

# Challenges in conducting online examination from Moodle in Rural Area

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# Prerequisite

- **University of Mumbai** is conducting examination in **External** and **Internal** manner.
- External Examination is for **60 marks** and Internal Examination is for **40 marks**.
- Internal Examination contains Online Test for **30 marks**.

# Challenges:

- Internet Connectivity
- Question Bank Preparation.
- Communication with the Students
- Security.

# Methods followed

- Online Software Developed.
- Offline.
- Moodle.

# Method 1 : Online Examination Software

- Developed by Faculty Prof. Sanil C. Savale
- Network Support was given.
- Slow Performance was recorded.

# Method 2: Offline Test

- No Network Support
- Slow Response recorded

# Moodle

- Familiar Software.
- Community Support.
- No Cost.
- Network Supported.
- No need of Internet.
- Ease of Communication.

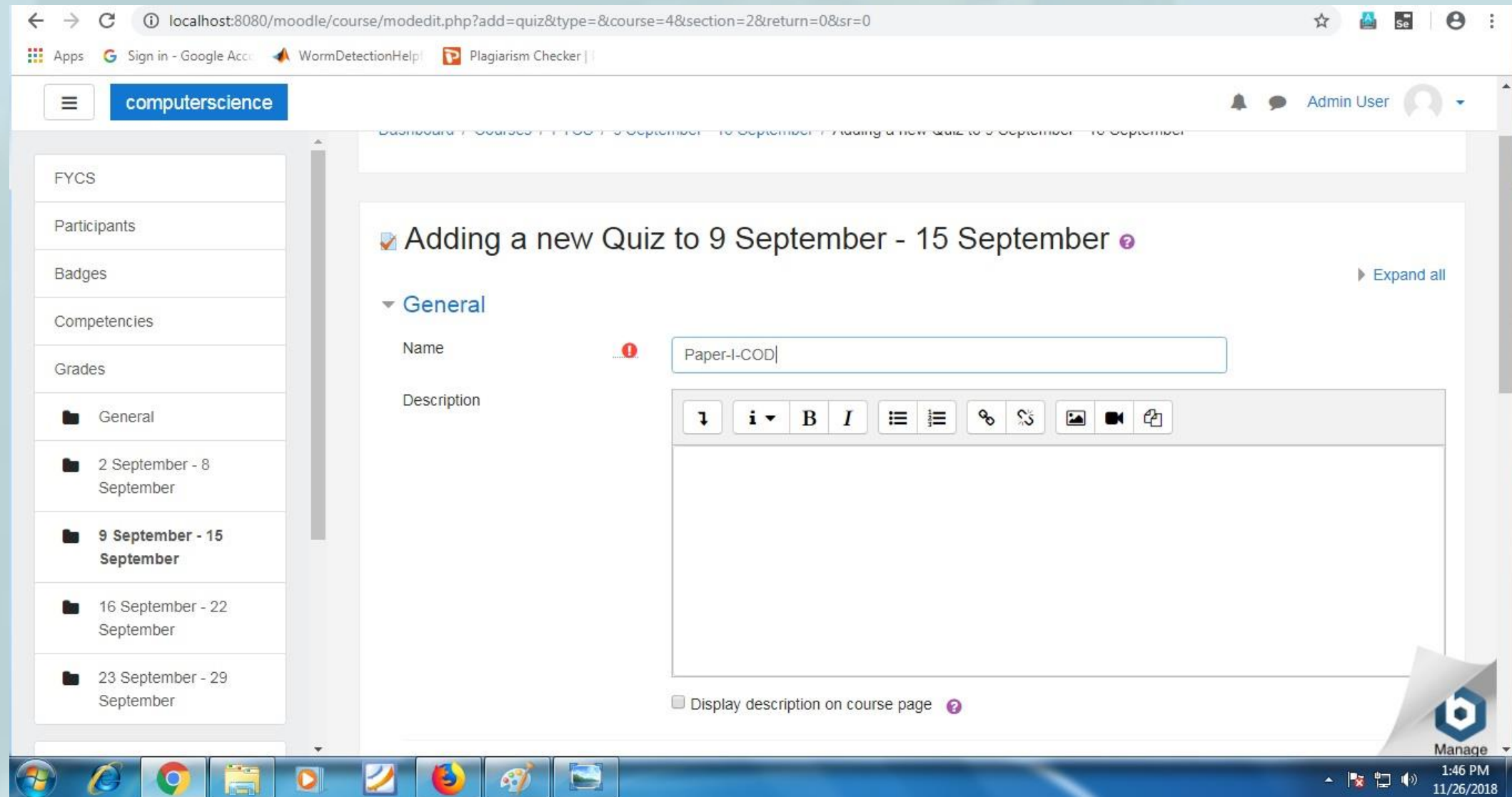


# Moodle

<b>Class</b>	<b>Student</b>	<b>Subject</b>	<b>Success Rate</b>
F.Y.B.Sc.	38	07	100%
S.Y.B.Sc.	22	05	100%
T.Y.B.Sc.	26	05	100%

<b>Class</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
<b>F.Y.B.Sc</b>	02/07 <b>(18%)</b>	07/07 <b>(100%)</b>	07/07 <b>(100%)</b>
<b>S.Y.B.Sc.</b>	02/05 <b>(40%)</b>	05/05 <b>(100%)</b>	05/05 <b>(100%)</b>
<b>T.Y.B.Sc.</b>	02/05 <b>(40%)</b>	05/05 <b>(100%)</b>	05/05 <b>(100%)</b>

# Adding a New Quiz



The screenshot shows a Moodle course edit page for a course named "computerscience". The page title is "Adding a new Quiz to 9 September - 15 September". The "General" section is expanded, showing the "Name" field with the value "Paper-I-COD" and a red warning icon. The "Description" field is empty and contains a rich text editor toolbar with icons for bold, italic, list, link, unlink, image, video, and help. A checkbox labeled "Display description on course page" is unchecked. The left sidebar shows a course structure with folders for "General" and several date ranges, with "9 September - 15 September" selected. The bottom of the screen shows a Windows taskbar with various application icons and a system tray with the date and time "1:46 PM 11/26/2018".

localhost:8080/moodle/course/modedit.php?add=quiz&type=&course=4&section=2&return=0&sr=0

computerscience

Admin User

## Adding a new Quiz to 9 September - 15 September

Expand all

**General**

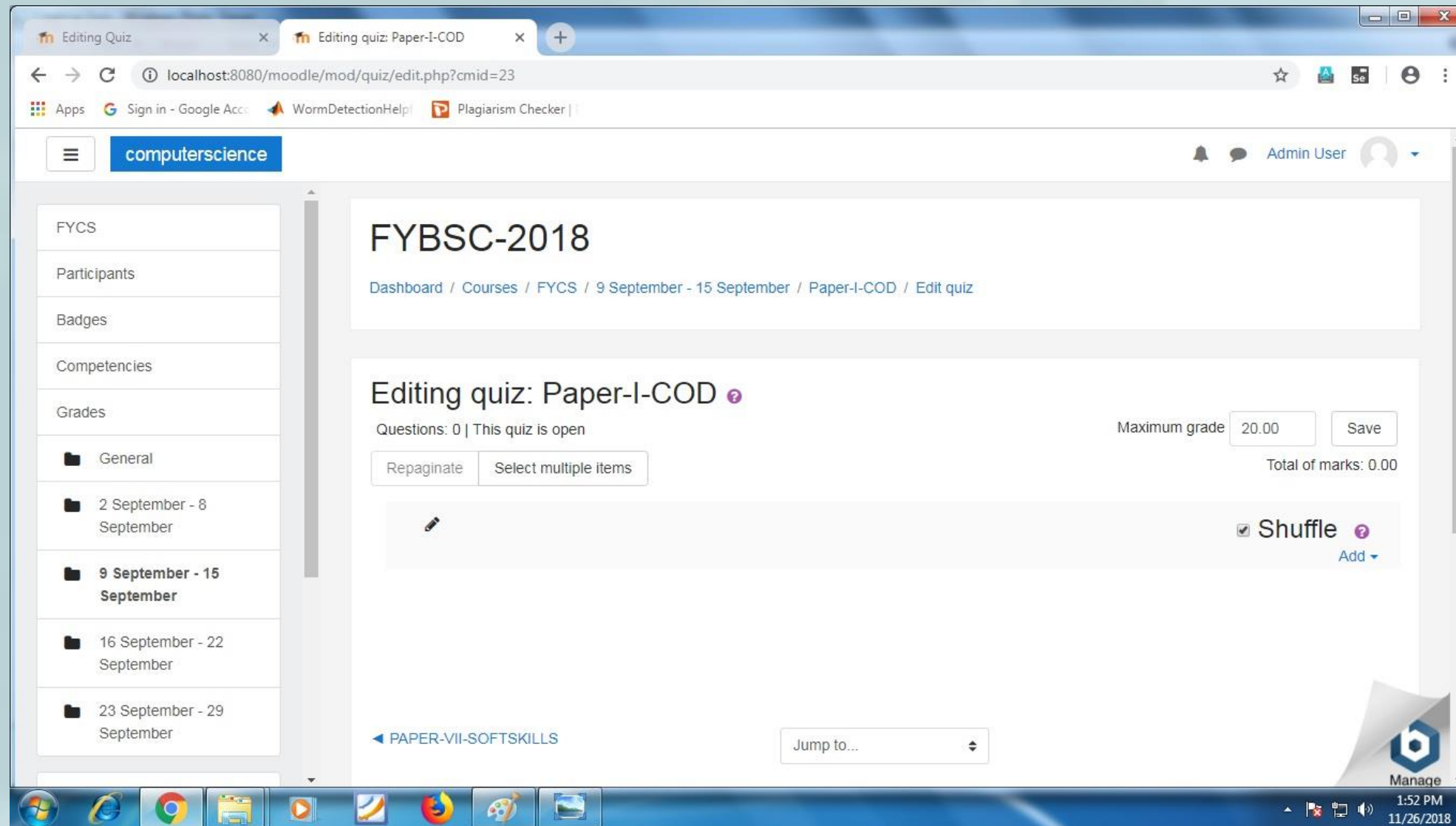
Name ! Paper-I-COD

Description

Display description on course page

Windows taskbar: 1:46 PM 11/26/2018

# Adding Questions



The screenshot shows a web browser window with two tabs: "Editing Quiz" and "Editing quiz: Paper-I-COD". The address bar shows the URL: localhost:8080/moodle/mod/quiz/edit.php?cmid=23. The browser's taskbar at the bottom includes icons for Windows, Internet Explorer, Google Chrome, File Explorer, VLC, Firefox, and Paint. The system tray shows the time as 1:52 PM on 11/26/2018.

The Moodle interface displays the course "computerscience" and the quiz "FYBSC-2018". The left sidebar contains a navigation menu with options: FYCS, Participants, Badges, Competencies, Grades, and a folder containing "General", "2 September - 8 September", "9 September - 15 September", "16 September - 22 September", and "23 September - 29 September".

The main content area shows the quiz editing page for "Paper-I-COD". It includes the following elements:

- Header: "FYBSC-2018" with a breadcrumb trail: "Dashboard / Courses / FYCS / 9 September - 15 September / Paper-I-COD / Edit quiz".
- Section: "Editing quiz: Paper-I-COD" with a status "Questions: 0 | This quiz is open".
- Form: "Maximum grade" set to "20.00" with a "Save" button.
- Summary: "Total of marks: 0.00".
- Options: "Repaginate" and "Select multiple items" buttons.
- Feature: A "Shuffle" checkbox is checked, with an "Add" dropdown menu.
- Footer: A "Jump to..." dropdown menu with "PAPER-VII-SOFTSKILLS" selected.

# Creating Quiz

The screenshot shows a Moodle course page for 'computerscience' with a modal dialog open to add an activity. The dialog lists various activities, with 'Quiz' selected. The background shows course sections for FYCS with dates and student counts.

**Course: FYBSC-2018**  
localhost:8080/moodle/course/view.php?id=4&notifieditingon=1

**computerscience**

**ACTIVITIES**

- Assignment
- Chat
- Choice
- Database
- External tool
- Feedback
- Forum
- Glossary
- Lesson
- Quiz**
- SCORM package
- Survey

The quiz activity enables a teacher to create quizzes comprising questions of various types, including multiple choice, matching, short-answer and numerical.

The teacher can allow the quiz to be attempted multiple times, with the questions shuffled or randomly selected from the question bank. A time limit may be set.

Each attempt is marked automatically, with the exception of essay questions, and the grade is recorded in the gradebook.

The teacher can choose when and if hints, feedback and correct answers are shown to students.

Quizzes may be used

- As course exams
- As mini tests for reading assignments or at the end of a topic

**Buttons:** Add, Cancel

**Background Course Content:**

- FYCS
- Participants (+ 9 S)
- Badges (+ 16)
- Competencies (+ 23)
- General
- 2 September - 8 September
- 9 September - 15 September
- 16 September - 22 September
- 23 September - 29 September

**System Tray:** Moodle Docs, 1:42 PM 11/26/2018

# Login as Students

The screenshot shows a web browser window with the following details:

- Browser Tab:** Computer Science: Log in to the : x
- Address Bar:** Not secure | 192.168.1.8:8080/moodle/login/index.php
- Taskbar:** Shows icons for Windows, File Explorer, Edge, and other applications.
- System Tray:** Shows the date and time as 2:01 PM on 11/26/2018.

The main content area displays the Moodle login interface for the course "Computer Science":

- Form Fields:** Username and Password input boxes.
- Remember Username:** A checkbox labeled "Remember username" which is currently unchecked.
- Log in Button:** A blue button labeled "Log in".
- Forgot Password Link:** A blue link labeled "Forgotten your username or password?".
- Cookie Notice:** A message stating "Cookies must be enabled in your browser" with a help icon.
- Guest Access:** A message stating "Some courses may allow guest access" and a button labeled "Log in as a guest".

At the bottom of the page, there is a dark grey bar with the text "You are not logged in." and a link to "Home". A "Manage" button with a hexagonal icon is also visible in the bottom right corner.

FYCS: PAPER-I-COD

Not secure | 192.168.1.8:8080/moodle/mod/quiz/view.php?id=2

Apps Caesar cipher1 Aadhar

computerscience Fahad Kazi

FYCS

Participants

Badges

Competencies

Grades

- General
- 2 September - 8 September
- 9 September - 15 September
- 16 September - 22 September
- 23 September - 29 September

Dashboard

Attempts allowed: 2

Time limit: 45 mins

Grading method: Highest grade

Sum

Start attempt

Timed quiz

The quiz has a time limit of 45 mins. Time will count down from the moment you start your attempt and you must submit before it expires. Are you sure that you wish to start now?

Start attempt Cancel

Review

Review

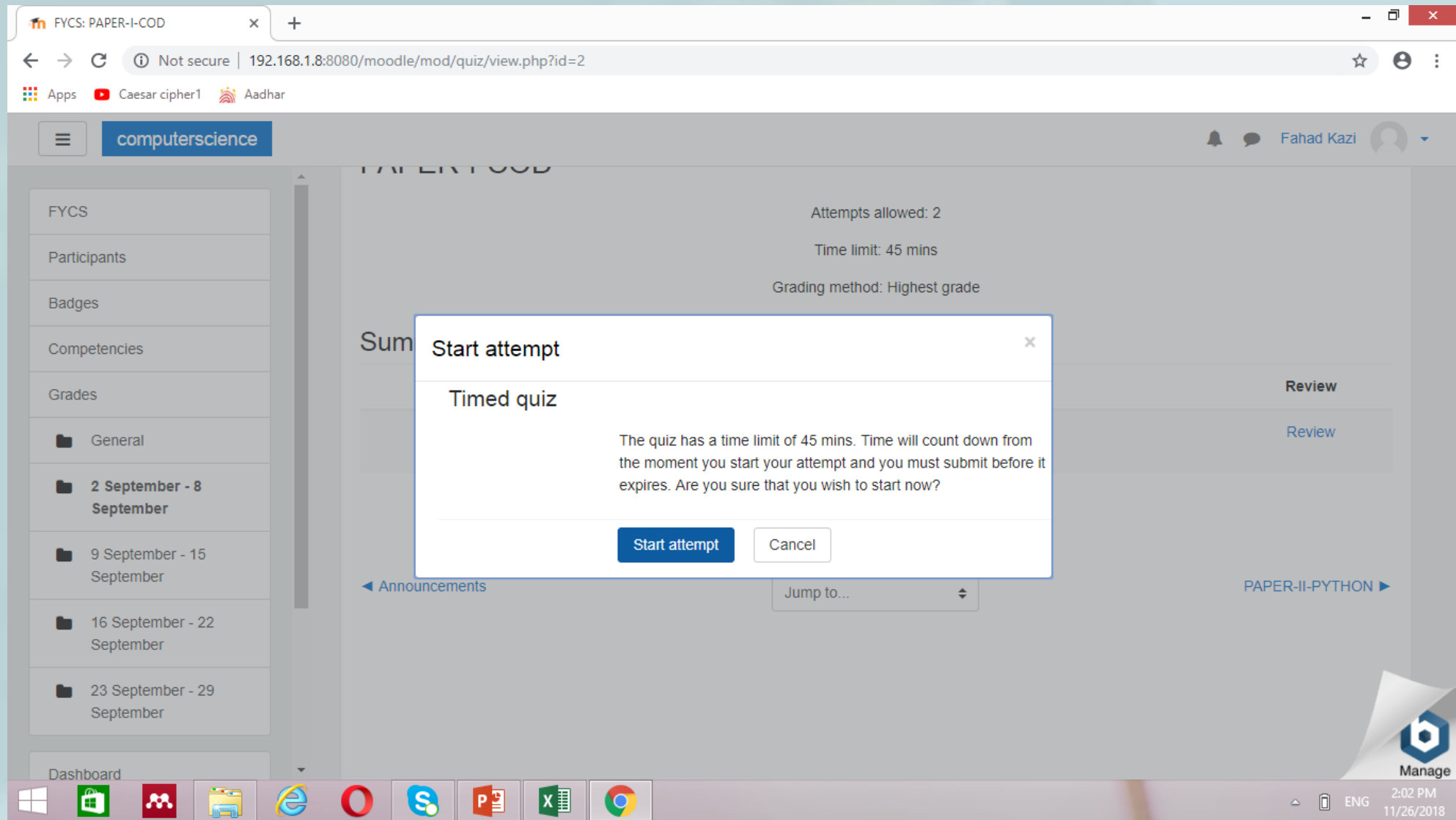
Announcements

Jump to...

PAPER-II-PYTHON

Manage

2:02 PM 11/26/2018





# Result

The screenshot shows a web browser window displaying a Moodle quiz attempt page. The browser's address bar shows the URL: `192.168.1.8:8080/moodle/mod/quiz/attempt.php?attempt=791`. The page title is "FYBSC-2018". The user is logged in as "Fahad Kazi".

The page layout includes a left-hand navigation menu with the following items: FYCS, Participants, Badges, Competencies, Grades, General, 2 September - 8 September (selected), 9 September - 15 September, 16 September - 22 September, and 23 September - 29 September. Below the menu is a "Dashboard" link.

The main content area displays the quiz title "FYBSC-2018" and a breadcrumb trail: [Dashboard](#) / [My courses](#) / [FYCS](#) / [2 September - 8 September](#) / [PAPER-I-COD](#).

Two questions are visible:

**Question 1**  
Not yet answered  
Marked out of 1.00  
Flag question

Which input values will cause an AND logic gate to produce a HIGH output?

Select one:

- a. One inputs are HIGH.
- b. One inputs are LOW.
- c. All inputs are HIGH.
- d. All inputs are LOW.

**Question 2**  
Not yet answered  
Marked out of 1.00  
Flag question

The output of an AND gate with three inputs, A, B, and C, is HIGH when \_\_\_\_\_.

Select one:

- a. A = 1, B = 1, C = 1
- b. A = 0, B = 1, C = 1
- c. none of these

The right-hand side of the page features a "QUIZ NAVIGATION" section with a grid of question numbers (1-20) and a "Finish attempt ..." button. Below the navigation is a timer showing "Time left 0:44:56".

The Windows taskbar at the bottom shows various application icons, including the Start button, File Explorer, Microsoft Edge, and several office applications. The system tray on the right shows the date and time: 2:03 PM, 11/26/2018.



# Result Files

- [F.Y.B.Sc COD Result.](#)
- [F.Y.B.Sc. Python Result.](#)
- [F.Y.B.Sc FOSS Result.](#)
- [S.Y.B.Sc. DM Result.](#)
- [T.Y.B.Sc DCN Result.](#)

# Question Type

Question Type	Possible/Not Possible
MCQ	Possible
Yes/No	Possible
Descriptive	Possible

# Conclusion:

- Test of 144 Students (Batch of 48 Students).

Method	Success Rate	No of Days Taken for the Result
Online Examination Software	80%	3 days.
Offline Test	100%	7 days.
Moodle	100%	1 day.

# Thank You

