



**AMET**  
(DEEMED)  
**UNIVERSITY**  
(Under Section 3 of UGC Act 1956)

## MODEL AND END SEMESTER ONLINE EXAMINATIONS - FEBRUARY 2022

### INSTRUCTIONS TO THE CANDIDATES

1. The Model and End Semester Online Examinations - February 2022 will be conducted through **MYCAMU** software with proctoring through **Microsoft Teams**. To write the examination, **students can login MYCAMU and Microsoft Teams with their unique username and password**. Step by step instructions are given in the 16<sup>th</sup> point.
2. **Both MYCAMU and Microsoft Teams Login with Video camera in ON condition** will be considered as **Attendance** for all online examinations
3. Students are instructed to **upload their written answer scripts ONLY through MYCAMU Portal**.
4. Those who write exams without **MYCAMU and Microsoft Teams Login** those who submit the answer scripts in any other mode will be considered absent and their answers scripts will not be evaluated.
5. Read the Instructions carefully before starting online examination. Timer will start once you press the **“Take Exam”** button. The maximum duration of **3 hours 30 minutes** is allocated for individual Examination.
  - These **3 hours 30 minutes** include downloading of question papers, scanning of answer sheets and uploading of answer sheets.
  - Question paper model has been attached
  - Writing the answers on University Answer scripts (Template attached & available in University website) or A4 sheets having required details for a **maximum of 20 pages**.
  - Scanning of the answer scripts **using ADOBE Scanner or other scanners** and upload the **SINGLE PDF Answer Scripts** (Reg. No and course code for the Name of the pdf) in MyCamu. (eg.: ASL19062\_PDBS101.pdf)
6. It is the responsibility of the student to arrange the laptop/desktop/suitable mobile phone to appear for the online examinations
7. Students are instructed to ensure suitable location to get the required internet speed to complete the examination.
8. First page shall be filled as per the attached template.
9. Name and Registration number should be written in the middle of the paper with in the left side margin on all pages (Sample copy attached).
10. **Scanned copy of Answer sheets shall be uploaded within the Time given (3 hours 30 minutes). Due to pandemic, NO NEED TO SEND HARD COPIES OF ANSWER SHEETS TO THE UNIVERSITY.**

11. During the Examination, the students will be asked to switch on their video/ Audio as required by the Invigilator and this should be responded within 10 seconds.
12. Page numbers should be written on all the pages on the right hand side bottom of the page and the same should be visible in the scan. Else the page will be rejected.
13. All the pages should be signed by the students at the bottom and same should be visible in the scanned copy.
14. Maximum of 20 pages of answers only permitted. While scanning and uploading all the 20 or written pages are to be scanned as a single PDF file. No one should attach multiple pages in separate files. If the attached answer script is not in single file format, the answer script will not be evaluated.
15. Students are informed to contact the following numbers for their queries/ clarification with reference to technical issues in online examinations during working hours (9 AM to 5 PM)
  - i. Technical Team (For Login, Question Paper downloading and Answer Sheet Uploading issues): 9962197489, 9884856800, 9962197167
  - ii. Accounts Department (For fees payment issues): 7338752265, 9176717622
  - iii. Office of the COE: 9789079249, 6380782115

## 16. Step by Step Instructions

1	<p>To attend the End Semester Examination Login to mycamu.co.in using chrome browser with your mycamu username and password.</p> <p><b><u>For Mobile Phone Users:</u></b></p> <ul style="list-style-type: none"> <li>• All background apps running in the mobile phone should be closed before logging in MYCAMU for attending the online examination.</li> <li>• Students are advised to identify the right location, where the internet speed would be adequate before taking up the examination.</li> <li>• Internet speed required for uploading the answer script is <b>2 to 3 Mbps</b>.</li> <li>• Mobile APP of MYCAMU will not support this online examination. Instead, open up <b>Chrome Browser in Mobile phone</b> and login using <a href="https://www.mycamu.co.in">https://www.mycamu.co.in</a>. <b>No other browser will support this examination.</b></li> </ul> <p><b><u>For Laptop / PC Users:</u></b></p> <ul style="list-style-type: none"> <li>• Use only Chrome Browser in Laptop/ PC to login using <a href="https://www.mycamu.co.in">https://www.mycamu.co.in</a>. <b>No other browser will support this</b></li> </ul>
---	---

	<p><b>examination.</b></p> <ul style="list-style-type: none"> <li>Internet speed required for uploading the answer script should be more than 4MBPS</li> </ul>
2	Go to timetable menu click on "Attend online" to enter into virtual class room 10 minutes before the commencement time.
3	Teams apps will open automatically then click on "join now" as like you are doing for regular classes. Sign-in with team's username and password if it is prompted.
4	<p>Now you may see the invigilator in the virtual class room. Ensure that you have to unmute your camera.</p> <p>Note: Step 1 to Step 4 which you have already familiarized as you have attend regular classes.</p>
5	Now, Again comeback to MYCAMU and select Assessment menu, then you can select the "Take Exam" button to start the exam.
6	Read the instruction and you can find Start exam Button at the bottom of the screen. Click on start exam
7	Now download the question paper and start write the exam in the A4sheet as prescribed by COE office
8	You are instructed to keep your team's app running at the background with camera enabled. Place the device at the right place so that it has to capture your face.
9	During the examination if you have any doubts you may ask the invigilator who is watching you online through teams app by unmute the mic.
10	Upload the answer sheet in MYCAMU well before the closing time.
11	<p>Click on the submit button after uploading the answer sheet to finish the exam.</p> <p>Note: Do not click the submit button before uploading the answer sheet.</p>
12	Check your MYCAMU and Teams App credentials in your device well before the examination.
13	Assessment menu in MYCAMU may not available for the Fees defaulters and lack of attendance.



## MODEL / END SEMESTER EXAMINATIONS- FEBRUARY 2022

### Question Paper Pattern

<b>Programme &amp; Batch :</b> BE – EEEM 12	<b>Semester :</b> V
<b>Course Title :</b> Electrical Power Plant Engineering	<b>Course Code :</b> UDEEE02
<b>Duration :</b> 3 :30 hours marks	<b>Maximum Marks :</b> 100

#### Instructions:

1. Before attempting any question paper, be sure that you got the correct question paper.
2. The missing data, if any, may be assumed suitably
3. Use the sketches wherever necessary

Question No	Question	Mark	BTL	CO
-------------	----------	------	-----	----

#### Section A (10×2 = 20 Marks) Answer all Questions

1	Explain breeding in nuclear power plant	2	2	CO1
2	Give the location of India's largest thermal power station and its rating.	2	2	CO1
3	What is swelling in boiler of thermal power plant?	2	2	CO2
4	List the elements used for Flow Measurement	2	2	CO2
5	What is solar photovoltaic cell and module.	2	2	CO3
6	Mention the merits and demerits of hydroelectric power plant	2	2	CO3
7	Explain capital cost in a thermal plant?	2	2	CO4
8	Compare load curve and load duration curve.	2	2	CO4
9	How solar inverter plays a vital role in solar PV based power plants?	2	2	CO5
10	Highlight the advantage of combined cycle power plant.	2	2	CO5

#### Section B (1×10 = 10 Marks) Compulsory Question

11	Design 1kW solar power plant with necessary accessories.	10	4	CO6
----	--	----	---	-----

**Section C (5×14 = 70 Marks) Answer All Questions**

12 (a)	Demonstrate the working of a diesel power plant station and discuss the function of major components in it.	14	3	CO1
--------	---	----	---	-----

**(OR)**

12 (b)	List the types of gas turbine power plant and explain in detail with neat diagram.	14	2	CO1
--------	--	----	---	-----

13 (a)	Discuss in detail about the differential pressure of airflow.	14	3	CO2
--------	---	----	---	-----

**(OR)**

13 (b)	Explain the turbine speed and vibration measurement in detail	14	3	CO2
--------	---	----	---	-----

14 (a)	Explain with a neat diagram the working of solar thermal power plant in detail.	14	3	CO3
--------	---	----	---	-----

**(OR)**

14 (b)	Demonstrate the working of a poolavadi wind power plant and discuss the function of major components in it.	14	4	CO3
--------	---	----	---	-----

15 (a)	<p>A generating station has the following daily load cycle:</p> <p>Time (hours): 0-6 6-8 8-12 12-14 14-18 18-20 20-24</p> <p>Load (MW) : 45 35 75 20 80 25 50</p> <p>(i) Draw the daily load curve</p> <p>(ii) Draw the load duration curve</p> <p>(iii) Calculate load factor</p> <p>(iv) Calculate plant capacity factor if the capacity of the plant is 120MW.</p>	14	3	CO4
--------	---	----	---	-----

**(OR)**

15 (b)	Explain the methods to control pollution in nuclear power plants.	14	3	CO4
--------	---	----	---	-----

16 (a)	Explain the working of hydro plant, Edukki, Kerala.	14	3	CO5
--------	---	----	---	-----

**(OR)**

16 (b)	Discuss in detail with a neat of power generation using Solar Photovoltaic (SPV).	14	3	CO5
--------	---	----	---	-----



**AMET**  
**UNIVERSITY**  
(Deemed to be University Under Section 3 of UGC Act 1956)

---

## MODEL EXAMINATIONS (ONLINE) - FEBRUARY 2022

Name	:	<input type="text"/>
Register No	:	<input type="text"/>
Programme	:	<input type="text"/>
Year/Semester	:	<input type="text"/>
Course Code	:	<input type="text"/>
Course Name	:	<input type="text"/>
Date	:	<input type="text"/>
No. of pages written	:	<input type="text"/>

Student's Signature

Parent's Signature



**AMET**  
**UNIVERSITY**  
(Deemed to be University Under Section 3 of UGC Act 1956)

---

**END SEMESTER EXAMINATIONS (ONLINE) - FEBRUARY 2022**

Name : 

--	--	--	--	--	--	--	--	--	--	--

Register No : 

--	--	--	--	--	--	--	--	--

Programme : 

--

Year/Semester : 

--

Course Code : 

--	--	--	--	--	--	--	--	--

Course Name : 

--

Date : 

--	--	--	--	--	--	--	--

No. of pages written : 

--

Student's Signature

Parent's Signature

**NAME OF THE STUDENT:**

**REG.NO:**

**STUDENTS'S SIGNATURE :**