



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 89 / SET 1

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEEMRANA

Instructions for Students / Faculty

Mid Term I (Total 60 Marks, 2 HRS. Syllabus from Unit-1)

- Part A: Total number of questions to be given are six (3 from CO1 and 3 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 12 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**), each carrying 4 marks. Total 16 marks.
- Part C: 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 numerical answer type / fully elaborative type (**Not More Than 70 Words For Question**)*, each carrying 8 marks. Total 32 marks.

Mid Term II (Total 90 Marks, 2.5 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 3 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 30 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**), each carrying 6 marks. Total 24 marks.
- Part C: Total number of questions to be given are six (3 from CO3 and 3 from CO4), out of which student has to answer any four (2 from CO3 and 2 from CO4). They are numerical answer type / fully elaborative type (**Not More Than 70 Words For Question**)*, each carrying 9 marks. Total 36 marks.

Mid Term III (Total 90 Marks, 2.5 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 3 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 30 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**), each carrying 6 marks. Total 24 marks.
- Part C: 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 numerical answer type / fully elaborative type (**Not More Than 70 Words For Question**)*, each carrying 9 marks. Total 36 marks.

* **LIST OF ELABORATIVE THEORY QUESTION SUBJECTS:** 3 MH4 - 07 Manufacturing Process, 4 AN4 - 06 Aircraft Materials and Processes (Cr 3), 5 AN4 - 05 Aircraft System (Cr 3), 6 AN4 - 05 Avionics-I (Cr 3), 6 MH4 - 03 Applied Hydraulics & Pneumatics (Cr 3), 6 MH5 - 11 Principles of Management (Cr 3), 6 MH5 - 13 Aircraft Electronics System (Cr 3), 7 AN5 - 12 Maintenance of Airframe and System (Cr 3), 7 AN5 - 13 Helicopter Theory (Cr 3), 7 AG6 - 60.1 Human Engineering and Safety (Cr 3), 7 ST - 01 Avionics II (Special Theory Subject) (Cr 3), 7 MH5 - 11 Design of Mechatronics Systems (Cr 3), 7 MH5 - 12 Robotics and Machine Vision System (Cr 3), 7 MH6 - 13 Medical Electronics (Cr 3), 7 AN6 - 60.1 Aircraft Avionic System (Cr 3), 8 AN5 - 12 Maintenance of Power Plant and System



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 89 / SET 1

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEEMRANA(Cr 3), 8 AN5 - 13 Unmanned Aerial Vehicles & Systems (UAV) (Cr 3), 8 MH5 - 13 Product Development & Launching
(Cr 3), 8 EC6 - 60.2 Robotics and control (Cr 3)**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,**

QUESTION PAPER & STUDENTS DETAILS

Type of Exam	Mid Term 1	Date of Submission	19/03/2021
Name of Faculty	Ms. Bhawna Sharma	Date of Examination	27/03/2021
Course	B.Tech (Aeronautical Engineering)	Semester	SEMESTER : 6
Batch	Sixth (6)	Subject	6 AN4 - 05 Avionics-I (Cr 3)-

COURSE OUTCOMES FOR REFERENCE TO FRAME QUESTION PAPERS

(Faculties are required to mention Course Outcome Number against each part of the question paper)

Course Outcome	CO 1: Identify the Basic of the application and identification of electrical cables. CO 2: Summarize the various aircraft Radar Engineering and Microwave Engineering.		
Email I'd	bhawnasharma@soaneemrana.org	Phone No.	955-765-8148
Student Name		Student Reg No.	

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.

CO 1

Question : 1

Give some salient features of linear and non linear resistors?

2

fixed resistors and varistors

Aircraft electrical system
by Ehj Pallett



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 89 / SET 1

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEEMRANA

Question : 2	What are radio waves? What is the frequency range of these radio waves?		
1	Introduction	Geroge Kannedy : Electronic Communication System, McGraw Hill.	
Question : 3	Why do we prefer crimping over soldering techniques?		
3	crimping and soldering techniques	Aircraft electrical system by Ehj Pallett	
Question : 4			
Question : 5			
2. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.			CO 2
Question : 6	What are the basic functions of a RADAR?		
5	Radar definition	Geroge Kannedy : Electronic Communication System, McGraw Hill.	
Question : 7	Give main parameters of a transmission line?		
8	Various types of radar transmission Lines	Geroge Kannedy : Electronic Communication System, McGraw Hill.	
Question : 8	What is the basic difference between isolators and circulators?		
10	passive components (e.g., Directional couplers, filters, isolators and circulators)	Geroge Kannedy : Electronic Communication System, McGraw Hill.	
Question : 9			
Question : 10			

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 must 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 must 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).



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 89 / SET 1

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEEMRANA**3. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.**

CO 1

Question : 1

Explain the construction of Co-axial cables with the help of a diagram?

3

Basic of the application and identification of electrical cables used in Aircraft radio installation,

Aircraft electrical system by Ehj Pallett

Question : 2

What are the different types of interference caused by electrical and ignition system to radio apparatus?

5

Different types of interference caused by electrical and ignition system to radio apparatus

Aircraft electrical system by Ehj Pallett

Question : 3

Distinguish between CW radar and pulse radar?

6

pulsed, CW and Doppler Radars

Geroge Kannedy :
Electronic Communication System, McGraw Hill.**4. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.**

CO 2

Question : 4

Distinguish various types of RADAR in terms of the input waveform used?

6

pulsed, CW and Doppler Radars, MTI,

Geroge Kannedy :
Electronic Communication System, McGraw Hill.**Question : 5**

What are waveguides? What is the fundamental difference between propagation in waveguides and propagation in transmission lines or free space?

8

Various types of radar transmission Lines

Geroge Kannedy :
Electronic Communication System, McGraw Hill.**Question : 6**

Explain the function of a Directional Coupler. Briefly describe the following terms : (a) Coupling factor, (b) Directivity and (c) Isolation in terms of Directional Couplers?

10

passive components (e.g., Directional couplers

Geroge Kannedy :
Electronic Communication System, McGraw Hill.**Question : 7 (Old Pattern)****PART C**



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 89 / SET 1

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEEMRANA

FOR MIDTERM 1 - Part C: Total number of questions to be given are six (3 from CO1 and 3 from CO2), out of which student must answer four (2 from CO1 and 2 from CO2).

FOR MIDTERM 2 - Part C: Total number of questions to be given are six (3 from CO3 and 3 from CO4), out of which student must answer four (2 from CO3 and 2 from CO4).

FOR MIDTERM 3 - Part C: 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).

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

CO 1

Question : 1 What types of wires and cables are used in Aircraft electrical system? Give their salient features in terms of material, composition. Also give specific applications depending on their specification?

2	Basic of the application and identification of electrical cables used in Aircraft radio installation	Aircraft electrical system by Ehj Pallett	
---	--	---	--

Question : 2 Differentiate between linear and non-linear resistors on the basis of their Composition, performance (stability and tolerance) and limitations?

4	Composition, performance (stability and tolerance) and limitations of the fixed resistors and varistors (carbon composition, carbon film, wire wound and metallic film)	Aircraft electrical system by Ehj Pallett	
---	---	---	--

Question : 3 What is RADAR? Derive the basic RADAR range equation, as governed by the minimum receivable echo power P_{min} .

5	Radar range equation	Geroge Kannedy : Electronic Communication System, McGraw Hill.	
---	----------------------	---	--

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

CO 2

Question : 4 What is doppler effect? Explain with the help of a block diagram, various stages of a Moving target indication Radar?

6	Doppler Radars, MTI, Noise Figure consideration	Geroge Kannedy : Electronic Communication System, McGraw Hill.	
---	---	---	--

Question : 5 What are modes? What are dominant modes of operations for a rectangular and circular waveguide. Also explain the different field patterns of common modes formed for rectangular and circular waveguides?

8	ectangular and circular waveguides, coaxial lines, field patterns modes (high order and evanescent),	Geroge Kannedy : Electronic Communication System, McGraw Hill.	
---	--	---	--

Question : 6 What are essential elements of a Klystron amplifier? With the help of a schematic, explain the working a Klystron amplifier?



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 89 / SET 1

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEEMRANA

11	Device: Magnetron, Klystron, backward wave oscillator, Travelling wave tubes, Amplifiers and parametric amplifiers.	Geroge Kannedy : Electronic Communication System, McGraw Hill.	
Upload Scanned Document In Case of Numerical or Diagram For Any of The Above Questions. (Mention question number with relevant fig / numerical / equations. Max 150 KB)			
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



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 85 /

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEW DELHI

Instructions for Students / Faculty

Mid Term I (Total 60 Marks, 2 HRS. Syllabus from Unit-1)

- Part A: Total number of questions to be given are six (3 from CO1 and 3 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 12 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**), each carrying 4 marks. Total 16 marks.
- Part C: 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 numerical answer type / fully elaborative type (**Not More Than 70 Words For Question**)*, each carrying 8 marks. Total 32 marks.

Mid Term II (Total 90 Marks, 2.5 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 3 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 30 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**), each carrying 6 marks. Total 24 marks.
- Part C: Total number of questions to be given are six (3 from CO3 and 3 from CO4), out of which student has to answer any four (2 from CO3 and 2 from CO4). They are numerical answer type / fully elaborative type (**Not More Than 70 Words For Question**)*, each carrying 9 marks. Total 36 marks.

Mid Term III (Total 90 Marks, 2.5 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 3 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 30 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**), each carrying 6 marks. Total 24 marks.
- Part C: 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 numerical answer type / fully elaborative type (**Not More Than 70 Words For Question**)*, each carrying 9 marks. Total 36 marks.

* **LIST OF ELABORATIVE THEORY QUESTION SUBJECTS:** 3 MH4 - 07 Manufacturing Process, 4 AN4 - 06 Aircraft Materials and Processes (Cr 3), 5 AN4 - 05 Aircraft System (Cr 3), 6 AN4 - 05 Avionics-I (Cr 3), 6 MH4 - 03 Applied Hydraulics & Pneumatics (Cr 3), 6 MH5 - 11 Principles of Management (Cr 3), 6 MH5 - 13 Aircraft Electronics System (Cr 3), 7 AN5 - 12 Maintenance of Airframe and System (Cr 3), 7 AN5 - 13 Helicopter Theory (Cr 3), 7 AG6 - 60.1 Human Engineering and Safety (Cr 3), 7 ST - 01 Avionics II (Special Theory Subject) (Cr 3), 7 MH5 - 11 Design of Mechatronics Systems (Cr 3), 7 MH5 - 12 Robotics and Machine Vision System (Cr 3), 7 MH6 - 13 Medical Electronics (Cr 3), 7 AN6 - 60.1 Aircraft Avionic System (Cr 3), 8 AN5 - 12 Maintenance of Power Plant and System



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 85 /

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEW DELHI(Cr 3), 8 AN5 - 13 Unmanned Aerial Vehicles & Systems (UAV) (Cr 3), 8 MH5 - 13 Product Development & Launching
(Cr 3), 8 EC6 - 60.2 Robotics and control (Cr 3)**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,**

QUESTION PAPER & STUDENTS DETAILS

Type of Exam	Mid Term 1	Date of Submission	17/03/2021
Name of Faculty	Ms. Tarun Thukral	Date of Examination	24/03/2021
Course	B.Tech (Aeronautical Engineering)	Semester	SEMESTER : 6
Batch	DS - 2018	Subject	6 AN4 - 05 Avionics-I (Cr 3)-

COURSE OUTCOMES FOR REFERENCE TO FRAME QUESTION PAPERS

(Faculties are required to mention Course Outcome Number against each part of the question paper)

Course Outcome	CO 1: Identify the Basic of the application and identification of electrical cables. CO 2: Summarize the various aircraft Radar Engineering and Microwave Engineering. CO 3: Interpret the construction and working principle of various Aerials and Propagation and Electronic Navigation of an aircraft. CO 4: Illustrate about the basic inspection's procedures Communication Equipment's and its working. CO 5: Identify the components of aircraft VHF, ELT, AIS. CVR, FDR systems its working and construction. CO 6: Describe about the operation of Navigation Systems and GPS Systems in an aircraft.		
Email I'd	tarunthukral@soaneemrana.org	Phone No.	750-096-6580
Student Name		Student Reg No.	

PART A**All the questions are compulsory to attend.**



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 85 /

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEW DELHI**1. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.**

CO 1

Question : 1

Write the basic principle of Radio.

01

Object Scope and Outcome

James Powell

Question : 2

Write an example to identify the wires of an aircraft.

02

General

Aircraft Electricity and Electronics by EISMIN

Question : 3

Name the types of fixed resistors.

03

General

Electrical Technology by B L Thareja

Question : 4**Question : 5****2. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.**

CO 2

Question : 6

Define Radar.

6

Radar Engineering

Introduction to Radar system . Third Edition by Merril I. Skolnik.

Question : 7

Explain waveguides. Write its types.

9

Microwave Engineering

Microwave Devices and circuits Third Edition By Samuel Y Liao

Question : 8

Define Noise Figure.

7

Radar Engineering

Introduction to Radar system . Third Edition by Merril I. Skolnik.

Question : 9**Question : 10****PART B**



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 85 /

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEW DELHI

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 must 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 must 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.

CO 1

Question : 1

Write the difference between soldering and crimping.

2

General

Aircraft Electricity and
Electronics by EISMIN**Question : 2**

Write the method of creation of electromagnetic interference.

3

General

ELEMENT OF
ELECTROMAGNETIC
FIELDS BY- S.P. SETH**Question : 3**

Define bonding and shielding (screening)

5

General

Aircraft Electricity and
Electronics by EISMIN**4. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.**

CO 2

Question : 4

Explain directional couplers.

10

Microwave Engineering

Microwave Devices and
circuits Third Edition By
Samuel Y Liao**Question : 5**

Explain the detection of radar signals in noise.

8

Radar Engineering

Introduction to Radar system
. Third Edition by Merril I.
Skolnik.**Question : 6**

Explain basic pulsed Radar.

6

Radar Engineering

Introduction to Radar system
. Third Edition by Merril I.
Skolnik.**Question : 7 (Old
Pattern)****PART C**



Question Paper For Internal Assessment Examination (Theory) - Credit 3 / 85 /

NAME OF STUDY CENTER: SCHOOL OF AERONAUTICS, NEW DELHI

FOR MIDTERM 1 - Part C: Total number of questions to be given are six (3 from CO1 and 3 from CO2), out of which student must answer four (2 from CO1 and 2 from CO2).

FOR MIDTERM 2 - Part C: Total number of questions to be given are six (3 from CO3 and 3 from CO4), out of which student must answer four (2 from CO3 and 2 from CO4).

FOR MIDTERM 3 - Part C: 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).

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

CO 1

Question : 1

Explain basic superheterodyne receiver with block diagram .

1

Object Scope and Outcomel

AIRCRAFT RADIO
SYSTEMS By J. Powel**Question : 2**

Explain the advantages of crimping over soldering

2

General

Aircraft Electricity and
Electronics by EISMIN**Question : 3**

Explain EMI and EMC.

4

General

ELEMENT OF
ELECTROMAGNETIC
FIELDS BY- S.P. SETH**6. CHOOSE COURSE OUTCOME (CO) NUMBER ACCORDING TO THE TYPE OF MIDTERM, AS PER INSTRUCTIONS ABOVE.**

CO 2

Question : 4

Explain the construction and working of Magnetron.

10

Microwave Engineering

Microwave Devices and
circuits Third Edition By
Samuel Y Liao**Question : 5**

Describe CW radar in detail.

6

Radar Engineering

Introduction to Radar system
. Third Edition by Merril I.
Skolnik.**Question : 6**

Explain the working of isolator and circulator.

10

Microwave Engineering

Microwave Devices
and circuits Third
Edition By Samuel Y
Liao

Upload Scanned Document In Case of Numerical or Diagram For Any of The Above Questions. (Mention question number with relevant fig / numerical / equations. Max 150 KB)

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