## Setting an online exam using moodle

prepared by<br>Dr. Zaid Al-Attar

## ONLINE

flory

## Dr. ZAID AL-ATTAR

- 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

Contact emails: zaidattar77@gmail.com
zaidattar@kmc.uobaghdad.edu.iq

## 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

## E-Learning

Social networks
©0


Forgotten your username or password?
Cookies must be enabled in your browser

Some courses may allow guest access
Log in as a guest


## Now let's click third stage for example



## Now please click the renal system module

## Al-Kindy College of Medicine E-Learning

Dashboard $>$ Courses $>$ third stage

NAVIGATION
$\square \square$
Dashboard

- Site home
- Site pages
- My courses
- P1
- P2
- G1
- G2
- NM
- HL
- MS
- D
- R
- C
- More
- Courses


## Now you click TURN EDITING ON



## Now please click ADD AN ACTIVITY OR RESOURCE

－Course administration
察 Edit settings
－Turn editing off
准 Course completion
－Users
$\checkmark$ Filters
－Reports
察 Gradebook setup
－Badges
ث Backup
む Restore
ঊ Import
D Reset
－Question bank
$\qquad$
－MS
－D
－R
－ C
－More
－Courses

## Now please select Quiz



$$
\text { Dashboard }>\text { Courses }>\text { third stage }>\mathrm{RM}
$$

NAVIGATION

## Dashboard

- Site home
- Site pages
- My courses
- P1
- P 2
- G1
- G2
- NM
- HL
- MS
- D
- R
- C
- More
- Courses


## Here you write the title and a short description of your quiz

- General

> Timing
* Grade


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

- Layout
- Question behaviour
* Review options (3)
- Appearance
- Extra restrictions on attempts
- Overall feedback
- Common module settings
- Restrict access
- Activity completion
, Tags
- Competencies


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

```
E-Learning
    third stage
        * EM
        * CH
        * RM
```

Display description on course
page
(?)
Time allowed for each student to answer since his logging time.
(I prefer to keep it disabled)


```
Submission grace period (?) 1 days \nabla}\square\mathrm{ Enable
```

```
Submission grace period (?) 1 days \nabla}\square\mathrm{ Enable
```

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

- Grade



## Here you may specify how many questions shown per page. I prefer every question




- Question behaviour



## 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 Adaptive mode and Adaptive mode (no penalties) لار الاجابة 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.

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

## Immediate feedback يقدم الاجابة مرة واحدة ويحصل على التقييم انيا

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)  والارجة

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 <br> (3)

During the attempt

ป The attempt (?Whether correct (?)Marks (?)Specific feedback (?)General feedback ?Right answer ?$\square$ Overall feedback ©?

Immediately after the attempt
$\square$ The attemptWhether correctMarksSpecific feedbackGeneral feedbackRight answerOverall feedback

Later, while the quiz is still openThe attemptWhether correct
$\square$ Marks
$\square$ Specific feedback
$\square$ General feedback
$\square$ Right answer
$\square$ Overall feedback

After the quiz is closed

V The attempt
$\square$ Whether correct
V Marks
V Specific feedback
v General feedback
V Right answer
( Overall feedback

## Then you specify the appearance of quiz

- Appearance

show more..


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

- Overall feedback
(3)



## Other options: show on course page if you like students to start the quiz

- Common module settings



# Leave this as none or you may add restrictions to allow certain students or certain lecturers by putting a password 

$\checkmark$ Restrictaccess

Access restrictions None

Add restriction...

## Leave these options as shown below

## - Activity completion



- Tags

Tags No selection

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

- Competencies



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



This icon will return you back to edit previously mentioned settings

By Clicking SHOW, students would be able to see the question
Then to add questions one by one ...click on the icon

## Click Edit quiz

## MCQs exam in pharmacology

This quiz will assess your knowledge about renal system pharmacology


## Editing quiz: MCQs exam in pharmacology 0

Questions: 0 | Quiziclosed (pons 15003/18, 01:00)

Repaginate Select multiple items

## Click add to start adding questions one by one



Total of makrs: 0.00

## Select new question

2
$>$ General $\downarrow$ MCQs exam in pharmacology $>$ Edit quiz
Fditinc quiz: MCQs exam in pharmacology ©
If you have
Hiz closed (opens 15/03/18, 01:00) previously

Select multiple items

+ a new question saved
questions, or questions of previous years


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

## You will get this page

## Editing a Multiple choice question ©

## General



Specify the mark (grade) of an correct answer


General feedback (7) | 圌 | B | $I$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\vdots$ | $\vdots$ |  |

## Choose ONE ANSWER

One or multiple answers? One answer only

Shuffle the choices? (?)

Number the choices?
A., B., C., ... -

## Then you write Choices 1 and 2

- Answers



## Then you write Choices 3 and 4



- Be careful when you have shuffling of choices is ON :

1. Don't write :All of the above in the last choice this would cause confusion for the students and incorrect scoring. Instead, write: ALL of the other options
2. Don't write: A and B are correct, B + C are correct

## Here you may add some automatic feedback




Keep this 0\%
If you allow multiple tries (in setting). Here you may specify a penalty in the form of percentage of the mark

Hint 2 options
$\square$ Clear incorrect responses $\square$ Show the number of correct responses

[^0]
## Click save changes or you may do a preview



## To add more questions to this MCQs exam click add（before or after）

Editing quiz：Mcqs exam in pharamcology
Repaginate $\quad$ Select multiple items
1 ：二小⿻⿰丿乛⿱丨又⿱丆贝： 1 Regarding urinary antiseptics the true statement is
$Q \times \frac{1.002}{1 \text { Add }}$

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



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



| Moodle Penalty |
| :---: |
| system allows |
| you only to |
| penalize false |
| choices when |
| you click them as |
| true |
|  |
| again make sure |
| that the total |
| score is $100 \%$ |



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

Turn editing off

Edit
Edit - $\Omega$
Edit $-\sqrt{-}$
Edit - 8
Edit-2 $\sqrt{6}$

Edit-8 $\sqrt{\mathbf{J}}$

## 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 crash.
- 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

```
Select a category:
    Default for CH (12)
```

The default category for questions shared in context ' CH '.
Search options $\boldsymbol{\nabla}$
VAlso show questions from subcategories
VAlso show old questions

```
    T —Question
    17:三 1 In alcohol addiction
```



```
    4 :- 2 In drug addiction, the term craving means:
    \ := 3 delta fos b has a role in
    IV:=4 the main neurotransmitter in addiction is
    f 粗:= 5 Benzodiazepines
    4\square:= 6 Alcohol
    4|:# 7 Methamphetamine
```



```
    4\square:\Xi 9 steroids
```


## Make sure the maximum grade equals the sum of all questions score then click save



## 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 $>$ Cours
QUIZ NAVIGATION
$1+2,3$


Finish attempt
Start a new preview

## naVIGATION

$\square \square$
Dashboard

- Site home
- Site pages
- My courses
- P1
- P2
- G1
- G2

You can preview this quiz, but if this were a real attempt, you would be blocked because:
This quiz is not currently availar, e


# Quiz Appearance for a student 

## For students the question would appear like this

## Renal System Module


pathology lectures

## The students should click on right answer(s)

## Renal System Module



## Next question

Dashboard $>$ Courses $>$ third stage $>$ RM $>$ General $>$ MCQs exam in pharmacology

QUIZ NAVIGATION


Finish attempt

Question 2 Not yet answered Marked out of 1.00 PFlag question

Alkalinization of urine:

## 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


## Next question

## Renal System Module

Dashboard $>$ Courses $>$ third stage $>$ RM $>$ General $>$ MCQs exam in pharmacology

| QUIZ NAVIGATION | Question 3 | Regarding urinary antiseptics, the true statement is: |
| :---: | :---: | :---: |
| 13 | Not yet answered <br> Marked out of 1.00 |  |
| Finish attempt ... | P Flag question | Select one or more: |
|  |  | $\square$ A. Used in upper UTI |
|  |  | $\square$ B. Used in both acute and chronic UTI |
|  |  | $\square$ C. Have a good systemic effect |
|  |  | $\square$ D. Used in lower UTI |

## Then student should click submit for the answer to be counted

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

```
Dashboard }>\mathrm{ Courses }>\mathrm{ third stage }>\textrm{RM}>\mathrm{ General }>\mathrm{ MCQs exam in pharmacology }>\mathrm{ Summary of attempt
```



Finish attempt

## MCQs exam in pharmacology

Summary of attempt

| Question | Status |
| :--- | :--- |
| 1 | Answer saved |
| 2 | Answer saved |
| 3 | Answer saved |
|  | Return to attempt |

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

QUIZ NAVIGATION<br><br>Show one page at a time<br>Finish review

| 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 |
| :--- |
| Incorrect |
| Mark 0.00 out of |
| 1.00 |
| P Flag question |

Regarding methenamine the true choice is:

## 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 $X$


## Your answer is incorrect

The correct answer is: Acts as bactericidal

## Next question

Question 2
Correct
Mark 1.00 out of
1.00

PFlag question

Alkalinization of urine:

Select one:
(อ) A. Increases the action of co-trimoxazole $\sqrt{ }$

- 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

Question 3
Correct
Mark 1.00 out of
1.00

PFlag question

Regarding urinary antiseptics, the true statement is:

Select one or more:
$\square \quad$ A. Used in upper UTI
B. Used in both acute and chronic UTI
$\square \quad$ C. Have a good systemic effect
D D. Used in lower UTI $\checkmark$

## Your answer is correct.

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
Renal System Module
Dashboard $>$ Courses $>$ third stage $>R M$

NAVIGATION
Dashboard
Dashboard
－Site home
－Site pages
－My courses
－P1
－P2
－G1
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－MS
－D
－R
－ C
－More．
－Courses
－third stage
－EM
－ CH

pathology lectures
直 Glomerulonephitisis lec 1 and 2
面 tubulointerstitial disease ..... $\square$
自 Renal tumors ..... $\square$
但 presentation of the lectures ..... $\square$
自 practical pathology labs ..... ㅁ
直 Seminar pathology of bladder 12 ．2mb Pof dooument ..... $\square$
苗 Seninar bladder pathology 2 2MB Pop foument

## You would get this. Click ATTEMPTS

## MCQs exam in pharmacology

This quiz will assess your knowledge about renal system pharmacology


## It would look like this



## 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 haver or have notr attempted thequiz ד
Attempts that are FIn progress Fowerdue Finished Feversubmitted
Show only attempts $\square$ that have been regraded/are marked as needing regrading

- Display options

Page size 30


First name A. All A B


## You may click download to get Excel file of all students scores



# 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




## Not <br> important

- Grader Information

Information for graders


## Essay question in renal pharmacology

Please answer the following:

1. Mention 4 drugs with their pKa values
2. Wention 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
5. Submission deadline is 6th of March
6. When you finish your answer click submit

Attempts allowed: 2
This quiz opened at Sunday, 11 March 2018, 1:00
This quiz will close at Wednesday, 21 March 2018, 1 .
Grading method: Last attempt

## For a student the question would look like this

al Essay question in renal pharmacology



## Then , the student must click submit

## Zenal System Module

Dashboard $>$ Courses $>$ third stage $>$ RM $>$ General $>$ Essay question in renal pharmacology $>$ Summary of attempt

## QUIZ NAVIGATION



Finish attempt .


## After the time deadline passes Click on the question icon

## Vodule



Essay question in renal pharmacology

## You would see this

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




Then press the arrow to move to next student's answer





## 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



[^0]:    Add another hint

