



Overview & Features of **COMPUTER BASED TEST SYSTEM**

for

WEB BASED ONLINE TEST

or

INTRANET BASED TEST IN CLASS OR LAB

or

ONLINE FEEDBACK AND SURVEYS

With Interface For

ANDROID SMARTPHONE & TABLETS



CONTENTS

KEY FEATURES & HIGHLIGHTS

INTRODUCTION & GENERAL FEATURES

1. Introduction
2. Advanced Features & Extensions
3. Website Integration
4. Branding & White Labelling
5. Payment Gateway
6. Android App Interface

CANDIDATE INTERFACE (DURING TEST)

7. Candidate Dashboard
8. Test Solution Interface

ADMINISTRATOR INTERFACE (BEFORE & AFTER TEST)

9. Administrative User Control
10. Candidate Registration
 - 10.1. Backend Registration by Admin
 - 10.2. Online Registration by Candidate
 - 10.3. Demo Test & Demo Registration
 - 10.4. Login Credentials to Candidate
 - 10.5. Test Allocation to Candidate
11. Test Administration
 - 11.1. Test Definition
 - 11.2. Test Schedule and Duration
 - 11.3. Question Grouping & Sections
 - 11.4. Question Order & Shuffling
 - 11.5. Marking Schemes
12. Question Paper Creation and Upload
 - 12.1. Question Paper Creation
 - 12.2. Question Paper Content
 - 12.3. Word File Input Format
13. Result Display (Incorrect Questions, Solution)

Please Note about this document :

- Features mentioned in this document are super set of all features spread over all modules and versions that include Computer Based Test or Computer based Feedback or Android App for Smartphones and Tabs.
- Some features may not essentially be a part of the version and module of the Software under procurement or the mode of implementation chosen.
- Optional features or features that are a part of higher versions have been (#) marked.

Separate Annexures

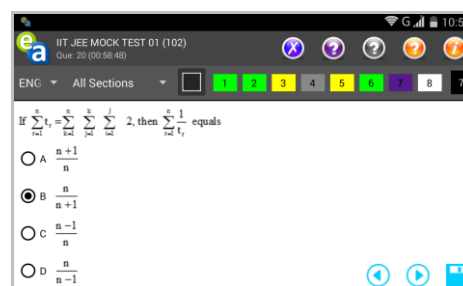
1. **Addmen Sample Assessment Reports.PDF**
2. **D(CBT) Modules and Price.PDF**
3. **B(APP) Addmen EduApplet Features.PDF**
4. **DE(APP) Price and Terms.PDF**
5. **Online Services Performance.PDF**
 - a) Introduction
 - b) Factors that affect the performance
 - c) Definition of Terms (User/Login/Test/Attempt/Token)
 - d) Understanding the Concept of "Load" in terms of Online Test/Services
 - e) Concurrent User Logins
 - f) Server factors that affect performance
 - g) Suggested Server configuration
 - h) Network factors that affect the performance
 - i) Solution for Large Scale Online Exams
 - j) Suggested approach for optimal use

KEY FEATURES & HIGHLIGHTS**1. Introduction**

- a) Addmen Computer Based Test System (CBT) is a generic platform which can be used to conduct any type of Test according to different exam patterns. It is not specific to any particular Test or Exam pattern and contains a superset of features involved in all such exams.
- b) This is a Browser based software, the user interface of which can be run on any computer with the recently prevalent configurations, having any OS with common browsers, though Google Chrome is recommended.
- c) It can be used for conducting test with following setups:
 - i. **Web Based Online Test:** where the candidate attempts the test in internet browser on a windows computer at his home or Cyber café.
 - ii. **Online Test on Android Smartphones and Tabs:** where the candidate attempts the test in EduApplet installed on his Android Tab/Smartphone.
 - iii. **Intranet Based Test in Lab/Class:** where candidate attempts test in internet browser on a computer in the institute Lab connected to the server in the Lab through local intranet.
 - iv. **Offline Computer Based Test using Android Device or Desktop interface:** where the candidate temporarily connects his Computer/ Tab/ Smartphone at his home or Cyber café or Lab, to the Lab-server or internet-server, downloads the test on his device, solves the test offline, and later connects again through internet to upload.
- d) The layout of the Test screen might differ from specific exam patterns but a superset of features is available and almost all major features are available. Choice of many different preset layouts are available for IBPS etc.
- e) Computer Based Test System is a module of Enhanced Campus Automation System.

2. Advanced Features & Extensions

- a) #The system is integrated with **OMR** evaluation system. This allows the same test paper to be conducted partly offline and partly online and results from both type of candidates can be collated.
- b) #The system has the provision of an **Android** interface for solving the tests.
- c) #The system has the provision of an integrated **Quizpad** to conduct live quiz in the classrooms where the students can instantly respond to the questions made live on the screen.
- d) #The system has the provision of integrated **Feedback** system which can be used for open surveys, questionnaires and also to take feedback for any particular test paper.

**Test Interface on Smartphone**

3. Website Integration

- To connect this Online Test Software to your website, you can add a **"Online Test"** link to your webpage. The link will open the software's Login Page in new window or inside a designated webpage on your website. This link is provided by us in email once you have purchased a license or a lease account.
- Alternatively, the "Login Box" can be added directly to the webpage, using which the candidate can directly log into Online Test System. To add login box, we provide a simple HTML code, which can be added to your webpage by your own web developer.
- If you want to register students for Online Test from your website, then add the online test software's **"Website Registration Interface"** to your website. It is again provided as a simple HTML code that can be added to your webpage by your own web developer.

Online Vikalp Education
Refine Your TALENT

Home About Us Contact Us

Username: Login

Forgot password? Sign Up

Engineering Competitive Aptitude Management Blog Clientele

Student Sign Up

NAME/SURNAME* Ashish Kushwah FATHER NAME MOTHER NAME

PERMANENT ADD COLLEGE/INSTITUTE NAME* Indian Institute of Management

COUNTRY CITY* Gwalior PIN PARENT PH STUDENT MOBILE NO.* 9229113500

GENDER* MALE BIRTH DATE* 12-May-1983 ADDRESS EMAIL* ashishraj1210@gmail.com

COURSE* Banking QUALIFICATION* BBA

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Online Registration Form on Website

- If you want the candidate to view the list of tests created inside the system and choose selective tests before they buy a test package, then the list of tests can be display on your website. This is also a simple ASPX code which can be added to the webpage by your web developer.

4. Branding & White Labelling

- Account is accessed through an anonymous link from an IP and appears to be a part of your website.
- Institutes Name is visible all over the Software and logo is visible on the Administrator & Candidate Dashboards.
- No domain name or identity of Addmen is exposed.

<http://YOURDOMAIN.XXX/Ecas/UserLogin.aspx?CData=4D726974756E6A6179>

- Each of the sub-accounts created under the major account can also have white labelled name & logo.

Login Panel**5. Payment Gateway**

- Payment Gateway facility is available in software. It can be activated if client has subscribed to a Payment Gateway account.
- The client has to procure the payment gateway for his website by submitting his credential to the Gateway provider and upon approval when he receives the logins to the Gateway account, they are shared with us for integration into the system.
- Online Test papers can bear individual prices or can be priced collectively as a group. The amount to be paid is obtained when a candidate selects a test package or individual tests.
- #PROMO CODE can be applied.

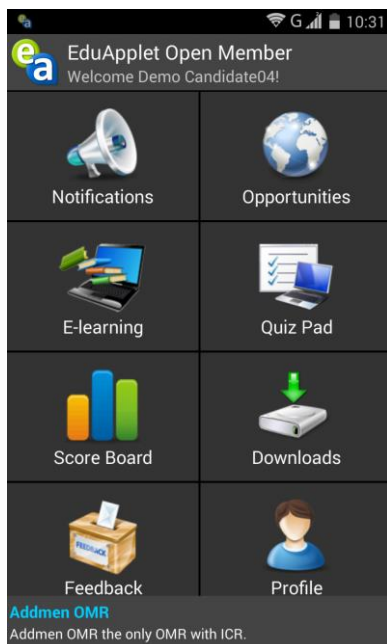
TEST	AMOUNT
<input checked="" type="checkbox"/> OVERALL PERFORMANCE TEST 01	500
<input type="checkbox"/> IIT JEE MOCK TEST 01	500
<input type="checkbox"/> IIT JEE MOCK TEST 02	500
<input type="checkbox"/> IIT JEE MOCK TEST 03	500
<input type="checkbox"/> P1 IIT JEE MOCK TEST 04	500
<input checked="" type="checkbox"/> P2 IIT JEE MOCK TEST 05	700
<input type="checkbox"/> IIT JEE MOCK TEST 06	600
<input type="checkbox"/> IIT JEE MOCK TEST 07	900
<input type="checkbox"/> ENGLISH SUBJECTIVE TEST	1000

TEST PACKAGES	AMOUNT
<input type="checkbox"/> GROUP A Description: OMR	3500
<input type="checkbox"/> GROUP B Description: OMR	2500

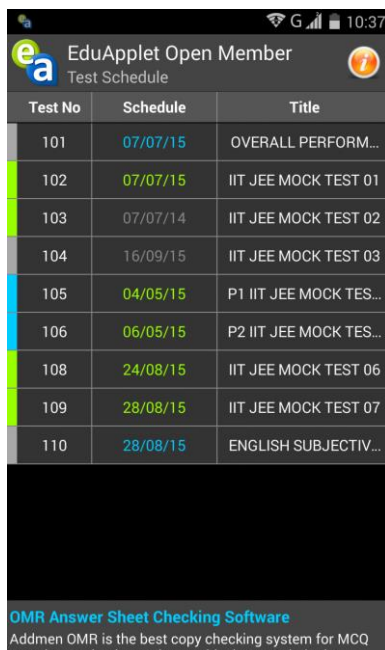
SELECTED ITEMS	
ITEMS	2
AMOUNT Rs.	1200
Buy	

6. Android App Interface for Smartphones and Tablets-

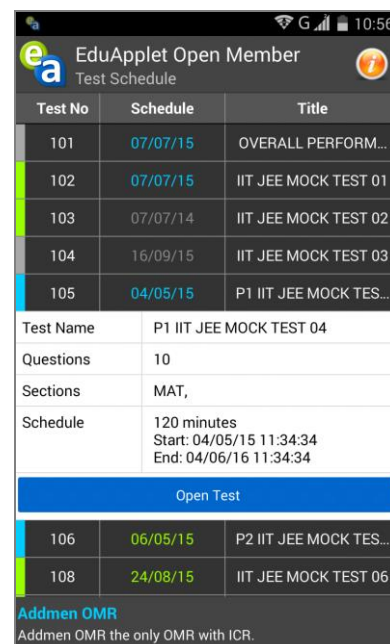
- Eduapplet is an extension of the CBT System where the same tests defined in the test system can also be attempted on the android handheld devices like smartphones and tabs.
- Tests can be displayed in 3 patterns-
 - Standard display like CBTs where questions are displayed one by one on screen.
 - OMR like display with printed MCQ testpaper and a virtual OMR Answer sheet on screen.
 - Quiz like display where same question is displayed to all candidates for a short duration.



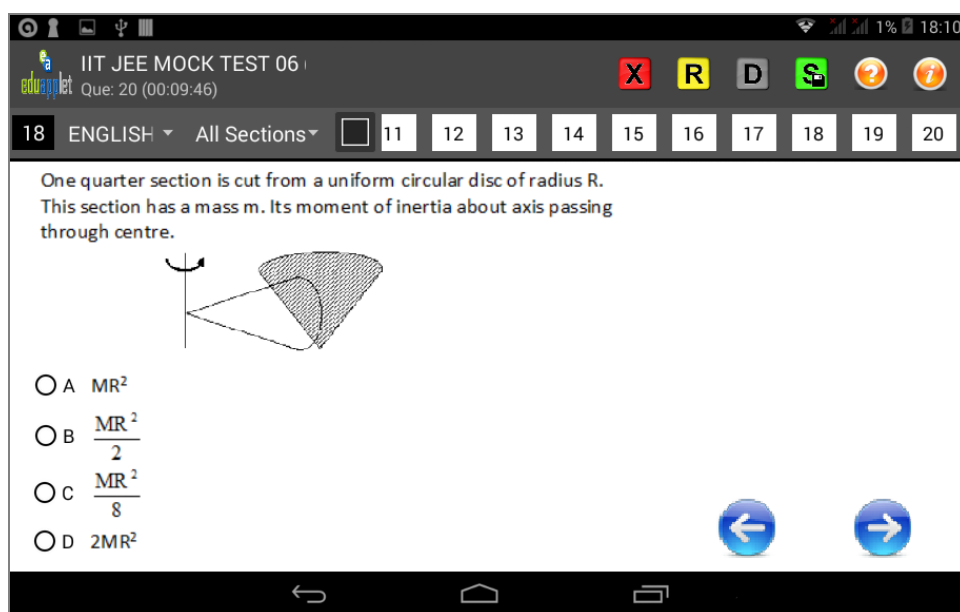
Eduapplet Main Menu Interface



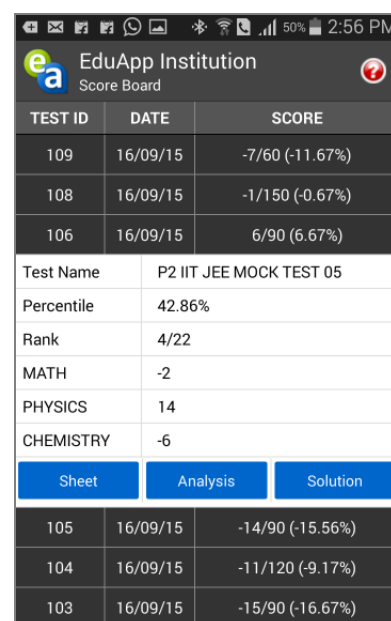
List of Tests; Green Flag: CBT; Blue Flag: OMR/Quiz; Grey Flag: OMR offline



Expanded list of tests with test details



Test Solution Interface on Android Smartphone



Result Interface on App

CANDIDATE INTERFACE FEATURES & PROCESS OF SOLVING THE TEST

ADDMEN COMPUTER BASED TEST SYSTEM

FEATURES OVERVIEW

CERTIFIED ISO 27001 & 9001

7. Candidate Dashboard

- Candidate can update his own basic information and change password if allowed by admin.
- The candidate can generate and print his own Admit card, in case it is needed for exam centre based tests.
- Study Material, Practice sheet, Assignments, Test Schedule and Time Table can be downloaded according to Group (Course/Batch) in Downloads Panel.
- If a test is created in advance, then before the activation period it will show in the list with label **"Upcoming"**. If the candidate has not started a test within the active period, it will show the label **"Missed"** after the active period is over, otherwise **"Open Test"** button will be shown if Candidate has not appeared for the Test, and if has taken test then **"View Result"** will be shown.
- All the SMS sent to the candidate are also visible in the communication log grid.
- Candidates can submit their complaints and issues from their dashboard.
- Candidates can also make online payments from inside their dashboard.
- The buttons and other components on the Candidate Dashboard panel can be hidden as per requirement.

**Addmen CBT Solution**

Automated with Addmen ECAS & EduApplet

Welcome Coaching Student01 [5000041]



Main Branch

MENU

Stay in touch with your Institute..


TEST SCHEDULE

Buy Test

TEST NO	TEST [SECTIONS]	Ques	MINs	SCHEDULE	
1001	IIT JEE Mock Test 03 [Chemistry, Maths, Physics]	30	30 min	30-Aug-2017 11:16 30-Sep-2017 11:16	Open Test
104	IIT JEE Test Simulated 03 (OMR Standard Sample) [Chemistry, Maths, Physics]	40	60 min	15-Jan-2016 10:00 15-Jan-2018 23:59	Buy Test
103	IIT JEE Mock Test 02 (Std Combined Sample) [Maths, Physics]	20	60 min	10-Jan-2016 10:00 31-Dec-2017 23:59	View Result
102	IIT JEE Mock Test 01 (Std Sample Online) [Maths, Physics]	20	60 min	05-Jan-2016 10:00 31-Dec-2017 23:59	Open Test

NOTIFICATION RECEIVED

DATE	COMMUNICATION
11-Dec-2016 RESULT	Result of Iit Jee Mock Test 02 (Std Sample Combine) DT:10-01, Coaching Student01, Phys:0/30, Math:-3/30, Total:-3/60 (0%).

Candidate Dashboard

8. Test Solution Interface

IIT JEE Mock Test 03 (1001)

Sections: Physics Chemistry Maths

English ▼

Q No.: 26
MARKS: +4, -0

Statement – I: The variance of first n even natural numbers is $\frac{n^2 - 1}{4}$

Statement – II: The sum of first n natural numbers is $\frac{n(n+1)}{2}$ and the sum of squares of first n natural numbers is $\frac{n(n+1)(2n+1)}{6}$

☒ (A). Both (I) and (II) are true and (II) is correct explanation of (I)
☐ (B). Both (I) and (II) are true and (II) is not correct explanation of (I)
☐ (C). (I) is true but (II) is false
☐ (D). (I) is false but (II) is true

Clear Response
Mark for Review & Next
Save & Next

Time Left : 22:33
Coaching Student01

9 Answered
1 Not Answered

0 Not Visited
0 Marked for Review

0 Answered & Marked for Review

Maths

Choose a Question

21

22

23

24

25

26

27

28

29

30

Submit

Generic Test Solution Interface (as accessed from Candidate Login)

- OPERATIONAL INSTRUCTIONS are displayed before starting any Test. These instructions can be evoked by clicking on the “i” icon on the Test Solution Screen. Please read the Instructions carefully before starting the test.
- DO NOT Refresh or Reload the screen. DO NOT press **Back** Button or **F5** Key once the test is started. This will LOCK your test. Use mouse for navigating on the test solution screen.
- Click **Start Test** on bottom of Operational Instructions Screen to begin the test.
- As soon as the test starts, the **Start Test** button hides and **Final Submission** button is visible on the left bottom corner of screen.
- DO NOT press **Final Submission** unless you have completed the exam. In case you click Final Submission you will be prompted for conformation and then will not be permitted to continue the test.
- As soon as a test is started, the clock starts at the Server. The countdown timer on the Left side of the screen will display time remaining to solve the test. Sectional and/or Question time limit is displayed below the test duration timer.
- Candidate can choose a language option if the test is available in multiple languages.
- Tests that allow only single choice selection, display **Radio buttons** against choices, while tests that allow multiple choice selection display **Check boxes** against questions.
- Click on Next or Previous button to move to another question in sequence. The response to currently displayed question will be automatically saved.

ADDMEN COMPUTER BASED TEST SYSTEM

CERTIFIED ISO 27001 & 9001

FEATURES OVERVIEW

- j) Candidate is allowed to jump between questions anytime during the test as per their convenience. To directly select a question, click on the question number on the Left side of the screen. In this case also the response to currently displayed question will be automatically saved.
- k) Jumping between questions is not allowed in tests which have fixed time for each question. Jumping between sections is not allowed in the tests that have sectional time limit.
- l) Candidate can change their response to a question anytime before final submission of the test. To remove an answer, click on **Clear Response** button marked option.
- m) Click on **Review** button to tag your answer to review at later stage before final submission. If there are any questions marked for review the software prompts the user before final submission.
- n) The test is force submitted automatically if you have not pressed the **Final submission** button before completion of the test duration. But in case of auto forced submissions, the questions marked for review with answer, and review without answer will be saved as it is.
- o) The color code diagram on the Left side of the screen shows the status of the question.

Grey	Not Seen yet / Not Answered Question	Green	Attempted / Answered Question
Red	Seen but Not Attempted / Not Answered Question	Yellow	Marked for review without Answer / Will consider again
Black	Seen and Dumped / Will not consider again	Purple	Marked for review with Answer / Will consider again

- p) All the answered or unanswered questions will be considered for calculating the final score as per the guidelines for the specific test.
- q) Display of obtained scores immediately after the test will depend upon the policy set by the examiner. Detailed Graphical analysis reports will be published 30 minutes after the active period of test is over.
- r) To view the result, login again to your dashboard. Click on Online result tab at the left top. You will get a new window in which you can see the section wise marks, Total marks, Percentage, Percentile, Rank. And Analysis & Solution button using which you can see analysis of the test you have selected and the solutions for the questions that you got wrong.
- s) If the Question/Passages/Options are not fully visible, use scroll bars.
- t) Example of Test Instructions:
 - This Test has total 10 Questions divided into two sections. First section has Physics subject questions from 1 to 5. Second section has Math subject question from 6 to 10.
 - Each question has only one correct answer.
 - 3 marks will be granted (positive) for each correctly answered question. 1 mark will be deducted (negative) for each incorrectly answered question.

IIT JEE Mock Test 03 (1001)

Sections: Physics Chemistry Maths

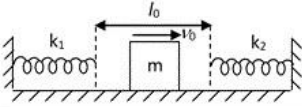
English ▼

Time Left : 29:12
Coaching Student01

Q No.: 5
MARKS: +3, -1

A block of mass m is projected with velocity v_0 as shown in the fig.

The distance between free ends is ℓ_0 . Maximum displacement of the block during the motion.



☐ (A). $\ell + v_0 \sqrt{\frac{m}{k_2}}$

☐ (B). $\ell + 2v_0 \sqrt{\frac{m}{k_1 + k_2}}$

☐ (C). $\ell + 2v_0 \sqrt{\frac{m(k_1 + k_2)}{k_1 k_2}}$

☐ (D). $\ell_0 + v_0 \sqrt{\frac{m(k_1 + k_2)}{k_1 k_2}}$

Clear Response
Mark for Review & Next
Save & Next

Test Solution Interface (Showing Question with Diagram & Formula content)

IIT JEE Mock Test 03 (1001)

Sections: Physics Chemistry Maths

English ▼

Time Left : 28:45
Coaching Student01

Q No.: 6
MARKS: +4, -0

QUESTION INSTRUCTION

The heat engine includes a piston that can move up or down allowing work to be done on the gas or allow the gas to do work on the surroundings.

Neon, a monatomic ideal gas, is placed in a sealed canister connected to the tightly fitted piston.

The canister can be placed in a temperature controlled room which allows heat to be transferred to the gas or allows heat to flow out of the gas.

At the start of each experimental trial the gas is reset to a temperature of 298K and atmospheric pressure (101,000Pa). Assume that + work refers to the case where the surroundings do work on the gas, and – work refers to the case where the gas does work on the surroundings.

QUESTION

An ammeter given full scale deflection when a current of 2A flows through it. The resistance of ammeter is 120. If the same ammeter is to be used for measuring a maximum current of 5A, then ammeter must be connected with a resistance of

☐ (A). The average kinetic energy of the gas atoms will decrease since the heat will be negative

☐ (B). The average kinetic energy of the gas atoms will decrease since the work done by the gas will be positive

☐ (C). The average kinetic energy of the gas atoms will increase since the heat will be positive

☐ (D). The average kinetic energy of the gas atoms will decrease since the work done by the gas will be negative

Clear Response
Mark for Review & Next
Save & Next

Test Solution Interface (Showing Common Passage based Question)

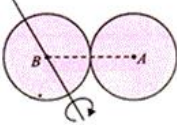
IIT JEE Mock Test 03 (1001)

Sections: Physics Chemistry Maths

English ▼

Q No.: 9 MARKS: +4, -0

Two thin discs each of mass M and radius r metre are attached as rigid body. The rotational inertia of this body about an axis perpendicular to the plane of disc B and passing through its centre is kMr^2 . Find the value of 'K'



Numerical Answer:

Clear Response
Mark for Review & Next
Save & Next

Time Left : 25:46
Coaching Student01

6 Answered
0 Not Answered

2 Not Visited
1 Marked for Review

1 Answered & Marked for Review

Physics

Choose a Question

1

2

3 ✓

4

5

6

7

8

9

10

Submit

Test Solution Interface (Showing Question with Numerical Value or Text Value as Response)

IIT JEE Mock Test 03 (1001)

Sections: Physics Chemistry Maths

English ▼

Q No.: 10 MARKS: +6, -0

Two identical balls A and B are kept on a smooth table as shown. B collides with A with speed v . For different conditions mentioned in column I, match with speed of A after collision given in column II.

List I		List II	
A)	Elastic collision	P)	$\frac{3}{4}v$
B)	Perfectly inelastic collision	Q)	$\frac{5}{8}v$
C)	Inelastic collision with $e = \frac{1}{2}$	R)	v
D)	Inelastic collision with $e = \frac{1}{4}$	S)	$\frac{v}{2}$

P Q R S

A ☒ ☐ ☐ ☐

B ☐ ☒ ☐ ☐

C ☒ ☐ ☐ ☐

D ☐ ☐ ☒ ☐

Clear Response
Mark for Review & Next
Save & Next

Time Left : 25:06
Coaching Student01

7 Answered
0 Not Answered

1 Not Visited
1 Marked for Review

1 Answered & Marked for Review

Physics

Choose a Question

1

2

3 ✓

4

5

6

7

8

9

10

Submit

Test Solution Interface (Showing Matrix matching type Question with multiple choices for answers)

For Overview of Results Read **"Addmen-Reports-Sample-Screenshots.PDF"**

ADMINISTRATOR INTERFACE FEATURES & BEFORE TEST and AFTER TEST PROCESS OVERVIEW

ADDMEN COMPUTER BASED TEST SYSTEM**FEATURES OVERVIEW**

CERTIFIED ISO 27001 & 9001

9. Administrative Control (Accounts & Users)

- Admin can create multiple sub-accounts (branches) and Groups (courses). Each sub-account can have many different Groups in which the registered candidates can be classified.
- The super-account and each of the sub-account can have multiple admins/users. Admin can create multiple users and sub-account users with limited permission. The sub-account admins can work only within their branch.
- Super Admin can create Tests and control the visibility for one or more than one sub-accounts. But the tests created by sub-account admin is only visible to the candidates registered in that sub-account.
- This means that the system can be very well used by IT or Academic service providers who are catering to multiple educational organizations. One Super-Admin can create multiple sub-accounts for various institutions in their super account.
- The number of candidates registered and tests consumed in each sub-account can be controlled by the super-admin.

Settings

Preferences

Branches

Courses

Classes

Academic

Languages

?

↺

✖

BRANCH

BRANCH NAME

BRANCH CODE

BRANCH PHONE

BRANCH ADDRESS

SAVE

CLEAR

ID	BRANCH	BRANCH CODE	PHONE	ADDRESS	RECORDS ALLOTTED	TEST ALLOTTED	RECORDS CONSUMED(242)	TESTS CONSUMED(94 / 6)	BY	CREDIT DT	LAST USED	EDIT	ALLOCATE
0	Main Branch	A	00		100	100	60	31	ADDMEN	12-Aug-2017	31-Aug-2017		
1	Demo Branch	B			100	170	0	163	ADMIN	09-Feb-2016	26-Nov-2016		

Users

Add

PINs

Allocation

Notification

Access

Import

?

↺

✖

GENERAL PERMISSION

1001 - User Permissions

To allow this user to give access rights to other users. This is the most powerful access privilege given to any user. It will allow a User to access this permissions page and thus set and change the access permission for any user including himself. So if someone can access this permissions page, then he can access the entire software.

1003 - System Settings

ECAS has many settings that can be managed to set the default behaviour of various functionalities in each module. By altering these settings, the administrator can change the behaviour of the software related to functionality or look-&feel or calculation etc. Generally, set up of these settings is a onetime or a very rarely executed task which is mostly done at the beginning of the setup phase. It is hardly ever required or suggested to change the settings once your system is up & running.

1004 - View Dashboard (Admin Level)

The user with this permission can access the summary of the whole data in the form of charts or graphs or figures like total Enquiries or Admissions, Total Receivable or Total Collection etc.

1005 - View Dashboard (User Level)

Allows the user to access his own data like fee transactions, Attendance, Issues and Complaints, Admission References or Paybill etc. in case of employees.

1006 - Delete (Admin Level)

MEMBER PERMISSION

2001 - Open Admission Interface (Enquiry)

2002 - Open Admission Interface (Student)

2003 - Open Admission Interface (Staff)

2004 - Open Admission Interface (Admin)

Allows the user to open the member admission interface and view member data. Entry of new records cannot be made. No changes to the existing selected records can be made.

3018 - Show Approved/Admitted Enquiry Only

If the online application module is active, there might be several applicants but few have achieved a certain level like completed application or paid fee or eligible for generating admit cards. The user who has to generate admit cards wants only to see limited list the applicants who have paid fee or likewise. (Tip: This permission is allocated to a user who is Online Application administrator who has to deal with applicants for further process like admission or allocation of batches etc.)

3037 - List References Only (Enquiry)

3038 - List References Only (Student)

3039 - List References Only (Staff)

3040 - List References Only (Admin)

Limits the user to view only the records that were entered by the user himself.

2005 - Add Record (Enquiry)

2006 - Add Record (Student)

2007 - Add Record (Staff)

FEE PERMISSION

3001 - Open Fee Interface

3002 - View Reports

3016 - Edit Fee Bill Amount*

3019 - Apply Rebates

3020 - Edit Fee Bill Date*

3021 - Edit Receipt (Except Amount)*

3022 - Generate Collection Receipt

3023 - Generate Refund Receipt

3033 - Open Cheque Interface

3034 - Confirm Cheque Realization

3035 - Apply Feebill to Members

3036 - Generate Cancellation Receipt

3041 - Generate Collection Receipt A

3042 - Generate Collection Receipt B

4014 - Add/Edit Master Records*

4024 - Auto Post Dues SMS

4025 - Auto Post Cheque SMS

These are permissions related to the Fee Collection Module. These permissions reflect only if the Fee Module is active in your account. Generally there are two levels of users in Fee department: 1. Accounts operator who collects fee. 2. Accounts manager who sets the fee to be collected. (Tip: Accounts operator permissions: Access Fee Interface, Generate Collection Receipt, Generate Cancellation Receipt, Access Cheque Interface, Accounts manager permissions: Apply Fee Structure to Members, Edit Member Fee Structure, Change Installment Date, ...)

ASSESSMENT PERMISSION

3011 - Computer Based Test Admin

Allows the user to login to Integrate Assessment Suite (IAS) and perform any functions related to Online Test Definition. This permission is also used to allocate tests to candidates.

4015 - View Results

4047 - Question Bank Admin

4048 - Apply Tags (+4047)

4049 - Delete Questions (+4047)

4050 - Add Questions (+4047)

4051 - Edit Questions (+4047)

4052 - View Questions (+4047)

4053 - Create View Paper (+4047)

4054 - Generate Paper (+4047)

4065 - Open Quiz Pad

4066 - Open Digital Evaluation

4067 - Open Read Sheets

3012 - Academic Scores Admin

4022 - View Scores (+3012)

4023 - Import Scores (+3012)

This permission is required if the modules Score Entry and Gradebook Generation is active in software account. All the academic work profiles like creating timetable or marking attendance or entering scores to print gradebooks, involves the mapping of academic resources namely: Class-Subject-Faculty. The marks can be imported only by the faculty for the class and subject it is mapped to. (Tip: This permission should be ...)

Administrator User Permissions Panel

Registered Office: 134, Indramani Nagar, Race Course Road, Gwalior – 474005 (MP)

Development Office: C 904, Eisha Bella Vista, Near Sai Service Centre, Kondhwa, Pune – 411048 (MS)

Ph.: +91-9229113522, 9229113544, 9229113566 Email: info@addmengroup.com Website: www.addmengroup.com

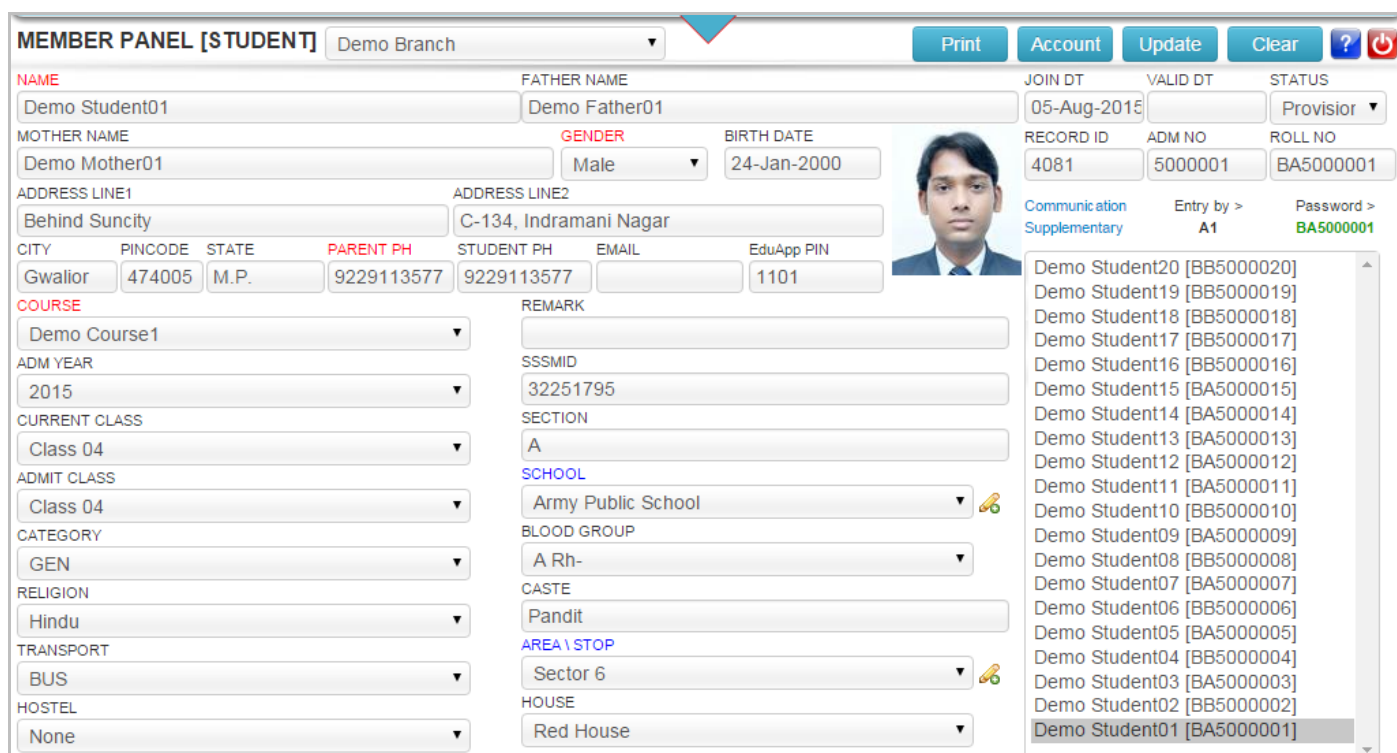
ADDMEN COMPUTER BASED TEST SYSTEM

FEATURES OVERVIEW

CERTIFIED ISO 27001 & 9001

10. Candidate Registration**10.1. Backend Registration by Administrator**

- The fields of Candidate Registration Panel can be customized at client admin level.
- Already enrolled Candidates can be registered by Admin.
- Candidate records can also be imported from Excel Sheet.
- The Admin of the super-account can register candidates into main account or sub-accounts. But the admin of the sub-accounts can only register candidates into sub-accounts.


Candidate Registration Panel for Administrator**10.2. Online Registration by Candidate (self)**

- New candidates, prospect enquiries and external students can register themselves from the website. The online test software has a web interface which is a simple HTML form that can be added to the client website.
- Choice of Group and test packages is displayed at the online registration interface.
- By default, Candidates registered from the website interface are classified as enquiries and specially allowed to attempt only Demo tests.
- The enquiries are auto converted to enrolled candidates when they make payment using Payment Gateway.
- The enquiries can also be converted to enrolled candidates by the administrator.

10.3. Demo Test & Demo Registration

- Candidates can be registered from the website as enquiries or as enrolled candidates. By default, they are registered as enquiry and are able to see only the "Demo" category of tests.
- In case of implementation on lease basis the "Demo" category tests are also accounted for system resource usage and charged accordingly.

ADDMEN COMPUTER BASED TEST SYSTEM**FEATURES OVERVIEW****10.4. Login Credentials to Candidate**

- a) Username/Password for browsers interface and PIN/Password for Android EduApplet can be sent by Email or SMS after registration.
- b) In case of web registration, the login credentials are sent automatically. While in case of backend registration by admin the credentials can be sent either automatically or as decided by admin.
- c) For this an existing email account can be configured but SMS credits to be purchased. SMS credits can be purchased from Addmen.
- d) The client is also free to purchase SMS from a third party bulk SMS provider, in such a case, the API of the SMS provider has to be integrated into the system. Many common APIs of the most popular servers are already integrated into the system. If your API matches any such API, it can be readily used. But in case the API provided by clients is different from the already integrated APIs, then it is added and charged as a customization.
- e) Sometimes the test is to be conducted for a large group of candidates who are either not registered in the system or do not know their login IDs or are invited to take a test for a temporary purpose like in the case of campus drives where the recruiting organization walks in to the campus, then in such a case **bulk logins can be created by the admin beforehand** and login credentials provided to the candidates and the corresponding candidate details are noted down on paper which are later updated into the system. Same is applicable in case of feedbacks where only the number of respondents matter and not exactly.
- f) There is a provision to bulk send SMS of login credentials to any group of candidates using the inbuilt SMS facility. More information about test schedule can be added to the same SMS.

10.5. Test Allocation to Candidate

- a) **Group wise allocation:** There might be several test papers created in the online test system in various categories. Any candidate is able to view the list of test papers created for the group in which he has registered.
- b) **Count based allocation:** The number of tests that a candidate can attempt is can be controlled by the admin. It can also be set as a preset value at the time of registration. Which will restrict every new candidate to attempt only a few number of tests out of the entire list of tests.
- c) **Selective Test Allocation:** It is also possible to allocate selective tests to a candidate. The selective test IDs can be selected by the candidate himself at the time of buying a online test package or can be allocated by the administrator.

11. Test Administration

11.1. Test Definition

- A test can be created for selected Branches and selected Groups (Course /Class /Batch).
- Any candidate will see tests that are applicable for his group only.
- Test can be defined for any number of questions.
- There are three modes of tests: **Demo Test**, **Regular Assessment Test** and **Worksheets**

Default Settings	Demo Test	Practice Test	Assessment Test
Display Instant Results on completion of test	Yes	Yes	No
Display Solution with result	Wrong Question Solution only	Wrong Question Solution only	No
Allow to Re-attempt test	No	Yes	No
Ask Test Feedback	No	No	Yes

- A test can be made a Demo test by simply including the word “**Demo**” in the test title.
- There are settings to control the display of questions and options. **Check boxes** can be displayed for questions that allow multiple selection. For questions with single answer selection **Radio buttons** are displayed as default.
- Options numbering can also be changed from A, B, C, D to 1,2,3,4 respectively.
- Test Instruction and Test Solution files can also be uploaded in .HTML and .PDF formats.

Define Test

Create Test

Test No.

Test Title

1001

IIT JEE Mock Test 03

Start Date

End Date

Duration (Min.)

Test Type

30-Aug-2017 11:16

30-Sep-2017 11:16

30

ONLINE

Sheet Layout

No of Question

Test Status

-Select Sheet-

30

ACTIVE

Total Questions in Layout: 0

Total Test : 6

Save

Main Branch

-Select Group-

Test No	Test Title	Start Date	End Date	Test Type	Questions
102	IIT JEE Mock Tes...	05-Jan-2016	31-Dec-2017	ONLINE	20/20
103	IIT JEE Mock Tes...	10-Jan-2016	31-Dec-2017	COMBINE	20/20
104	IIT JEE Test Simu...	15-Jan-2016	15-Jan-2018	OMR	40
105	P1 IIT JEE Mock ...	20-Jan-2016	31-Dec-2017	ONLINE OMR	10
106	P2 IIT JEE Mock ...	25-Jan-2016	31-Dec-2017	ONLINE OMR	20
1001	IIT JEE Mock Tes...	30-Aug-2017	30-Sep-2017	ONLINE	30/30

Answer Key

Mappings

Question Linking

Option wise Mark

Import/Export

Settings

Result Settings

Instant Result

Display OMR Sheet/Answers

Display Analysis

Display Solution

Display Questions for Review

Rank Pattern

Section IDs for Rank

Consider First [n] Questions

IDI Sample Size (1-50%)

Test Display

User Information

Choice Type

Choice Label

Question Shuffling

Section Time

Question Time

Return to Question

Display Theme

Test Settings

Question Source

Test Type

Attempt Limit

Feedback Id

Price

Send Score Message

Instant Result

Whether to display the user test results immediately after the test.

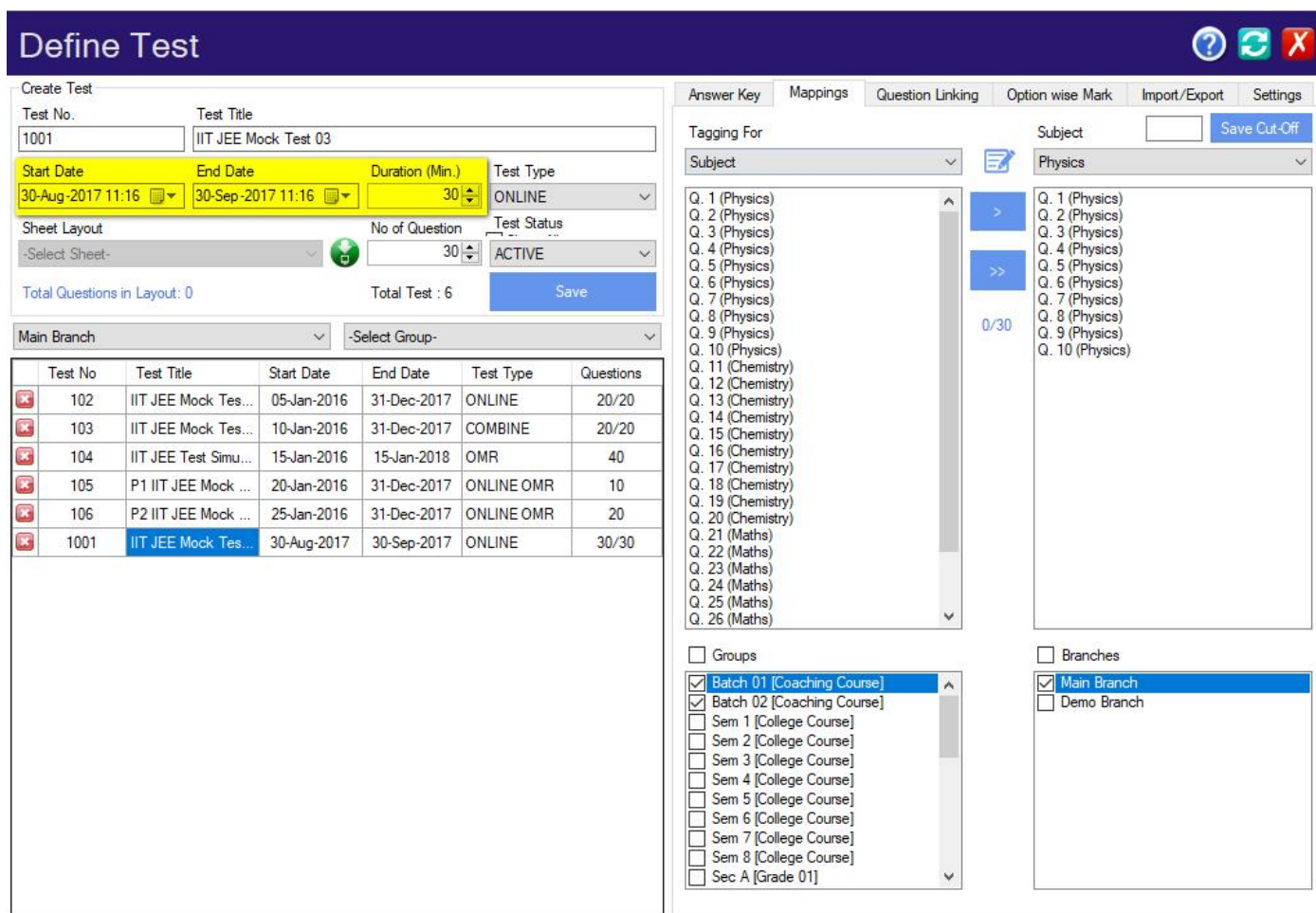
Define Test Interface with Test Settings Panel

ADDMEN COMPUTER BASED TEST SYSTEM**FEATURES OVERVIEW**

CERTIFIED ISO 27001 & 9001

11.2. Test Schedule and Duration

- Test can be defined for any duration in minutes.
- Tests can be scheduled i.e. Date and time of activation and period of the test can be set by the admin. Active period of test is different from duration of test. For e.g. the test duration is 60 min, but activation period can be set as Sunday 3:00pm to 8:00pm.
- The test will be active for students only during this period. A candidate can login any time after the time of activation and before expiry of period.
- Timer is maintained to keep control over test duration and allow re-login in case of accidental logouts, candidate will get his remaining time after re-login.
- Most online examinations have a specified duration for solving the paper. It is always suggested to keep surplus duration for the online test. If a 100 question paper is given 2 hours in offline pen and paper test mode then the same question paper should be given about 2 hours 30 minutes to solve in the online mode.
- Certain examination pattern like NATA mandate **limited time for each question**. The software has the possibility to specify time for individual question.
- Certain examination pattern mandate **limited time for each Section**. The software has the possibility to specify time for individual section.



Define Test

Create Test

Test No.: 1001 Test Title: IIT JEE Mock Test 03

Start Date: 30-Aug-2017 11:16 End Date: 30-Sep-2017 11:16 Duration (Min.): 30 Test Type: ONLINE

Sheet Layout: -Select Sheet- No of Question: 30 Test Status: ACTIVE

Total Questions in Layout: 0 Total Test : 6 Save

Main Branch: -Select Group-

Test No.	Test Title	Start Date	End Date	Test Type	Questions
102	IIT JEE Mock Tes...	05-Jan-2016	31-Dec-2017	ONLINE	20/20
103	IIT JEE Mock Tes...	10-Jan-2016	31-Dec-2017	COMBINE	20/20
104	IIT JEE Test Simu...	15-Jan-2016	15-Jan-2018	OMR	40
105	P1 IIT JEE Mock ...	20-Jan-2016	31-Dec-2017	ONLINE OMR	10
106	P2 IIT JEE Mock ...	25-Jan-2016	31-Dec-2017	ONLINE OMR	20
1001	IIT JEE Mock Tes...	30-Aug-2017	30-Sep-2017	ONLINE	30/30

Answer Key Mappings Question Linking Option wise Mark Import/Export Settings

Tagging For Subject: Physics

Q. 1 (Physics) Q. 2 (Physics) Q. 3 (Physics) Q. 4 (Physics) Q. 5 (Physics) Q. 6 (Physics) Q. 7 (Physics) Q. 8 (Physics) Q. 9 (Physics) Q. 10 (Physics) Q. 11 (Chemistry) Q. 12 (Chemistry) Q. 13 (Chemistry) Q. 14 (Chemistry) Q. 15 (Chemistry) Q. 16 (Chemistry) Q. 17 (Chemistry) Q. 18 (Chemistry) Q. 19 (Chemistry) Q. 20 (Chemistry) Q. 21 (Maths) Q. 22 (Maths) Q. 23 (Maths) Q. 24 (Maths) Q. 25 (Maths) Q. 26 (Maths)

0/30

Groups

- ☒ Batch 01 [Coaching Course]
- ☒ Batch 02 [Coaching Course]
- ☐ Sem 1 [College Course]
- ☐ Sem 2 [College Course]
- ☐ Sem 3 [College Course]
- ☐ Sem 4 [College Course]
- ☐ Sem 5 [College Course]
- ☐ Sem 6 [College Course]
- ☐ Sem 7 [College Course]
- ☐ Sem 8 [College Course]
- ☐ Sec A [Grade 01]

Branches

- ☒ Main Branch
- ☐ Demo Branch

Define Test Interface with Test Mapping Panel

ADDMEN COMPUTER BASED TEST SYSTEM**FEATURES OVERVIEW**

CERTIFIED ISO 27001 & 9001

11.3. Question Grouping & Sections

- Section wise grouping of questions can be done.
- Tags can be created and applied to questions within a section. For ex. Physics-Light where "Physics" is subject tag and "Light" is topic tag within Physics.
- On the candidate test screen, the questions can be listed grouped by section. By default, all the questions in the test are listed in the order of Question No.
- It is possible to make all questions compulsory.
- It is possible to restrict the candidate to start another section before completing current section.
- It is possible to consider any limited number of questions like first 25 or first 50 in a section.

11.4. Question Order & Shuffling

- The software automatically creates multiple sets of the uploaded question paper so that each candidate gets a randomly shuffled question sequence to avoid cheating.

11.5. Marking Schemes

- The software support the marking pattern of any type of MCQ Tests. Multiple marking schemes can be created and applied to any question.

Define Test

Create Test

Test No.

1001

Test Title

IIT JEE Mock Test 03

Start Date

30-Aug-2017 11:16

End Date

30-Sep-2017 11:16

Duration (Min.)

30

Test Type

ONLINE

Sheet Layout

-Select Sheet-

No of Question

30

Test Status

ACTIVE

Total Questions in Layout: 0

Total Test : 6

Save

Main Branch

-Select Group-

Test No	Test Title	Start Date	End Date	Test Type	Questions
102	IIT JEE Mock Tes...	05-Jan-2016	31-Dec-2017	ONLINE	20/20
103	IIT JEE Mock Tes...	10-Jan-2016	31-Dec-2017	COMBINE	20/20
104	IIT JEE Test Simu...	15-Jan-2016	15-Jan-2018	OMR	40
105	P1 IIT JEE Mock ...	20-Jan-2016	31-Dec-2017	ONLINE OMR	10
106	P2 IIT JEE Mock ...	25-Jan-2016	31-Dec-2017	ONLINE OMR	20
1001	IIT JEE Mock Tes...	30-Aug-2017	30-Sep-2017	ONLINE	30/30

Answer Key

Mappings

Question Linking

Option wise Mark

Import/Export

Settings

Upload Instruction/Solution

Upload Questions

Clear Answers

QNo	Answer Key	Block Type	Mark Scheme
1	D	GENERAL [4x1]	Section 1
2	B	GENERAL [4x1]	Section 1
3	C	GENERAL [4x1]	Section 1
4	C	GENERAL [4x1]	Section 1
5	D	GENERAL [4x1]	Section 1
6	A	GENERAL [4x1]	Section 2
7	C	GENERAL [4x1]	Section 2
8	5/4	NUMERIC [10x10]	Section 2
9	5	NUMERIC [10x10]	Section 3
10	XQXX-XXRX-PXXX-XXXS	X-MATRIX [4x4]	Section 4
11	D	GENERAL [4x1]	Section 1
12	B	GENERAL [4x1]	Section 1
13	C	GENERAL [4x1]	Section 1

Feeding Correct Answers

Marking Scheme

ID	Scheme Name	Mode	Plus	Minus	Bonus	Part Plus	Part Minus	Part Bonus
0	Void	Mode 3 [All Correct]	0	0	0	0	0	0
1	Default	Mode 3 [All Correct]	1	0	1	0	0	0
2	Section 1	Mode 3 [All Correct]	3	1	3	0	0	0
3	Section 2	Mode 1 [Multiple Correct]	4	0	4	0	0	0
4	Section 3	Mode 3 [All Correct]	4	0	4	0	0	0
5	Section 4	Mode 2 [Partial Correct]	6	0	0	1	0	0

Marking/Scoring Scheme Definition

Registered Office: 134, Indramani Nagar, Race Course Road, Gwalior – 474005 (MP)

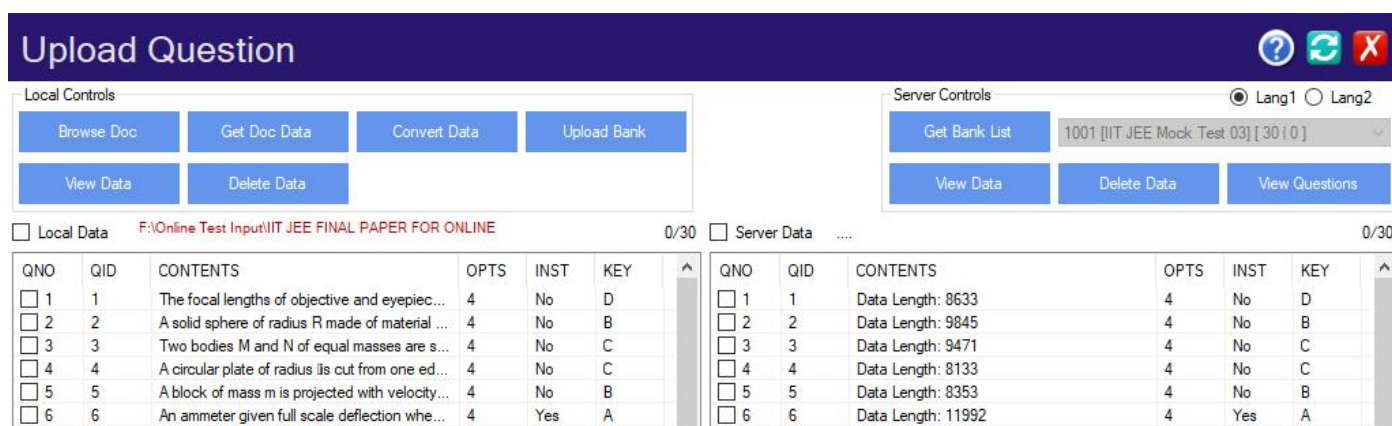
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Ph.: +91-9229113522, 9229113544, 9229113566 Email: info@addmengroup.com Website: www.addmengroup.com

12. Question Bank or Question Paper Creation & Upload

12.1. Question Bank or Question Paper Creation

- You can make your own tests i.e. question paper is your own.
- A bank of questions having atleast defined number of questions or more than required number of questions can be uploaded to system from which the test system will pick defined number of questions to display to each candidate.
- This bank of questions can also be shared amongst various tests, thus minimizing the task of making question and uploading paper for every test.



QNO	QID	CONTENTS	OPTS	INST	KEY
1	1	The focal lengths of objective and eyepiec...	4	No	D
2	2	A solid sphere of radius R made of material ...	4	No	B
3	3	Two bodies M and N of equal masses are s...	4	No	C
4	4	A circular plate of radius 1/2 is cut from one ed...	4	No	C
5	5	A block of mass m is projected with velocity...	4	No	B
6	6	An ammeter given full scale deflection whe...	4	Yes	A

QNO	QID	CONTENTS	OPTS	INST	KEY
1	1	Data Length: 8633	4	No	D
2	2	Data Length: 9845	4	No	B
3	3	Data Length: 9471	4	No	C
4	4	Data Length: 8133	4	No	C
5	5	Data Length: 8353	4	No	B
6	6	Data Length: 11992	4	Yes	A

12.2. Question Paper Content

- The question paper can contain text, images, diagram, formulas and any font; it can support various structures of questions.

Single Choice	Numerical	Comprehension	True/False
Multiple Choice	Derivation	Diagram	Theory
Column Matching	Subjective	Fill in the blank	Assertion/Reason

- Question paper input word file can be made by manually by typing selected questions.
- # Alternatively, Question paper input word file can also be generated from a question bank using Question Paper Generator Software.
- All questions and their options are typed in one file. On uploading of this file, the software will automatically split questions and options according to online test pattern.
- Bilingual questions can also be presented if required. The software does not do the translation. The second language text must also be input by the user in the specified format.

12.3. Word File Input Format

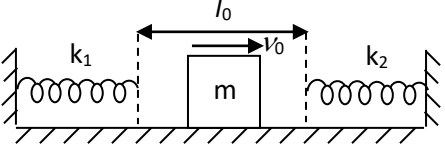
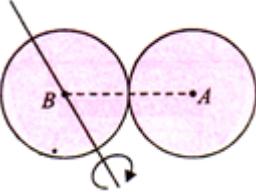
The question paper is made in a MS Word file in a specified format. Following is the table structure that must be created in a Word file, which can be used to upload question paper to Online Test System. In the following example, please note the manner of question entry along with options and answers.

- Q.1 is a simple ABCD type MCQ.
- Q.2 is a numerical/integer response question.
- Q.4 is a Matrix/Column matching type question having multiple possibilities of answers.
- Q.3 & Q.10 are passage based questions having a common passage as instruction which is given at the end of the question paper in the manner as shown.

ADDMEN COMPUTER BASED TEST SYSTEM

CERTIFIED ISO 27001 & 9001

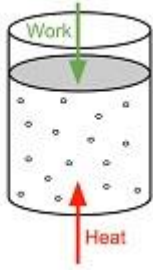
FEATURES OVERVIEW

1	<p>A block of mass m is projected with velocity V_0 as shown in the fig. The distance between free ends is ℓ_0. Maximum displacement of the block during the motion.</p> 	<p>B; Here you can write hint, tip, solution, explanation of the question.</p>
	$\ell + v_0 \sqrt{\frac{m}{k_2}}$	
	$\ell + 2v_0 \sqrt{\frac{m}{k_1 + k_2}}$	
	$\ell + 2v_0 \sqrt{\frac{m(k_1 + k_2)}{k_1 k_2}}$	
	$\ell_0 + v_0 \sqrt{\frac{m(k_1 + k_2)}{k_1 k_2}}$	
2	<p>Two thin discs each of mass M and radius r metre are attached as shown in figure to form a rigid body. The rotational inertia of this body about an axis perpendicular to the plane of disc B and passing through its centre is kMr^2. Find the value of 'k'</p> 	5.4 27/5
3	<p>An ammeter given full scale deflection when a current of 2A flows through it. The resistance of ammeter is 12Ω. If the same ammeter is to be used for measuring a maximum current of 5A, then ammeter must be connected with a resistance of</p>	<p>A; If heat flows into a gas, the heat Q will be positive. If heat flows out of a gas, the heat will be negative. The gas always starts at room temperature 298K. Since the piston does not move, no work can be done. Since the room temperature is lower than the initial temperature of the gas heat will flow out of the gas which means the heat flow will be negative and the kinetic energy of the gas will go down</p>
	<p>The average kinetic energy of the gas atoms will decrease since the heat will be negative</p>	
	<p>The average kinetic energy of the gas atoms will decrease since the work done by the gas will be positive</p>	

ADDMEN COMPUTER BASED TEST SYSTEM

CERTIFIED ISO 27001 & 9001

FEATURES OVERVIEW

	The average kinetic energy of the gas atoms will increase since the heat will be positive																					
	The average kinetic energy of the gas atoms will decrease since the work done by the gas will be negative																					
4	<p>Two identical balls A and B are kept on a smooth table as shown. B collides with A with speed v. For different conditions mentioned in column I, match with speed of A after collision given in column II.</p> <table><thead><tr><th colspan="2">List I</th><th colspan="2">List II</th></tr></thead><tbody><tr><td>A)</td><td>Elastic collision</td><td>P)</td><td>$\frac{3}{4}v$</td></tr><tr><td>B)</td><td>Perfectly inelastic collision</td><td>Q)</td><td>$\frac{5}{8}v$</td></tr><tr><td>C)</td><td>Inelastic collision with $e = \frac{1}{2}$</td><td>R)</td><td>v</td></tr><tr><td>D)</td><td>Inelastic collision with $e = \frac{1}{4}$</td><td>S)</td><td>$\frac{v}{2}$</td></tr></tbody></table>	List I		List II		A)	Elastic collision	P)	$\frac{3}{4}v$	B)	Perfectly inelastic collision	Q)	$\frac{5}{8}v$	C)	Inelastic collision with $e = \frac{1}{2}$	R)	v	D)	Inelastic collision with $e = \frac{1}{4}$	S)	$\frac{v}{2}$	XQXX-XXRX-PXXX-XXXS
List I		List II																				
A)	Elastic collision	P)	$\frac{3}{4}v$																			
B)	Perfectly inelastic collision	Q)	$\frac{5}{8}v$																			
C)	Inelastic collision with $e = \frac{1}{2}$	R)	v																			
D)	Inelastic collision with $e = \frac{1}{4}$	S)	$\frac{v}{2}$																			
#3,10	<p>The heat engine includes a piston that can move up or down allowing work to be done on the gas or allow the gas to do work on the surroundings.</p> <p>Neon, a monatomic ideal gas, is placed in a sealed canister connected to the tightly fitted piston.</p> <p>The canister can be placed in a temperature controlled room which allows heat to be transferred to the gas or allows heat to flow out of the gas.</p> <p>At the start of each experimental trial the gas is reset to a temperature of 298K and atmospheric pressure (101,000Pa).</p> <p>Assume that + work refers to the case where the surroundings do work on the gas, and – work refers to the case where the gas does work on the surroundings.</p> 																					

Example of Table Created in Word File for Question Input

13.Result Display (Incorrect Questions, Solution)

- u) As per the policy of the Institute, the candidate can see instant result if allowed by administrator or the results will show after all students have completed test.
- v) If you have Addmen OMR Software, then Cumulative results from both Online Test and OMR Test can be shown.
- w) Output can be obtained in printable format or exported to Access, Excel, DBF, CSV or XML formats.
- x) A complete detailed **Graphical Analysis Report** and test analysis report can be generated by the system.

For Detailed Overview of the Results
delivered by the Online Test Software,
Read annexure **“Addmen-Reports-Sample-Screenshots.PDF”**