School of Aeronautics (Neemrana)

Guidelines for Practical Examination

1. (Credit-1 / 50 marks)

University Practical Examination of 50 marks, is divided into two parts of assessment i.e. Internal Assessment (30 marks) and External Assessment (20 marks). Internal Assessment (30 marks) are further sub divided into two parts i.e. Project Assessment (10 marks) and Internal Practical Assessment (20 marks). These 20 marks are further divided into three Mid Terms, i.e. Mid Term I (5 marks), Mid Term II (7 marks) and Mid Term III (8 marks). For the sake of convenience in assessment, multiplication factor of 10 is used to design the grading sheets, i.e. of 50, 70 and 80 marks respectively for Mid Term I, II and III.

2. (Credit-1.5 / 75 marks)

University Practical Examination of 75 marks, is divided into two parts of assessment i.e. Internal Assessment (45 marks) and External Assessment (30 marks). Internal Assessment (45 marks) are further sub divided into two parts i.e. Project Assessment (15 marks) and Internal Practical Assessment (30 marks). These 30 marks are further divided into three Mid Terms, i.e. Mid Term I (7.5 marks), Mid Term II (10.5 marks) and Mid Term III (12 marks). For the sake of convenience in assessment, multiplication factor of 10 is used to design the grading sheets, i.e. of 75, 105 and 120 marks respectively for Mid Term I, II and III.

3. (Credit-2 / 100 marks)

University Practical Examination of 100 marks, is divided into two parts of assessment i.e. Internal Assessment (60 marks) and External Assessment (40 marks). Internal Assessment (60 marks) are further sub divided into two parts i.e. Project Assessment (20 marks) and Internal Practical Assessment (40 marks). These 40 marks are further divided into three mid terms, i.e. Mid Term I (10 marks), Mid Term II (14 marks) and Mid Term III (16 marks). For the sake of convenience in assessment, multiplication factor of 10 is used to design the grading sheets, i.e. of 100, 140 and 160 marks respectively for Mid Term I, II and III.

4. (Credit-2.5 / 125 marks)

University Practical Examination of 125 marks, is divided into two parts of assessment i.e. Internal Assessment (75 marks) and External Assessment (50 marks). Internal Assessment (75 marks) are further sub divided into two parts i.e. Project Assessment (25 marks) and Internal Practical Assessment (50 marks). These 50 marks are further divided into three mid terms, i.e. Mid Term I (12.5 marks), Mid Term II (17.5 marks) and Mid Term III (20 marks). For the sake of convenience in assessment, multiplication factor of 10 is used to design the grading sheets, i.e. of 125, 175 and 200 marks respectively for Mid Term I, II and III.

5. AME Fortnightly / Cumulative Fortnightly Practical Examination (30 Marks)

AME Fortnightly / Cumulative Fortnightly Practical Examination will be of 30 marks for each practical examination. Out of these 30 marks, 10 marks are for skill test, 4 marks for procedure writing, 10 marks for viva questions, 3 marks for practical record and 3 marks for log book writing. For practicals without skill marks division will be, 4 marks for procedure writing, 20 marks for viva questions, 3 marks for practical record and 3 marks for log book writing.

6. AME Semester Examination (70 Marks, Sem 1 to 3 for Practicals with skill and Sem 1 to 4 without skill)

AME Semester Practical Examination will be of 70 marks for each practical examination. Out of these 70 marks, 20 marks are for skill test, 10 marks for procedure writing, 9 marks for basic viva questions, 9 marks for advance viva questions, 6 marks for practical record, 6 marks for log book writing and 10 marks for project. For practicals without skill marks division will be, 20 marks for procedure writing, 30 marks for viva questions, 5 marks for practical record, 5 marks for log book writing and 10 marks for project.

7. AME Semester Examination (70 Marks, Sem 4 for Practicals)

AME Semester Practical Examination will be of 70 marks for each practical examination. Out of these 70 marks, 20 marks are for skill test, 5 marks for procedure writing, 15 marks for layover viva questions, 10 marks for laboratory viva questions, 5 marks for practical record, 5 marks for log book writing and 10 marks for project.

8. Special Practical Examination (12.5 Marks in SODECA For Credit System and 25 Marks in DECA For Old Scheme)

For B.Tech students, Special Practical List Examination will be conducted twice in a semester and average marks will be added in SODECA & DECA marks.

Question Paper & Student Details

Field	Value	Field	Value
Mid Term / Fortnightly / Sem*	Back / Re-Back Examination	Date of Submission of QP	17/12/2020
Name of Faculty*	Sidhartha Sondh	Date of Examination*	18/12/2020
Subject*	207- Engineering Physics Lab-II (Old)	Course*	B.Tech (Aeronautical Engineering)
Batch*	Back / Re-Back Students	Semester*	Semester : 2
Email Id of Faculty:*	sidharthasondh@soaneemrana.org	Phone Number of Faculty*	963 455 7511

Student Name		Student Reg No.	

Practical Questions

Question : 1*

To determine the height of water tank with the help of a Sextant.

Lesson Plan*	1	Topic*	Sextant	Source*	Lab manual

Question : 2

To determine the dispersive power of material of a Prism for Violet Red and yellow colours of Mercury light with the help of a spectrometer.

Lesson Plan	3	Topic	Spectrometer	Source	Lab manual

Question : 3

To measure the Numerical Aperture of an Optical Fibre

Lesson Plan	5	Topic	Optical Fibre	Source	Lab manual

Question : 4

To determine the ferromagnetic constants retentivity, permeability and susceptibility by tracing B-H curve using C.R.O.

Lesson Plan 7 **Topic** C.R.O. **Source** Lab manual

Question : 5

To study the Charge & Discharge of a condenser and hence determine time constant (Both current and voltage graphs are to be plotted)

Lesson Plan 9 **Topic** Condenser **Source** Lab manual

Question : 6

To determine the high resistance by method of leakage, using a Ballistic galvanometer.

Lesson Plan 11 **Topic** Galvanometer **Source** Lab manual

Question : 7

To verify the expression for the resolving power of a Telescope

Lesson Plan 13 **Topic** Telescope **Source** Lab manual

Question : 8

To determine the specific resistance of the material of a wire by Carey Fosters bridge.

Lesson Plan 15 **Topic** Carey Fosters bridge **Source** Lab manual

Question : 9

To determine the specific resistance of the material of a wire by Carey Fosters bridge

Lesson Plan 17 **Topic** Carey Fosters bridge **Source** Lab manual

Question : 10

Lesson Plan **Topic** **Source**

Question : 11

Lesson Plan | **Topic** | **Source**

Question : 12

Lesson Plan | **Topic** | **Source**

Viva Questions

For Practicals Up to 3

Viva Question :

Add more

For practicals 4 to 6

Viva Question :

Add more

For practicals 7 to 9

Viva Question :

Add more

For practicals 10 to 12

Viva Question :

Add more

Upload Scanned Document In Case of Numerical or Diagram for any of the above question

Mention question number with relevant fig / numerical / equations. Max 150 KB

Choose files or drag here

Upload Excel Sheet For Viva Questions As Per Prescribed Format.

Mention question number with relevant fig / numerical / equations. Max 150 KB

Choose files or drag here

I have scrutinized the question paper. There is no spelling mistake or any type of irrelevant question.