DEPARTMENT OF VETERINARY MICROBIOLOGY
Shourabh College of Veterinary Science, Kheda, Hindaun City, Karauli

LECTURE SCHEDULE – THEORY
B.V.Sc.&A.H. – 2nd Year
Credit Hrs. (3+2) w.e.f. 17/10/2024
Theory Lecture Duration: One hour
Second Professional B.V.Sc.&A.H.
Teachers: Dr. Pragya Dwivedi and Prof. A.K. Kataria

S.NO.	DATE	TOPICS
UNIT I **GENERAL AND SYSTEMATIC VETERINARY BACTERIOLOGY**		
1	17.10.24	Introduction and history of Microbiology
2	18.10.24	Classification and nomenclature of bacteria
3	19.10.24	Microscopy and Micrometry, Bacterial stains and techniques
4	24.10.24	Structure and morphology of bacteria, Growth and nutritional requirement of aerobic and anaerobic bacteria
5	25.10.24	Normal, opportunistic and saprophytic bacterial flora, Types and sources of infection, method of transmission of infection.
6	26.10.24	Pathogenicity, virulence, determinants of virulence, Epizootic and enzootic diseases
7	7.11.24	Bacteremia, septicaemia and toxaemia, endotoxins, exotoxins, antitoxins, toxoids
8	8.11.24	Bacterial genetics (Mutation)
9	9.11.24	Bacterial genetics (Transformation)
10	14.11.24	Bacterial genetics (Transduction and Conjugation)
11	16.11.24	Plasmids and antibiotic resistance.

12	21.11.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Staphylococcus
13	22.11.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Streptococcus
14	23.11.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Corynebacterium
15	28.11.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Trueperella
16	29.11.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Rhodococcus
17	30.11.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Listeria
18	5.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Erysepelothrix
19	6.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Bacillus
20	7.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Mycobacterium
21	12.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Clostridium

22	13.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Clostridium
23	14.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Actinomyces
24	20.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Nocardia
25	21.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Streptomyces and *Dermatophilus*
26	26.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by Family Enterobacteriaceae
27	27.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Pseudomonas* and *Burkholderia*
28	28.12.24	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Pasteurella*, *Mannheimia,Actinobacillus and Haemophilus*
29	2.1.25	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Brucella*
30	3.1.25	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Vibrio; Campylobacter; Bordetella and Moraxella*
31	4.1.25	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Gram negative anaerobes Bacteroides,* D*ichlobacteria* and *Fusobacterium*
32	9.1.25	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis,

		prevention and control of bacterial diseases caused by *Leptospira and other Spirochaetes*
33	10.1.25	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Coxiella, Neorickettsia*
34	11.1.25	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Mycoplasma*
35	16.1.25	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Ehrlichia, Anaplasma, Rickettsia*
36	17.1.25	Isolation, growth, cultural, morphological, biochemical and antigenic characteristics, epidemiology and pathogenesis, pathogenicity, diagnosis, prevention and control of bacterial diseases caused by *Chlamydia and Chlamydophila*
37	18.1.25	Emerging, re-emerging and transboundary bacterial pathogens
UNIT II **VETERINARY MYCOLOGY**		
38	23.1.25	Introduction, classification, general properties of fungi
39	24.1.25	Growth and Reproduction of fungi
40	25.1.25	Isolation, growth, morphological, cultural,biochemical and antigenic characteristics, epidemiology, pathogenesis, diagnosis and control of fungal diseases caused by *Candida* and *Cryptococcus*
41	30.1.25	Isolation, growth, morphological, cultural,biochemical and antigenic characteristics, epidemiology, pathogenesis, diagnosis and control of fungal diseases caused by *Aspergillus*
42	31.1.25	Isolation, growth, morphological, cultural,biochemical and antigenic characteristics, epidemiology, pathogenesis, diagnosis and control of fungal diseases caused by *Penicillium*
43	1.2.25	Isolation, growth, morphological, cultural,biochemical and antigenic characteristics, epidemiology, pathogenesis, diagnosis and control of fungal diseases caused by Dermatophytes and Malassezia
44	6.2.25	Isolation, growth, morphological, cultural,biochemical and antigenic characteristics, epidemiology, pathogenesis, diagnosis and control of fungal diseases caused by Dimorphic fungi
45	7.2.25	Isolation, growth, morphological, cultural,biochemical and antigenic characteristics, epidemiology, pathogenesis, diagnosis and control of fungal diseases caused by *Sporotrichum*

46	8.2.25	Isolation, growth, morphological, cultural,biochemical and antigenic characteristics, epidemiology, pathogenesis, diagnosis and control of fungal diseases caused by *Rhinosporidium*
47	13.2.25	Isolation, growth, morphological, cultural,biochemical and antigenic characteristics, epidemiology, pathogenesis, diagnosis and control of fungal diseases caused by Mycetoma and *Zygomycetes*
48	14.2.25	Mycotic mastitis and mycotic abortion; Mycotoxicoses
UNIT III **MICROBIAL BIOTECHNOLOGY**		
49	15.2.25	Basic concepts and scope of Recombinant DNA technology
50	20.2.25	Gene cloning, Cloning vectors and expression vectors
51	21.2.25	Transformation and transfection
52	22.2.25	Southern, Northern and Western blotting
53	27.2.25	Bioinformatics, Gene banks
54	28.2.25	Polymerase chain reaction, Nucleic acid hybridization
55	1.3.25	DNA library, DNAsequencing and DNA fingerprinting
56	6.3.25	IPR
57	7.3.25	Ethics and regulatory issues in Animal Biotechnology.
UNIT IV **VETERINARY IMMUNOLOGY AND SEROLOGY**		
58	8.3.25	History of Immunology
59	20.3.25	Lymphoid organs, tissues and Cells
60	21.3.25	Types of Immunity
61	22.3.25	Antigens, hapten, epitope, T dependent and T independent Antigens, heterophile Antigens, cross reacting Antigens, blood group Antigens
62	27.3.25	Mitogens and factors affecting immunogenicity, Adjuvants
63	28.3.25	Antibody: Structure, physiochemical properties and functions of various classes of immunoglobulins
64	29.3.25	Theories of antibody production
65	3.4.25	Hybridoma and monoclonal antibodies
66	4.4.25	Serological reactions
67	5.4.25	Major histocompatibility complex (MHC) structure, function and gene organization
68	12.4.25	Major histocompatibility complex (MHC) structure, function and gene organization

69	16.4.25	Structure of BCR and TCR; Antigen processing and presentation
70	17.4.25	Complement system: activation pathways and biological consequences
71	18.4.25	Cytokines: general properties, major types and function
72	24.4.25	Hypersensitivity: classification and mechanism of induction
73	25.4.25	Autoimmunity; Immunotolerance; Concept of Immunity to Microbes
74	26.4.25	Vaccines and other biologicals
UNIT V **GENERAL AND SYSTEMIC VETERINARY VIROLOGY**		
75	1.5.25	History of Virology; Introduction to viruses; Structure of Viruses; Classification of Viruses
76	2.5.25	Viral Replication
77	3.5.25	Genetic and Non-genetic viral interactions; Virus-Cell Interactions; Viral Pathogenesis oncogenesis, latency and immunopathology
78	8.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of *Birnaviridae*: Infectious bursal disease virus, Reoviridae; rota virus, blue tongue virus, African horse sickness virus
79	9.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of *Paramyxoviridae*: Newcastle disease virus, Canine distemper virus, PPR virus
80	10.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of *Paramyxoviridae*: Newcastle disease virus, Canine distemper virus, PPR virus
81	15.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of *Rhabdoviridae*: Rabies virus, Ephemeral fever virus
82	16.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of Bornaviridae, Borna virus
83	17.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of *Orthomyxoviridae*: Swine, Equine, Avian Influenza Viruses; Coronaviridae ; infectious bronchitis virus, transmissible gastroenteritis virus; Arteriviridae , equine viral arteritis virus; Picornaviridae ; FMD virus, duck viral hepatitis
84	22.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of *Caliciviridae*: Feline calici Virus, Togaviridae: equine encephalomyelitis viruses; Flaviviridae: swine fever virus, BVD virus; Retroviridae: Visna or maedi virus, Equine infectious anaemia virus

85	23.5.25	Lymphoid leucosis virus, Bovine leukemia virus.
86	24.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of Poxviridae: Capripoxvirus,Avipoxvirus, cowpoxvirus;
87	30.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of Asfarviridae; African swine fever virus;
88	31.5.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of *Circoviridae*: Chicken Anemia Virus
89	5.6.25	Prions: Scrapie,Bovine Spongiform Encephalopathy
90	6.6.25	Prions: Scrapie,Bovine Spongiform Encephalopathy
91	12.6.25	Prions: Scrapie,Bovine Spongiform Encephalopathy
92	13.6.25	Prions: Scrapie,Bovine Spongiform Encephalopathy
93	14.6.25	Duck Plague virus, Adenoviridae;Infectious canine hepatitis virus,
94	19.6.25	Egg drop syndrome virus, Fowl adenovirus, Papillomaviridae:
95	20.6.25	Papillomatosis, Parvoviridae:
96	21.6.25	General Properties, Antigens, Cultivation, Pathogenesis, Epidemiology, Clinical Signs,Diagnosis, Prevention and Control of Herpesviridae: Bovine herpes viruses,
97	26.6.25	Equine Herpes viruses, Infectious laryngotracheitis virus,
98	27.6.25	Marek's disease virus,
99	28.6.25	Pseudorabies virus,
100	3.7.25	Pseudorabies virus,
101	4.7.25	Malignant Catarrhal fever virus;
102	5.7.25	Canine parvoviruses
103	10.7.25	Feline panleukopenia virus;
104	11.7.25	Emerging, re-emerging and transboundary viruses and viral infections
105	12.7.25	Emerging, re-emerging and transboundary viruses and viral infections
106	17.7.25	Revision
107	18.7.25	Revision
108	19.7.25	Revision

109	24.7.25	Revision
110	25.7.25	Revision
111	26.7.25	Revision
112	31.7.25	Revision
113	1.8.25	Revision
114	2.8.25	Revision
115	7.8.25	Revision
116	8.8.25	Revision
117	9.8.25	Revision
118	14.8.25	Revision
1119	21.8.25	Revision
120	22.8.25	Revision
121	23.8.25	Revision
122	28.8.25	Revision
123	29.8.25	Revision
124	30.8.25	Revision
125	4.9.25	Revision
126	6.9.25	Revision
127	11.9.25	Revision
128	12.9.25	Revision
129	13.9.25	Revision

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LECTURE SCHEDULE – PRACTICAL

B.V.Sc.&A.H. – 2ND Year
Credit Hrs. (3+2) w.e.f. 17/10/2024
Practical Duration: Two hours
Second Professional B.V.Sc.&A.H.
Teachers: Dr. A.K. Kataria; Dr. Pragya Dwivedi; Dr. Anjali Singh

S.NO.	DATE & BATCH	TOPIC
UNIT I **GENERAL AND SYSTEMATIC VETERINARY BACTERIOLOGY**		
1	C 16.10.24 A 17.10.24 B 18.10.24	Orientation to bacteriology laboratory
2	C 19.10.24 A 21.10.24 B 22.10.24	Methods of sterilization and disinfection
3	C 23.10.24 A 24.10.24 B 25.10.24	Preparation of culture media for cultivation of aerobic and anaerobic bacteria
4	C 26.10.24 A 28.10.24 B 29.10.24	Methods of inoculation
5	C 30.10.24 B 1.11.24 A 4.11.24	Cultivation of aerobic and anaerobic bacteria
6	B 5.11.24 C 6.11.24 A 7.11.24	Isolation of bacteria in pure culture
6	B 8.11.24 A 11.11.24 C 9.11.24	Simple staining, Negative staining
7	B 12.11.24 A 14.11.24 C 13.11.24	Differential staining procedures of bacteria:Gram's staining
8	A 18.11.24 B 19.11.24 C 16.11.24	Differential staining procedures of bacteria:Acid fast staining
9	A 21.11.24 B 22.11.24 C 20.11.24	Special staining procedures: Capsule and Spore staining
10	A 25.11.24 B 26.11.24 C 23.11.24	Bacterial motility
11	A 28.11.24 B 29.11.24 C 27.11.24	Culture sensitivity test

12	A 2.12.24 B 3.12.24 C 30.11.24	Outlines of collection, transportation and processing of samples for bacterial disease diagnosis
13	A 5.12.24 B 6.12.24 C 4.12.24	Characterization of *Staphylococcus*
14	A 9.12.24 B 10.12.24 C 7.12.24	Characterization of Streptococcus
15	A 12.12.24 B 13.12.24 C 11.12.24	Characterization of E. coli
16	A 16.12.24 B 17.12.24 C 14.12.24	Characterization of Salmonella
17	A 19.12.24 B 20.12.24 C 18.12.24	Characterization of Klebsiella and Proteus
18	A 23.12.24 B 24.12.24 C 21.12.24	Characterization of Pseudomonas
19	A 26.12.25 B 27.12.24 C 28.12.24	Characterization of Clostridium
20	A 30.12.25 B 31.12.25 C 1.1.25	Characterization of Pasteurella
21	A 2.1.25 B 3.1.25 C 4.1.25	Isolation and identification of bacteria from clinical cases of Mastitis
22	A 9.1.25 B 7.1.25 C 8.1.25	Isolation and identification of bacteria from clinical cases of Abortions
23	A 13.1.25 B 10.1.25 C 11.1.25	Isolation and identification of bacteria from clinical cases of Enteric, Respiratory and Pyogenic infections.
UNIT II **VETERINARY MYCOLOGY**		
24	A 16.1.25 B 14.1.25 C 15.1.25	Outline of collection, transportation and processing of samples for fungal disease diagnosis

25	A 20.1.25 B 17.1.25 C 18.1.25	Preparation of culture media
26	A 23.1.25 B 21.1.25 C 22.1.25	Cultivation and slide culture technique of fungi
27	A 27.1.25 B 24.1.25 C 25.1.25	Cultural characteristics of fungi
28	A 30.1.25 B 28.1.25 C 29.1.25	Lactophenol cotton blue staining to study morphology of fungi
29	A 3.2.25 B 31.1.25 C 1.2.25	Culture sensitivity test of fungi
30	A 6.2.25 B 7.2.25 C 5.2.25	Diagnosis of Aspergillosis and Candidiasis
31	A 10.2.25 B 11.2.25 C 8.2.25	Demonstration of other important yeast, moulds and Dermatophytes
UNIT III **MICROBIAL BIOTECHNOLOGY**		
32	A 13.2.25 B 14.2.25 C 12.2.25	Extraction and quantitation of nucleic acid
33	A 17.2.25 B 18.2.25 C 15.2.25	Plasmid isolation and plasmid profiling
34	A 20.2.25 B 21.2.25 C 19.2.25	Agarose gel electrophoresis for studying or diagnosis of nucleic acid of microbes
35	A 24.2.25 B 25.2.25 C 22.2.25	SDS PAGE electrophoresis for studying or diagnosis of proteins of microbes
36	A 27.2.25 B 28.2.25 C 1.3.25	Use of multimedia and audiovisual aids for molecular biology aspects
UNIT IV **VETERINARY IMMUNOLOGY AND SEROLOGY**		
37	A 3.3.25 B 4.3.25	Inoculations of lab animals

	C 5.3.25	
38	A 6.3.25 B 7.3.25 C 8.3.25	Preparation of antigen
39	A 10.3.25 B 11.3.25 C 12.3.25	Raising of antisera
40	A 17.3.25 B 18.3.25 C 15.3.25	separation and preservation of serum
41	A 20.3.25 B 21.3.25 C 19.3.25	Concentration of Immunoglobulins
42	A 24.3.25 B 25.3.25 C 22.3.25	Agglutination tests: Plate
43	A 27.3.25 B 28.3.25 C 26.3.25	Agglutination tests: Tube
44	A 3.4.25 B 1.4.25 C 29.3.25	Haemagglutination
45	A 7.4.25 B 4.4.25 C 2.4.25	Precipitation test: Agar gel precipitation Test
46	A 17.4.25 B 8.4.25 C 5.4.25	Single radial immunodiffusion test
47	A 21.4.25 B 15.4.25 C 9.4.25	Immunoelectrophoresis Cell mediated immune response (DTH)
48	A 24.4.25 B 22.4.25 C 12.4.25	Enzyme linked immunosorbent assay (ELISA)
49	A 28.4.25 B 25.4.25 C 16.4.25	Visit and appraisal of veterinary biological institute
UNIT V **GENERAL AND SYSTEMIC VETERINARY VIROLOGY**		
50	A 1.5.25 B 2.5.25	Orientation to a virology laboratory

	C 19.4.25	
51	A 5.5.25 B 6.5.25 C 23.4.25	Collection, preservation, transport of samples and their processing in virology laboratory
52	A 8.5.25 B 9.5.25 C 26.4.25	Isolation of viruses in laboratory animals or poultry or embryonated chicken eggs
53	A 12.5.25 B 13.5.25 C 30.4.25	Preparation of media and reagents for cell culture
54	A 15.5.25 B 16.5.25 C 3.5.25	Subculture and maintenance of continuous cell lines
55	A 19.5.25 B 20.5.25 C 7.5.25	Quantitation of cells by viable cell counts in a haemocytometer
56	A 22.5.25 B 23.5.25 C 10.5.25	Cryopreservation and recovery of cell cultures
57	A 26.5.25 B 27.5.25 C 14.5.25	Preparation of Primary cell culture (chicken embryo fibroblast or Lamb kidney)
58	A 2.6.25 B 30.5.25 C 17.5.25	Demonstration of cytopathic effect by viruses in cell culture (Important virus isolates available in the department)
59	A 5.6.25 B 3.6.25 C 21.5.25	Demonstration of Titration of virus by TCID50 and plaque assay in cell cultures
60	A 9.6.25 B 6.6.25 C 24.5.25	Demonstration of neutralizing antibodies by serum neutralization test in cell cultures
61	A 12.6.25 B 10.6.25 C 28.5.25	Agar gel precipitation test for detection of virus infection
62	A 16.6.25 B 13.6.25 C 31.5.25	Agar gel precipitation test for detection of virus infection
63	A 19.6.25 B 17.6.25 C 4.6.25	Titration of Newcastle disease virus by haemagglutination test

64	A 23.6.25 B 20.6.25 C 11.6..25	Haemagglutination inhibition test for detection of antibodies to Newcastle disease virus
65	A 26.6.25 B 24.6.25 C 14.6.25	Haemagglutination inhibition test for detection of antibodies to Newcastle disease virus
66	A 30.6.25 B 27.6.25 C 18.6.25	ELISA for detection of viral antigen and antibodies
67	A 3.7.25 B 1.7.25 C 21.6.25	ELISA for detection of viral antigen and antibodies
68	A 7.7.25 B 4.7.25 C 26.7.25	Molecular techniques for viral disease diagnosis
69	A 10.7.25 B 8.7.25 C 25.6.25	Molecular techniques for viral disease diagnosis
70	A 14.7.25 B 11.7.25 C 28.6.25	Molecular techniques for viral disease diagnosis
71	A 17.7.25 B 15.7.25 C 2.7.25	Revision
72	A 21.7.25 B 18.7.25 C 5.7.25	Revision
73	A 24.7.25 B 22.7.25 C 9.7.25	Revision
74	A 28.7.25 B 25.7.25 C 12.7.25	Revision
75	A 31.7.25 B 29.7.25 C 16.7.25	Revision
76	A 4.8.25 B 1.8.25 C 19.7.25	Revision
77	A 7.8.25 B 5.8.25	Revision

	C 23.7.25	
78	A 11.8.25 B 8.8.25 C 26.7.25	Revision
79	A 14.8.25 B 12.8.25 C 30.7.25	Revision
80	A 18.8.25 B 19.8.25 C 2.8.25	Revision