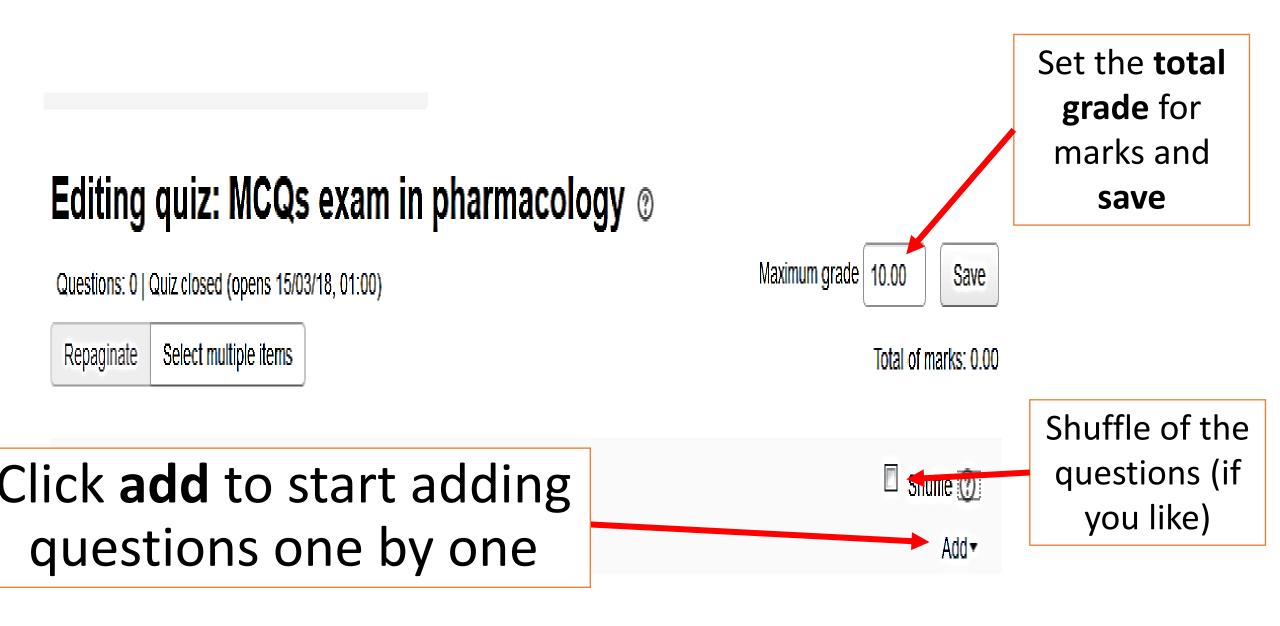
The quiz will not be available until Thursday, 15 March 2018, 1:00 AM

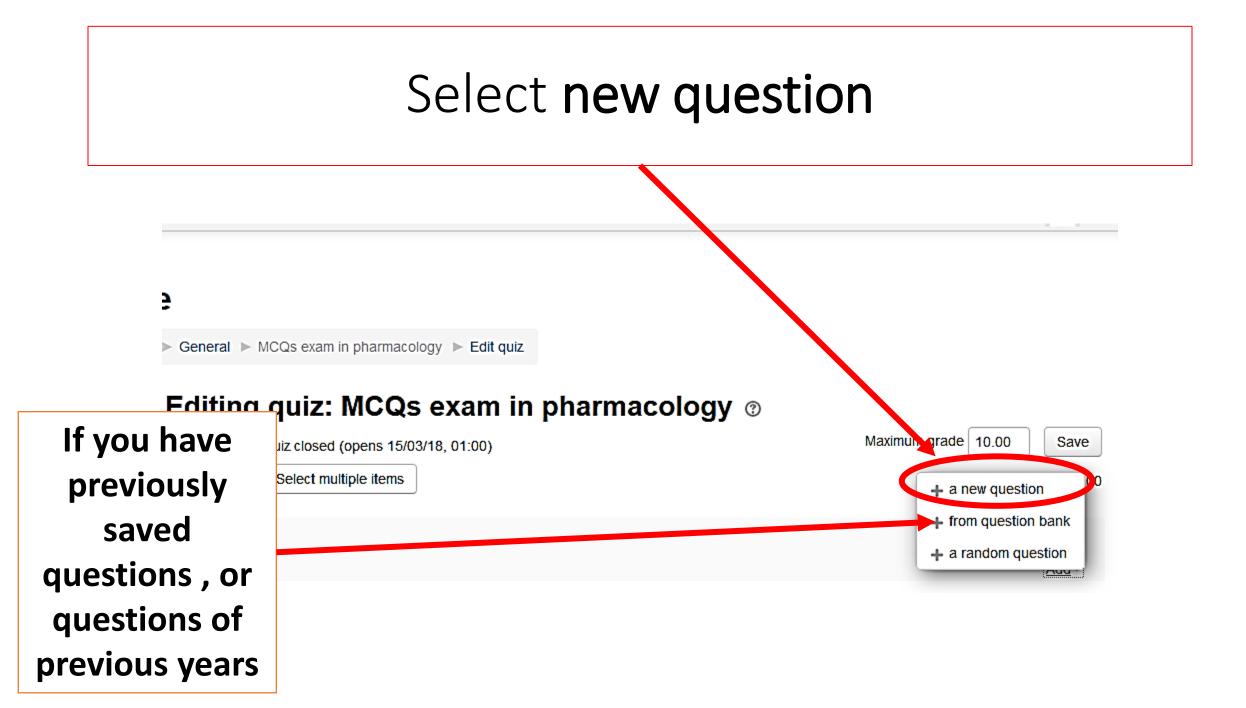
This quiz will close at Thurscay, 22 March 2018, 11:50 PM

Grading method: Last attempt

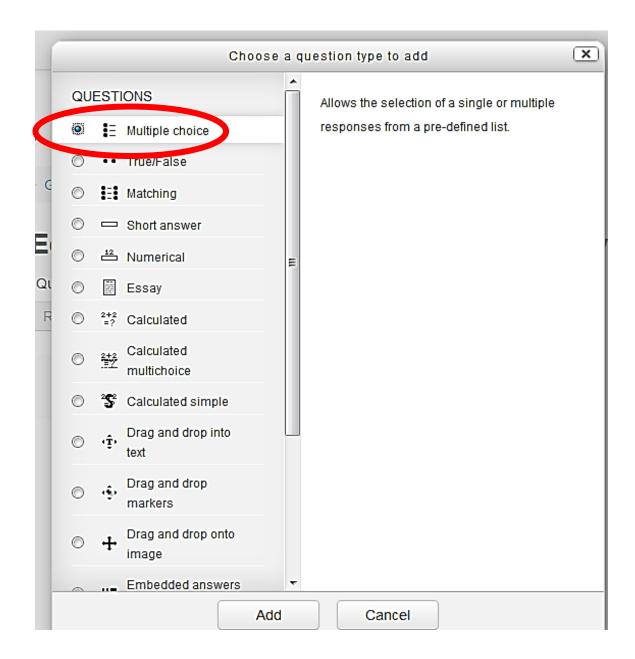
No questions have been added yet
Edit quiz
Back to the course

×



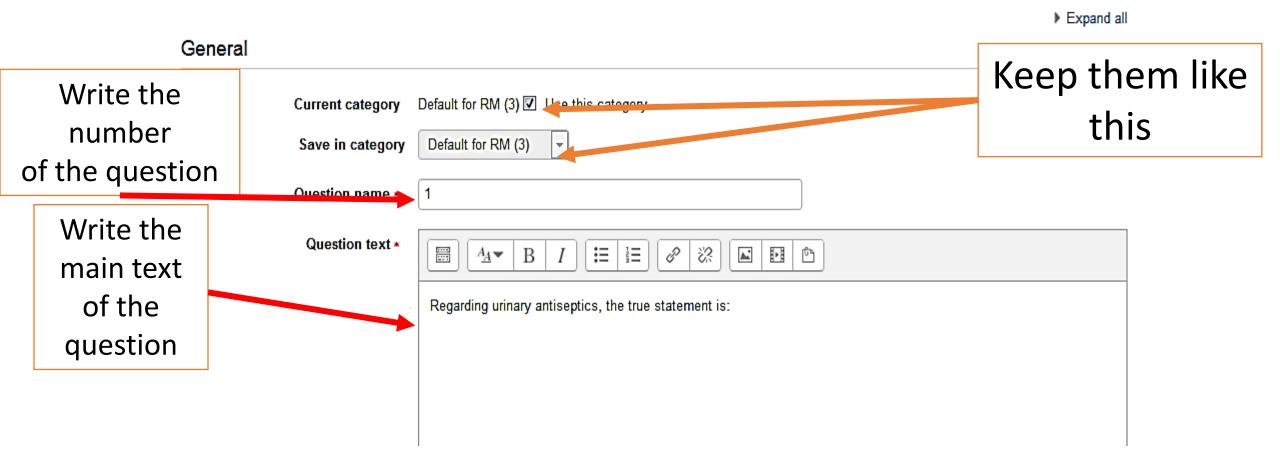


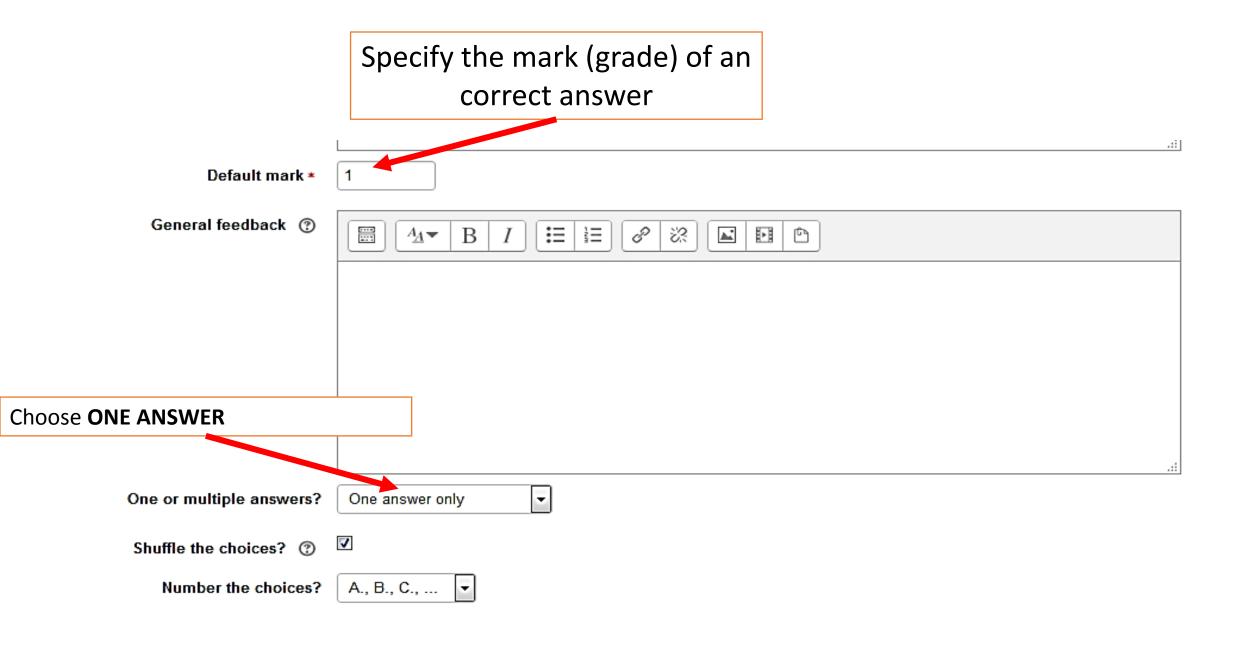
Then click **multiple choice** (multiple choice questions: MCQs)



You will get this page

Editing a Multiple choice question ©





Then you write Choices 1 and 2

Answers

Choice 1	
	Used in upper UTI
Grade	None
Feedback	

Choice 2	
	Used in both acute and chronic UTI
Grade	None
Feedback	

Then you write Choices 3 and 4

	Choice 3	
		Have a good systemic effect
	Grade	None
	Feedback	
If the answe	er is correct	
give grad	le 100%	
0	4	
		Used in lower UTI
	Grade	100%
	Feedback	

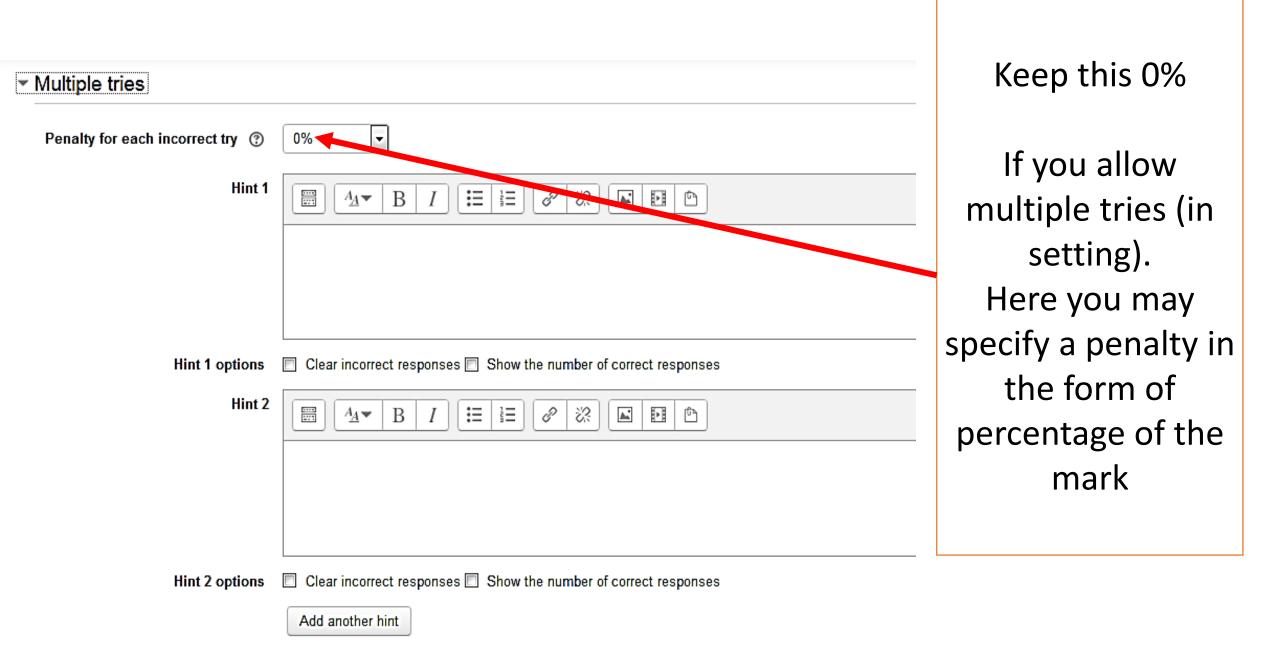
- Be careful when you have **<u>shuffling of choices</u>** is **ON** :
- 1. Don't write :<u>All of the above</u> in the last choice this would cause confusion for the students and incorrect scoring.

Instead , write: <u>ALL of the other options</u>

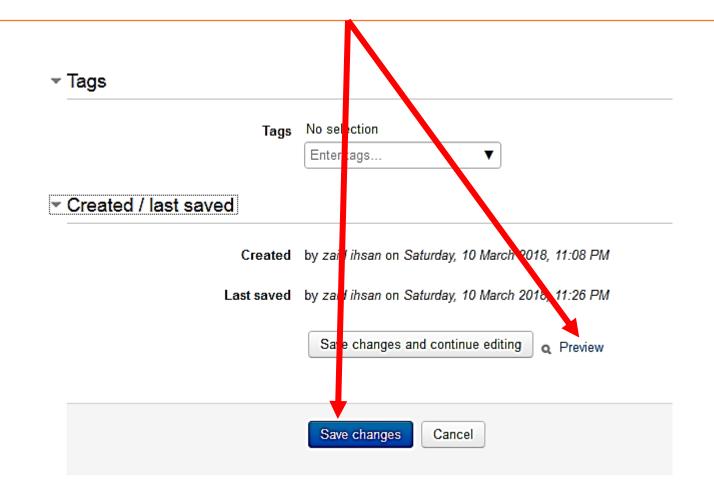
2. Don't write: A and B are correct, B + C are correct

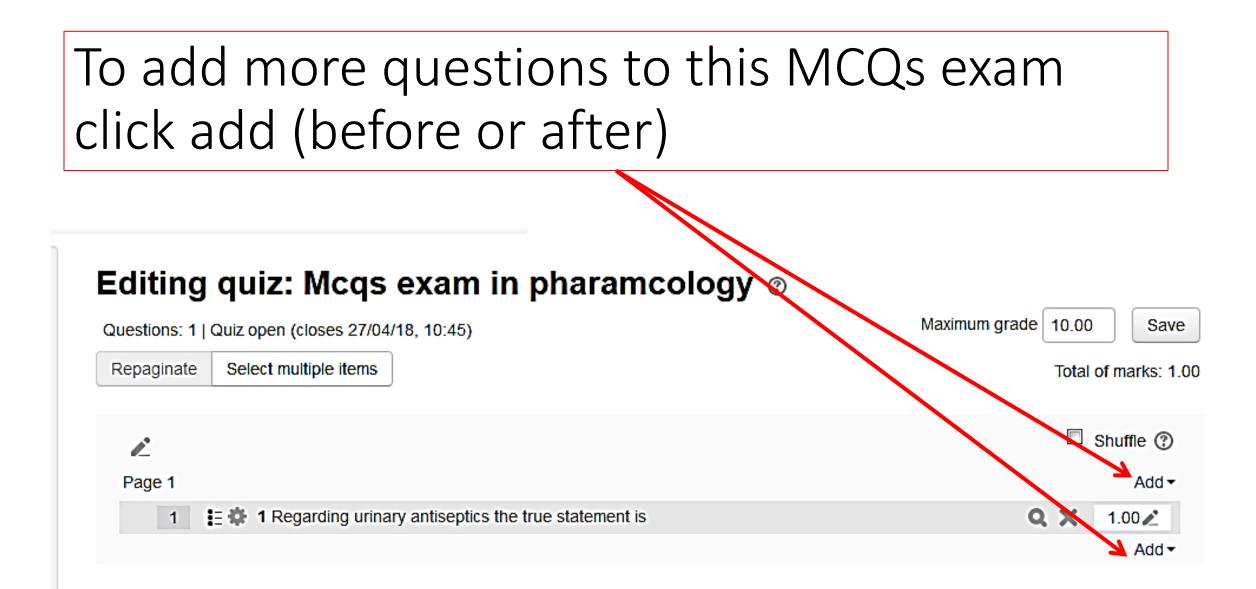
Here you may add some automatic feedback

	 Combined feedback 	
	For any correct response	
		Your answer is correct.
Leave this	For any partially correct response	
blank		
	7	
	Options	Show the number of correct responses once the question has finished
	For any incorrect response	
		Your answer is incorrect.

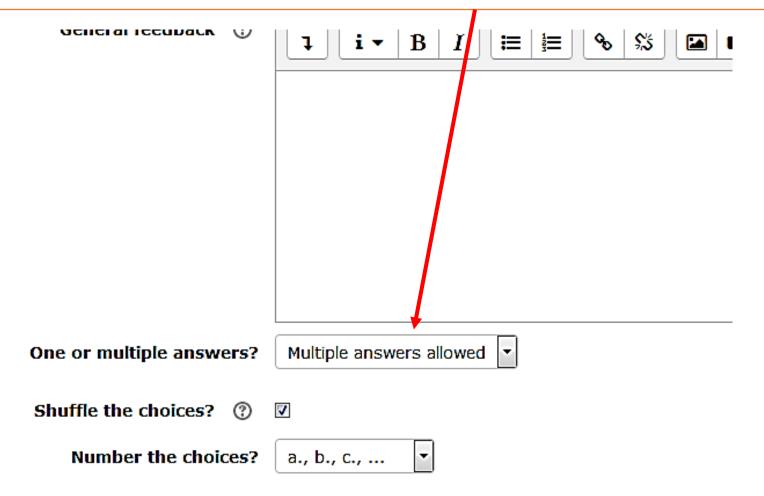


Click save changes or you may do a preview

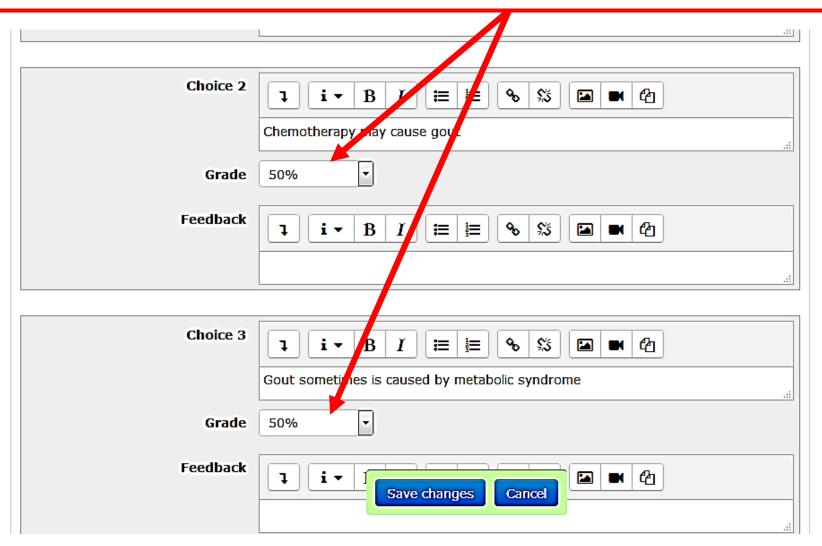


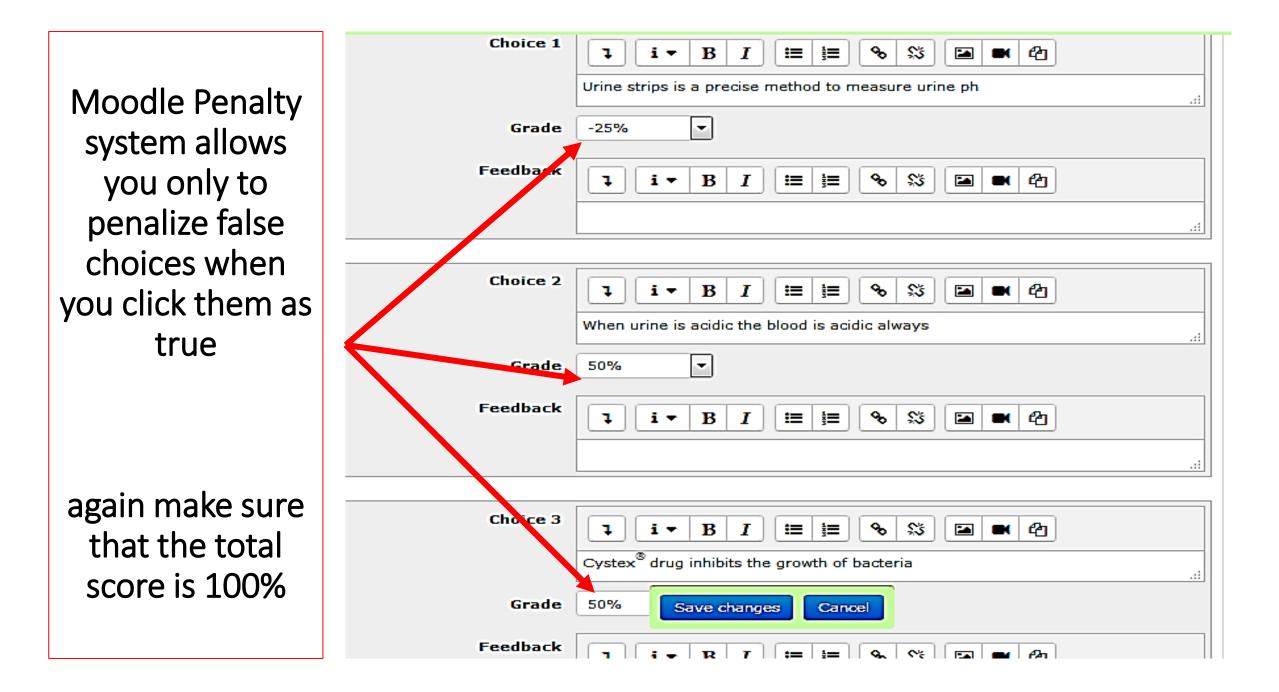


When more than one choice is correct, choose **Multiple answers allowed**

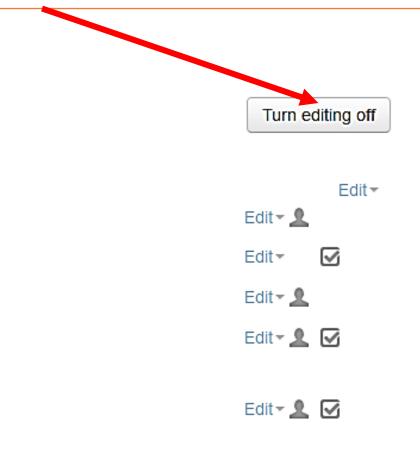


Make sure that total mark of multiple correct choices is not above 100%





Then after final setting the quiz click **turn editing off**



Very important

- Once you have started adding the questions never stop till finishing them all.
- If you stop and log out suddenly or there is internet shutdown , the whole question series of this exam would <u>crash</u>.
- But , you may get some of questions you have written saved in questions bank.

If you click on **questions bank** icon, you may see old questions

Add from the question bank at the end	
Select a category: Default for CH (12)	
The default category for questions shared in context 'CH'.	
Search options 🗸	
Iso show questions from subcategories	
Also show old questions	
□ T	
In alcohol addiction	
- I C 🗄 10 Addiction Lestment	Click on the
- 🗹 🥇 2 In drug addiction, the term craving means:	
- I I 5 3 delta fos b has a role in	questions you
- I I I I I I I I I I I I I I I I I I I	like then click
- M 🗄 5 Benzodiazepines	add at buttom
-1 🖾 🗄 6 Alcohol	
- 1 🖾 🗄 7 Methamphetamine	
-1 🔲 🗄 8 cocaine	
- E 9 steroids	

Make sure the maximum grade equals the sum of all questions score then click save		
Community and Health Promotion		-
Editing quiz: sfd 💿	Peturn to: Dr. Zaid Ihsan Đ	
Questions: 5 This quiz is open Repaginate Select multiple items	Maximum grade 5 Save Total of marks: 5.00	
Page 1	□Shuffle ⑦ Add-	If you like to change
Image 1 Image 2 Image 2 Edit question 1 Image 2 Edit question 1	€ 100 🖋 Add≁ € 100 🖋	individual questions click on this
Page 3	Add- € 1.00 € Add-	
• 4 • 4 • 4	Q 面 1.00 ₽ Add-	
	Q 🛍 1.00 🖋 Add≁	Then click return

In preview you still have the chance to edit question (if it didn't start, according to time settings), But you can't add more questions or change the general setting

Dashboard ► Courses ► third stage	▶ RM ▶ General ▶ MCQs exam in pharmacology	Preview
-----------------------------------	--	---------

QUIZ NAVIGATION	You can p i This quiz is not cu	review this, quiz, but if this were a real attempt, you would be blocked because:
Finish attempt	Question 1	Regriding urinary antiseptics, the true statement is:
Start a new preview	Not yet answered	
	Marked out of	
	1.00	Select one or more:
	P Flag question	A. Used in upper UTI
NAVIGATION	Edit question	B. Used in both acute and chronic UTI
Dashboard		C. Have a good systemic effect
 Site home 		D. Used in lower UTI
Site pages		
 My courses 		
P1		

Next page

Quiz Appearance *for a student*

For students the question would appear like this

Renal System Module



The students should click on right answer(s)

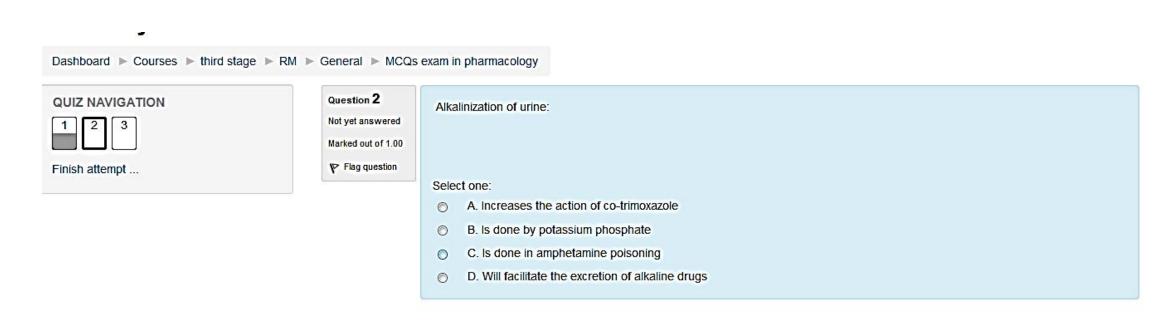
Renal System Module

Dashboard ► Courses ► third stage ► RM ► General ► MCQs exam in pharmacology

QUIZ NAVIGATION	Question 1 Not yet answered Marked out of 1.00	Regarding methenamine the true choice is:
Finish attempt	🌾 Flag question	Select one:
		A. Works best in alkaline urine
		 B. Indicated for proteus infection
		C. Acts as bactericidal
		 D. Sulfonamides have antagonistic effect when combined with methenamine

Next page

Next question



Previous page

Next page

Next question

Renal System Module

Dashboard ► Courses ► third stage ► RM ► General ► MCQs exam in pharmacology

QUIZ NAVIGATION	Question 3 Not yet answered Marked out of 1.00	Regarding urinary antiseptics, the true statement is:
Finish attempt	🌾 Flag question	Select one or more: A. Used in upper UTI
		B. Used in both acute and chronic UTI
		C. Have a good systemic effect
		D. Used in lower UTI

Previous page

Finish attempt ...

Then student should click submit for the answer to be counted

Note. Don't forget to tell students click the submit icon

Dashboard > Courses > third stage > RM > General > MCQs exam in pharmacology > Summary of attempt

QUIZ NAVIGATION



Finish attempt ...

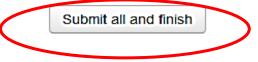
MCQs exam in pharmacology

Summary of attempt

Question	Status
1	Answer saved
2	Answer saved
3	Answer saved

Return to attempt

This attempt must be submitted by Thursday, 22 March 2018, 11:50 PM.



For the student: After the deadline of submission there would be feedback with the mark

QUIZ NAVIGATION	Started on	Saturday, 10 March 2018, 11:39 PM			
	State	Finished			
	Completed on	Saturday, 10 March 2018, 11:40 PM			
	Time taken	1 min 10 secs			
	Marks	2.00/3.00			
	Grade	6.67 out of 10.00 (67%)			
	Feedback	good			

Question 1	Regarding methenamine the true choice is:
Incorrect	
Mark 0.00 out of	
1.00	Select one:
Flag question	 A. Works best in alkaline urine
	 B. Indicated for proteus infection
	 C. Acts as bactericidal
	D. Sulfonamides have antagonistic effect when combined with methenamine ×

Your answer is incorrect.

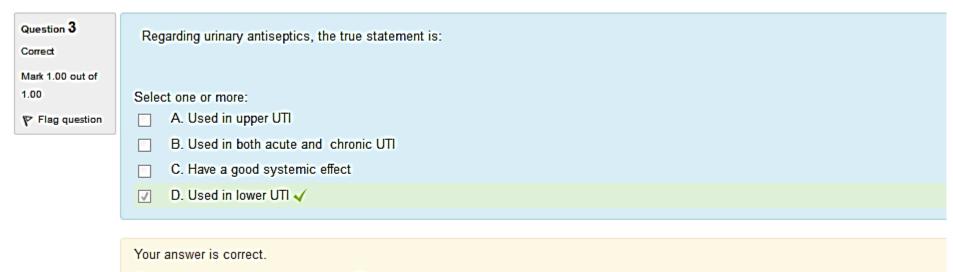
The correct answer is: Acts as bactericidal

Next question

Question 2 Correct	Alkalinization of urine:
Mark 1.00 out of 1.00	
P Flag question	Select one:
	A. Increases the action of co-trimoxazole
	 B. Is done by potassium phosphate
	 C. Is done in amphetamine poisoning
	 D. Will facilitate the excretion of alkaline drugs
	Your answer is correct.

The correct answer is: Increases the action of co-trimoxazole

Next question

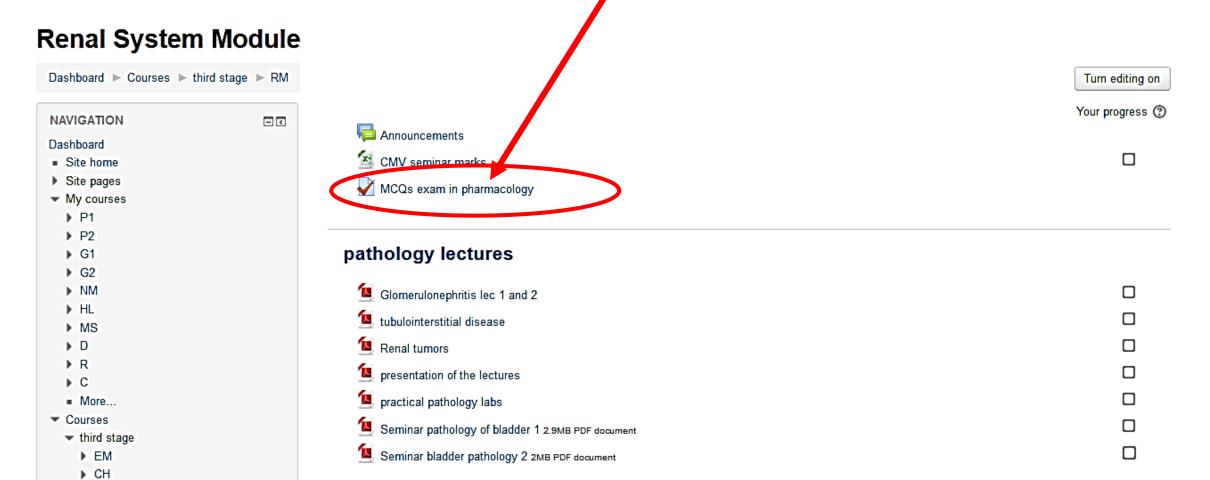


The correct answer is: Used in lower UTI

For a lecturer : After finishing the quiz

For a lecturer: How to review students answers after the deadline

• Go back to the main menu of the topics and click the question icon



You would get this. Click ATTEMPTS

MCQs exam in pharmacology

This quiz will assess your knowledge about renal system pharmacology

Attempts allowed: 5

The quiz will not be available until Thursday, 15 March 2018, 1:00 AM

This quiz will close at Thursday, 22 March 2018, 11:50 PM

Grading method: Last attempt

Attempts: 3

It would look like this

=-Le	earning	My courses	s ► 🖉 This course ►							* *	Zaid •	
Suri	t name A name A le: 1 2 3 4 (l	I A B C D	E F G H I J K L M N O P O							Reset table	e preference	S
		First name / Surname	Download table data as	Comma sepa	arated va Started on		_	Download Grade/10.00	Q. 1 /2.50	Q. 2 /2.50	Q. 3 /2.50	Q. 4 /2.50
	8	عدالعزیز کریم Review attempt	Azeezk9898@gmail.com	Finished		4 January 2019 2:45 PM	12 mins 20 secs	6.04	1.25	√ 2.50	1.67	₫0.63
		علي جواد Review attempt	Alishauwili65@gmail.com	Finished		4 January 2019 2:59 PM	22 mins 53 secs	5.21	√ 2.50	×0.00	₫0.21	√ 2.50
		علي قارس Review attempt	Saed18348@gmail.com	Finished		4 January 2019 5:52 PM	1 hour 6 mins	5.42	2 0.63	2 1.88	2 1.67	∎1.25

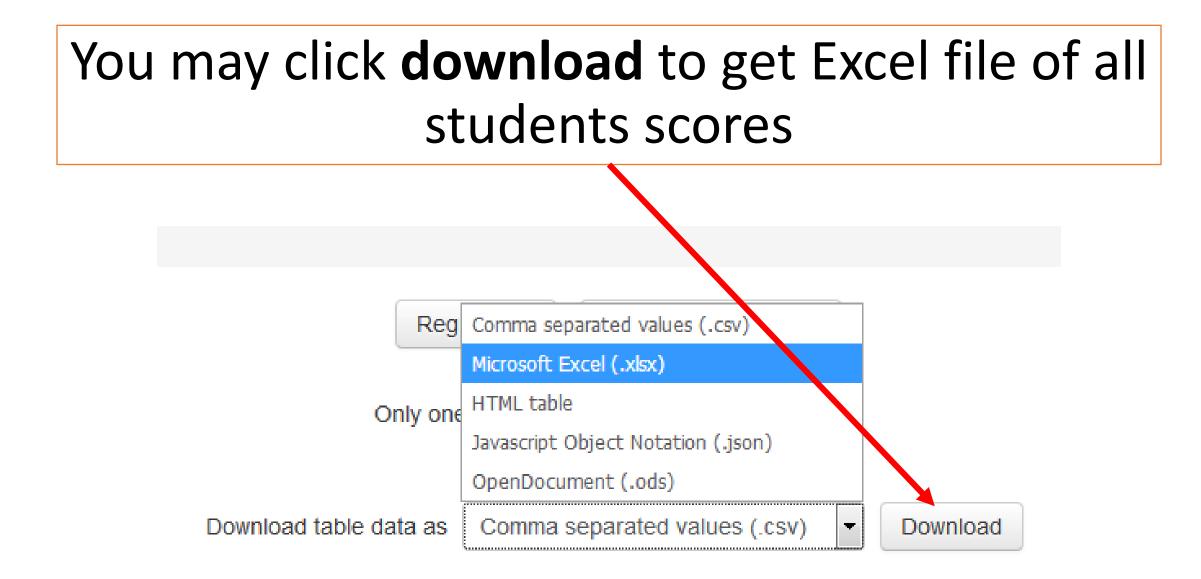
You will see many options about the marking report: *I prefer them in this way*

Quiz Effect of drugs on urine pH

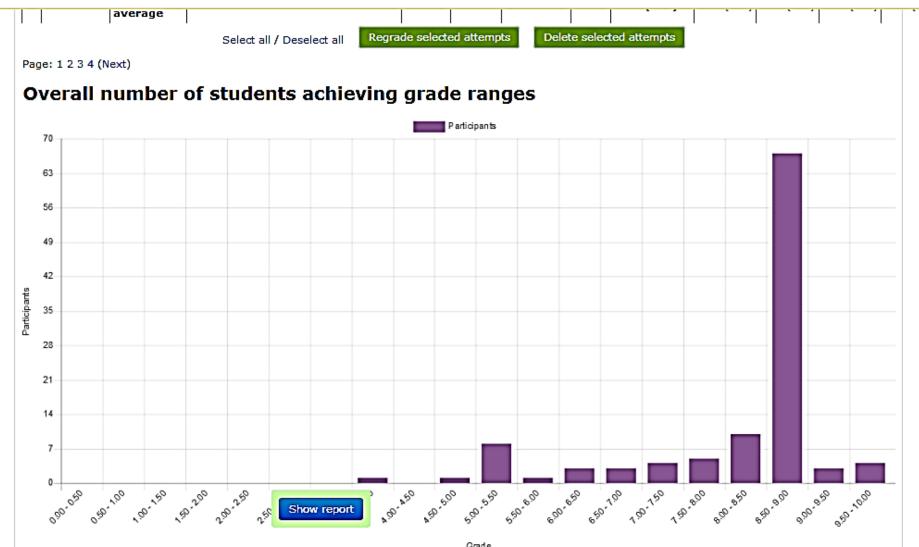
Attempts: 111

What to include in the report

		Attempts from	enrolled users who have, or have not, attempted the quiz	
Attempts that are			🔽 In progress 🔽 Overdue 🔽 Finished 🔽 Never submitted	
Show only attempts			that have been regraded / are marked as needing regrading	
 Display options 				
		Page size	30	
Click here to	it eks for	r each question	Yes 💌	
download results in excel format			Regrade all Dry run a full regrade	
	•		Only one attempt per user allowed on this quiz.	
First na	ame All	ABCDE	F G H I J K L M N O P Q R S T C V W X Y Z	
Surnan	ie All	ABCDE	FGHIJKLMNOPQRSTUVWXYZ	
			Download table data as Microsoft Excel (.xlsx) Jownload	

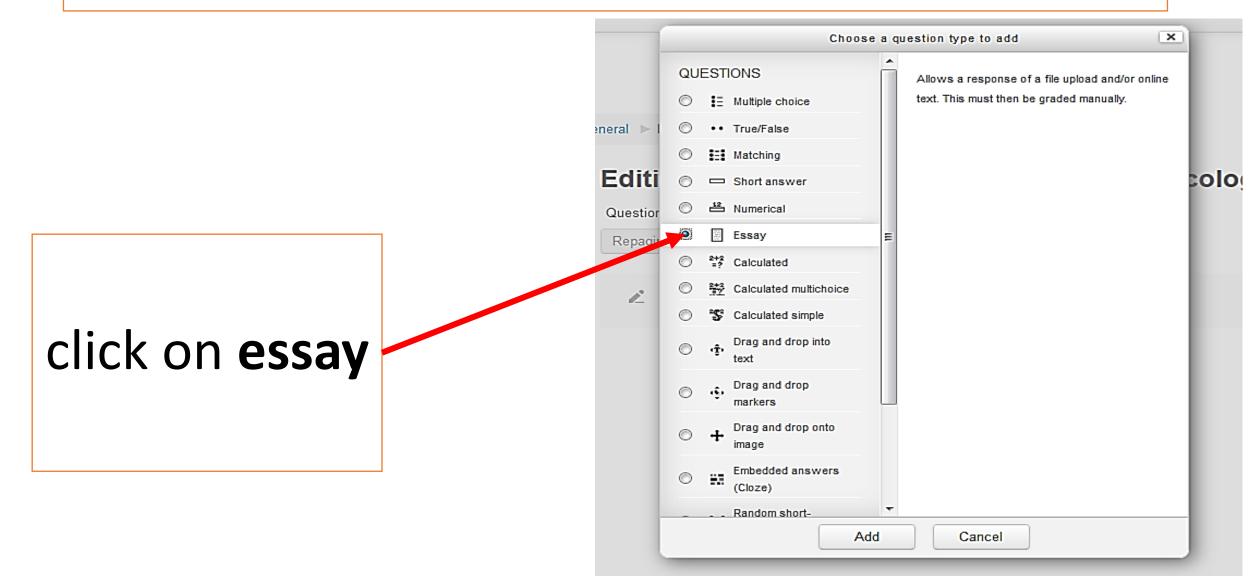


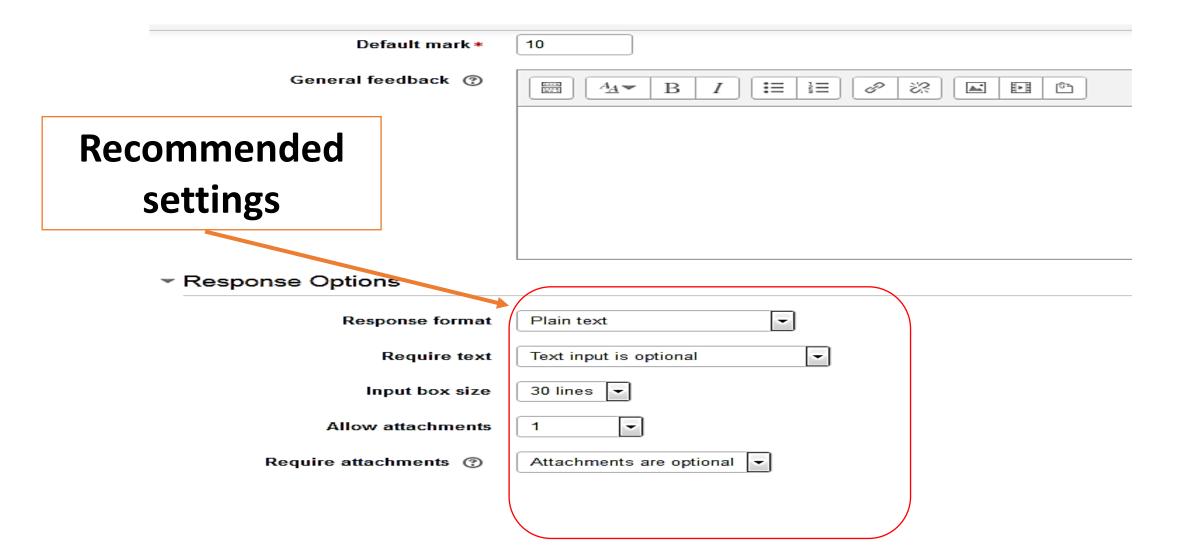
Moreover, there is a graph for the results (at the end of previous page of results)



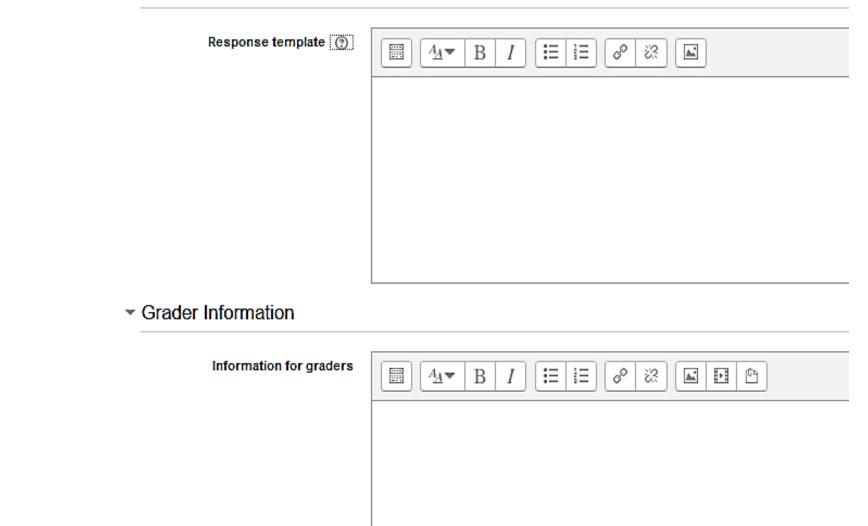
How to design an essay question

For an essay question we use the previously mentioned method





Response Template



Not important

Essay question in renal pharmacology

Please answer the following:

- 1. Mention 4 drugs with their pKa values
- 2. Mention which drugs (of the above 4) reabsorption would be affected by changing urine pH
- 3. Don't use drugs examples from the tutorial
- 4. Don't use copy paste from your friends
- 5. You may answer either by submitting text directly or uploading a word file
- 6. Submission deadline is 6th of March
- 7. When you finish your answer click submit

Attempts allowed: 2

This guiz opened at Sunday, 11 March 2018, 1:00

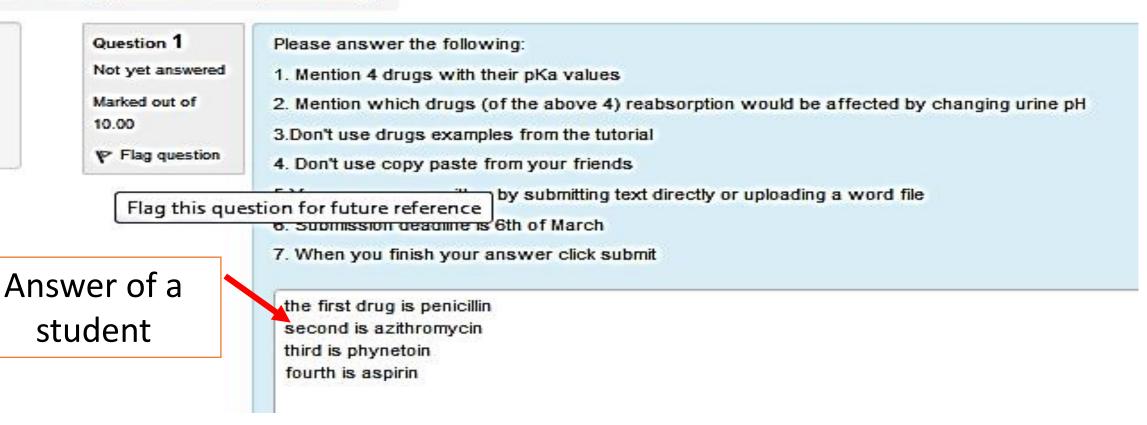
This quiz will close at Wednesday, 21 March 2018, 11

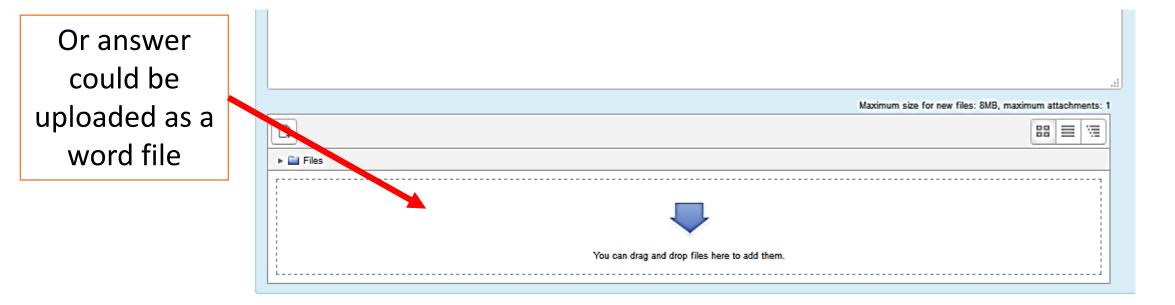
Grading method: Last attempt

Attempt quiz now

For a student the question would look like this

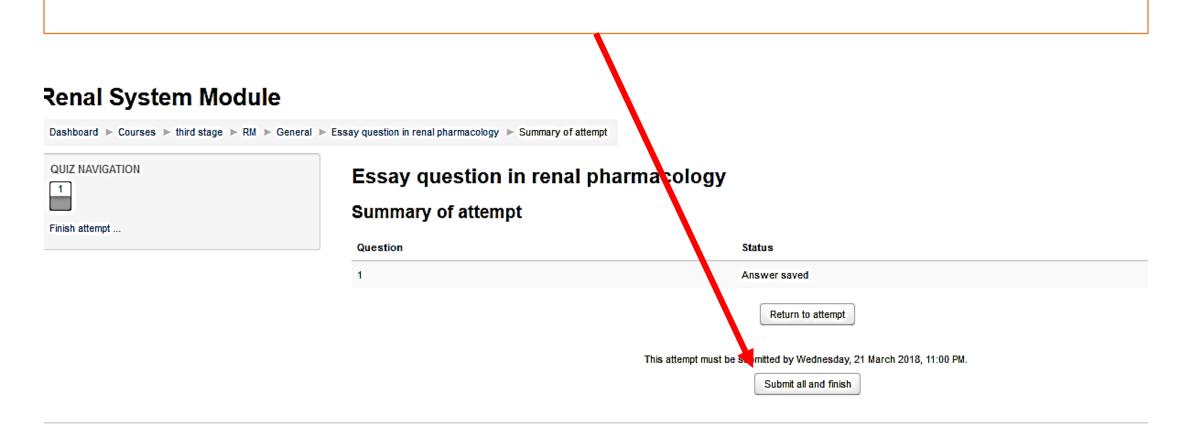
al 🕨 Essay question in renal pharmacology

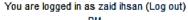


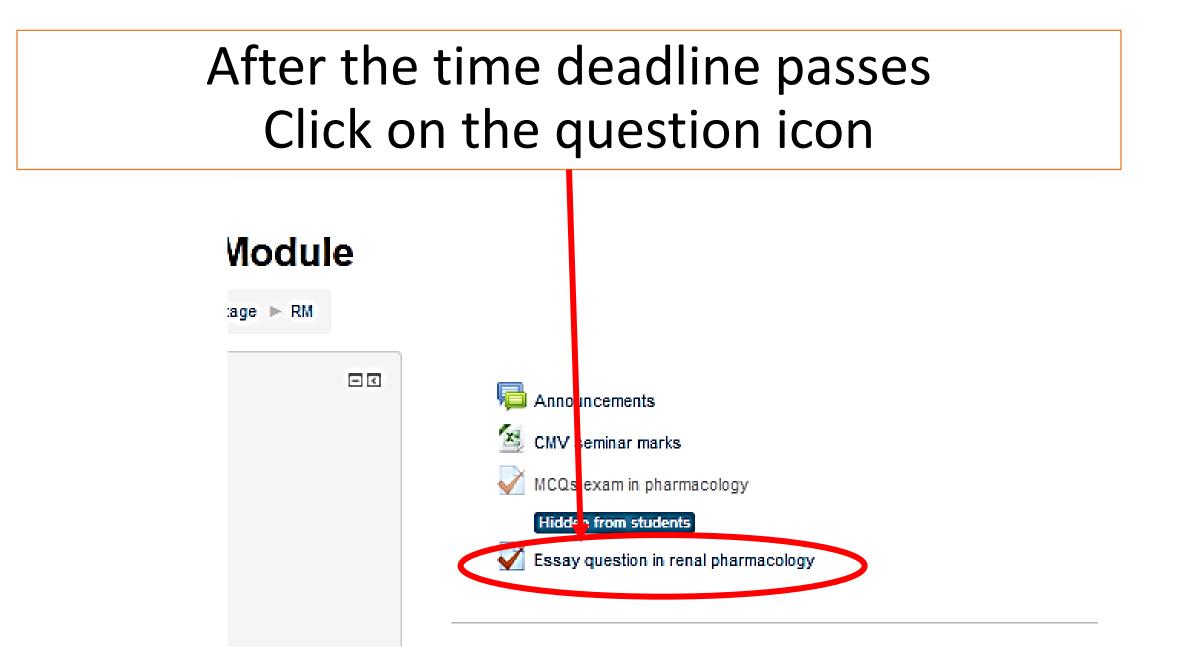


Finish attempt ...

Then , the student must click submit





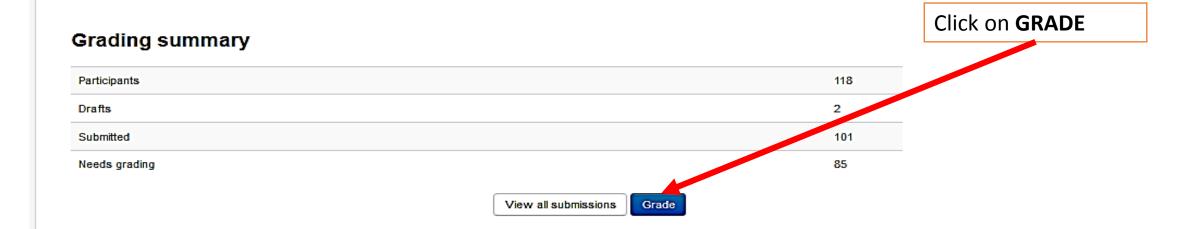


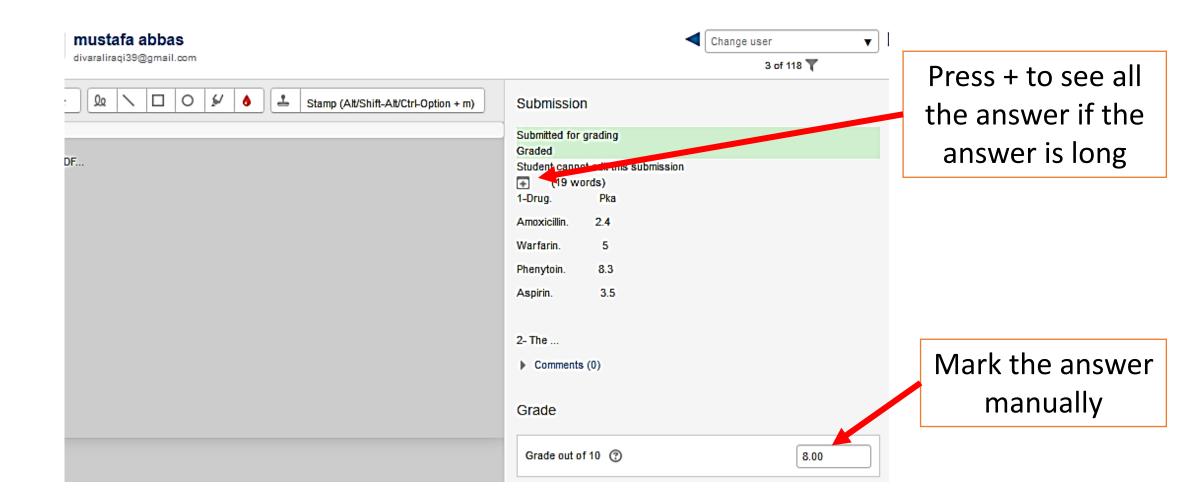
You would see this

Essay question

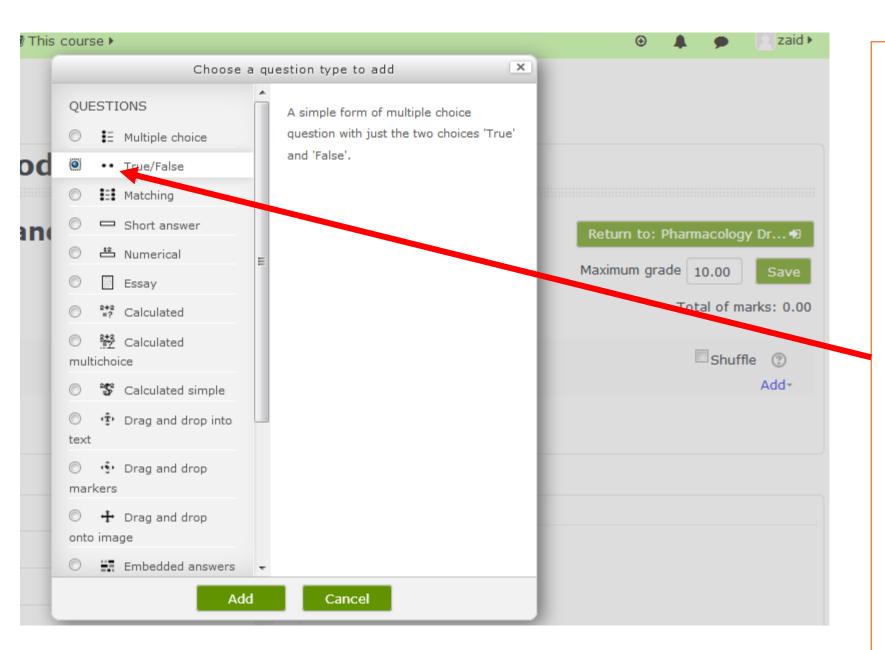
Please answer the following:

- 1. Mention 4 drugs with their pKa values
- 2. Mention which drugs (of the above 4) reabsorption would be affected by changing urine pH
- 3. Don't use drugs examples from the tutorial
- 4. Don't use copy paste from your friends
- 5.You may answer either by submitting text directly or uploading a word file
- 6. Submission deadline is 6th of March
- 7. When you finish your answer click submit





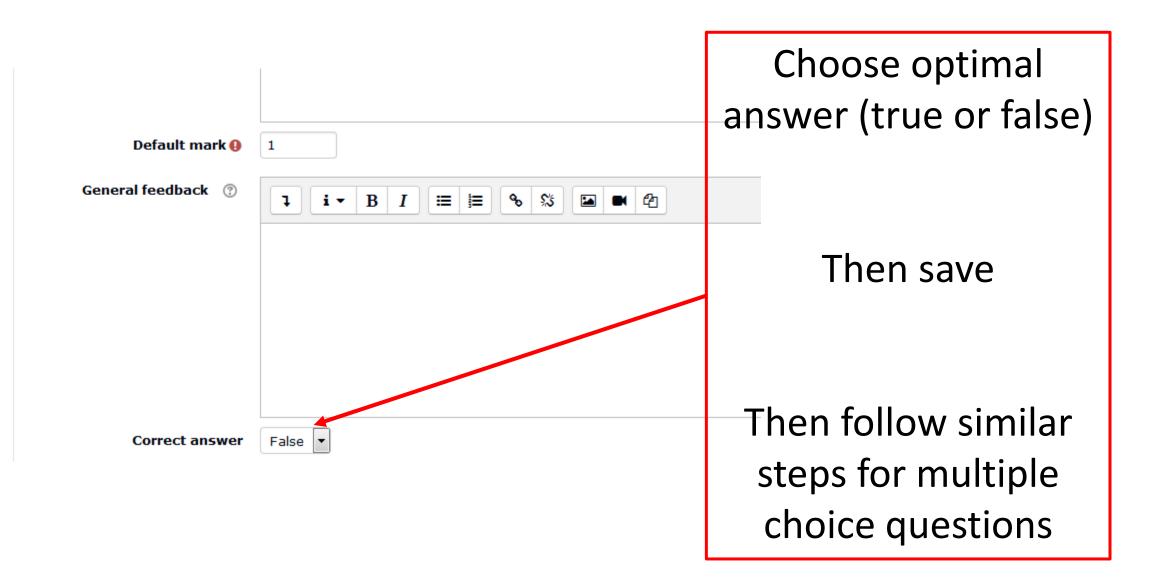
Then press the arrow to move to next student's answer mustafa abbas Change user divaraliraqi39@gmail.com 3 of 118 🍸 -Qo 0 4 + Pc. ٠ Stamp (Alt/Shift-Alt/Ctrl-Option + m) i≡ | ì≡ P :55 <u>.</u> $A_{\underline{A}} =$ в Ι the PDF... Attempt settings Attempts reopened Manually Maximum attempts 2 Attempt number 1 Allow another attempt -No Notify students 🔽 Save changes Reset



If you choose true and false type

then click add

Category	Default for RM (16)	Write the text of the question			
Question name 9	1				
Question text 9	↓ i • B I ≔ ≡ % ∞ 🖬 ■ 🕰				
	the main neurotransmitter in addiction is <u>noradrenaline</u>				
Default mark 😣	1				
ieneral feedback	Image: Save changes Cancel				



For the best training on moodle

• It is recommended that the lecturer has a **mock account as a student** so that after setting the quiz , the teacher logs in as a student trying to answer the questions by himself to check any errors in setting

