

School of Aeronautics (Neemrana)

I-04, RIICO Industrial Area, Neemrana, Dist. Alwar, Rajasthan

Approved by Director General of Civil Aviation, Govt. of India, All India Council for Technical Education
Ministry of HRD, Govt of India & Affiliated to Rajasthan Technical University, Kota & BTU, Bikaner Rajasthan

Question Paper For Internal Assessment Examination (Theory) - Credit 2 / 123

Instructions for Students / Faculty

Mid Term I (Total 40 Marks, 1.5 HRS., Syllabus from Unit-1)

- Part A: Total number of questions to be given are four (2 from CO1 and 2 from CO2), each carrying 2 marks and are compulsory to attend. There is no choice. They are short answer type questions (**Not More Than 25 Words for Both Question & Answer**), no objective type or fill in the blanks. Total 8 marks.
- Part B: Total number of questions to be given are six (3 from CO1 and 3 from CO2), out of which student has to answer four (2 from CO1 and 2 from CO2). They are long answer type (**Not More Than 50 Words for Question Only**), each carrying 4 marks. Total 16 marks.
- Part C: Total number of questions to be given are four (2 from CO1 and 2 from CO2), out of which student has to answer two (1 from CO1 and 1 from CO2). They are numerical answer type / fully elaborative type* (**Not More Than 70 Words for Question Only**), each carrying 8 marks. Total 16 marks.

Mid Term II (Total 60 Marks, 2 HRS., Syllabus from Unit- 2)

- Part A: Total number of questions to be given are ten (5 from CO3 and 5 from CO4), each carrying 2 marks and are compulsory to attend. There is no choice. They are short answer type questions (**Not More Than 25 Words for Both Question & Answer**), no objective type or fill in the blanks. Total 20 marks.
- Part B: Total number of questions to be given are six (3 from CO3 and 3 from CO4), out of which student has to answer four (2 from CO3 and 2 from CO4). They are long answer type (**Not More Than 50 Words for Question Only**), each carrying 4 marks. Total 16 marks.
- Part C: Total number of questions to be given are four (2 from CO3 and 2 from CO4), out of which student has to answer any two (1 from CO3 and 1 from CO4). They are numerical answer type / fully elaborative type (**Not More Than 70 Words For Question Only**) *, each carrying 12 marks. Total 24 marks.

Mid Term III (Total 60 Marks, 2 HRS., Syllabus from Unit- 3)

- Part A: Total number of questions to be given are ten (5 from CO5 and 5 from CO6), each carrying 2 marks and are compulsory to attend. There is no choice. They are short answer type questions (**Not More Than 25 Words for Both Question & Answer**), no objective type or fill in the blanks. Total 20 marks.
- Part B: Total number of questions to be given are six (3 from CO5 and 3 from CO6), out of which student has to answer four (2 from CO5 and 2 from CO6). They are long answer type (**Not More Than 50 Words for Question Only**), each carrying 4 marks. Total 16 marks.
- Part C: Total number of questions to be given are four (2 from CO5 and 2 from CO6), out of which student has to answer any two (1 from CO5 and 1 from CO6). They are numerical answer type / fully elaborative type (**Not More Than 70 Words For Question Only**) *, each carrying 12 marks. Total 24 marks.

* LIST OF ELABORATIVE THEORY QUESTION SUBJECTS: 1 FY1 - 04 Communication Skills (Cr 2), 1 FY1 - 05 Human Values (Cr 2), 2 FY1 - 04 Communication Skills (Cr 2), 2 FY1 - 05 Human Values (Cr 2), 3 AN1 - 02 Technical Communication (Cr 2), 4 MH1 - 02 Technical Communications (Cr 2), 4 MH1 - 03 Economics and Financial Accounting (Cr 2), 5 AN5 - 12 Aircraft Maintenance Practices (Cr 2), 6 AN3 - 01 Mechanics of Composite Materials (Cr 2), 6 AN5 - 12 Aircraft Rules and Regulation (Cr 2), 6 MH3 - 01 Automobile Engineering (Cr 2).

Instructions For Faculties:

There should be total 6 Course Outcomes (COs) for each subject.

- Mid Term Question Papers are to be submitted as per Course Outcomes (COs) which should be divided equally in Part A, Part B and Part C according to Mid Term Examination and Credit Point.
- In Mid Term-1, the questions are to be given from CO1 and CO2. In Mid Term-2, the questions are to be given from CO3 and CO4. Similarly, in Mid Term-3, the questions are to be given from CO5 and CO6.
- FACULTY MEMBERS, PLEASE ENSURE EXCEPT ABOVE LISTED SUBJECTS, NO THEORITICAL ELABORATIVE QUESTION SHOULD BE GIVEN IN PART 'C' OF QUESTION PAPER**

INSTRUCTION FOR STUDENTS

- STUDENT IS ALLOWED TO ENTER LATE NOT MORE THAN 15 MIN AFTER STARTING OF EXAM, AND MAY LEAVE THE EXAM HALL ON EXPIRY OF ATLEAST OF 1 Hr FROM THE STARTING TIME OF EXAMINATION.**

Question Paper & Student Details

Type of Exam	Mid Term 2	Date of Submission	21/07/2021
Name of Faculty	Mr. Manbir Singh	Date of Examination	28/07/2021
Course	B.Tech (Aeronautical Engineering)	Semester	SEMESTER : 2
Batch	Twentieth (20)	Subject	2 FY3 - 09 Basic Civil Engineering (Cr 2)

COURSE OUTCOMES FOR REFERENCE TO FRAME QUESTION PAPER (Faculties are required to mention relevant Course Outcome number against the respective question in QP)

Course Outcome	CO 3. Demonstrate about the foundation and building construction methods in practice. CO 4. Judge the best modes of Transportation with the safety measures.		
Email I'd	manbirsingh@soaneemrana.org	Phone No.	807-648-5892
Student Name		Student Reg No.	

Part A

INSTRUCTIONS FOR PART A: ALL THE QUESTIONS ARE COMPULSORY TO ATTEND**1. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.**

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Question : 1 Write the properties of medium carbon steel.

Lesson Plan No. - 12	Topic - Construction material.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 2 Define mortar, the binding material.

Lesson Plan No. - 12	Topic - Construction material.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 3 Explain the plinth and carpet area.

Lesson Plan No. - 13	Topic - Introduction to building bylaws.	Source - Basic civil engineering by A.K. Dwivedi	CO No. -
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Question : 4 Explain in detail the building bylaws.

Lesson Plan No. - 13	Topic - Introduction to building bylaws.	Source - Basic civil engineering by A.K. Dwivedi	CO No. -
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Question : 5 Explain sub division of types of buildings.

Lesson Plan No. - 14	Topic - Types of buildings	Source - Basic civil engineering by A.K. Dwivedi	CO No. -
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2. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.

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Question : 6 Describe the road safety importance.

Lesson Plan No. - 15	Topic - Introduction to transportation engineering.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 7 Describe the Road Safety introduction.

Lesson Plan No. - 15	Topic - Introduction to transportation engineering.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 8 Discuss and explain the 3 modes of transportation.

Lesson Plan No. - 15	Topic - Introduction to transportation engineering.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 9 Describe the the safety measures take on the road.

Lesson Plan No. - 16	Topic - Various road traffic signs.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 10 Describe the 2 safety measures.

Lesson Plan No. - 16	Topic - Various road traffic	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Part B

FOR MIDTERM 1 - Part B: Total number of questions to be given are six (3 from CO1 and 3 from CO2), out of which student has to answer four (2 from CO1 and 2 from CO2).
FOR MIDTERM 2 - Part B: Total number of questions to be given are six (3 from CO3 and 3 from CO4), out of which student has to answer four (2 from CO3 and 2 from CO4).
FOR MIDTERM 3 - Part B: Total number of questions to be given are six (3 from CO5 and 3 from CO6), out of which student has to answer four (2 from CO5 and 2 from CO6).

3. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.

3

Question : 1 Explain the building technology and also describe the selection of site for building.

Lesson Plan No. - 14	Topic - Components of building	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 2 Define and explain types of buildings.

Lesson Plan No. - 14	Topic - Components of building	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 3 Describe the concept of Concept of sun light and ventilation.

Lesson Plan No. - 13	Topic - Introduction to building bylaws.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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4. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.

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Question : 4 Discuss and explain function of transportation.

Lesson Plan No. - 15	Topic - Transportation engineering.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 5 Discuss and explain Principles of transportation.

Lesson Plan No. - 15	Topic - Transportation engineering.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 6 Discuss and explain the educational measures.

Lesson Plan No. - 16	Topic - Various road traffic signs.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Part C

FOR MIDTERM 1 - Part C: Total number of questions to be given are four (2 from CO1 and 2 from CO2), out of which student has to answer two (1 from CO1 and 1 from CO2).
FOR MIDTERM 2 - Part C: Total number of questions to be given are four (2 from CO3 and 2 from CO4), out of which student has to answer any two (1 from CO3 and 1 from CO4).
FOR MIDTERM 3 - Part C: Total number of questions to be given are four (2 from CO5 and 2 from CO6), out of which student has to answer any two (1 from CO5 and 1 from CO6).

5. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.

3

Question : 1 Explain the following terms
a. Durability , b. hardness , c. toughness , d. appearance.

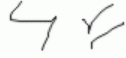
Lesson Plan No. - 12	Topic - Selection of site for building.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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Question : 2 Define and explain the properties of RCC(Reinforced concrete cement).

Lesson Plan No. - 14	Topic - Components of building	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
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6. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.

4

Question : 3	Discuss and explain types of transport are there.		
Lesson Plan No. - 15	Topic - Transportation engineering.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
Question : 4	Discuss and explain the Engineering measures.		
Lesson Plan No. - 16	Topic - Various road traffic signs.	Source - Basic civil engineering by A.K. Dwivedi.	CO No. -
Upload Scanned Document In Case of Numerical or Diagram For Any of The Above Questions. <i>(Mention question number with relevant fig / numerical / equations. Max 150 KB)</i>			
I have scrutinized the question paper. There is no spelling mistake or any type of irrelevant question.			
Corporate Office: H 974, Palam Extension, Part 1, Sector 7, Dwarka, New Delhi 110077			

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