



BEHAVIORAL SCIENCES CURRICULUM
FOR
BDS 100 Hours

(November 6th, 2022)

Prepared by

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Table of Abbreviations

FA	Final Assessment
IA	Internal Assessment
GS	Guest Speaker

2nd Year (50 Hours BDS)

Learning Outcomes	Course Content	Instructional Strategies	Assessment Tool	Teaching Faculty
1. Introduction to Behavioral Sciences and Its Importance in Health				
Comprehend significance of Behavioral Sciences in Medical practice	Significance of behavioral Sciences in clinical practice	Seminar with Psychologist, anthropologist and Sociologist	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	<ul style="list-style-type: none"> • Psychologist or Psychiatrist / Behavioural Scientist • Anthropologist (GS) • Sociologist (GS)
Demonstrate understanding of holistic and bio medicine model in clinical practice along with understanding of culture and medical practice	Differentiate: 1. Holistic Vs. Traditional Allopathic Medicine 2. Culture & Medical Practice	Lectures/ Presentations	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	<ul style="list-style-type: none"> • Psychologist or Psychiatrist / Behavioural Scientist • Physician (GS)
Comprehensive understanding of psychology, sociology and anthropology as well as biological determinants of health and disease in clinical practice, along with public health approach of primary and secondary prevention of disease/disorder and promotion of health.	Discuss Health Care Models and their Clinical Applications 1. Bio-Psycho-Social Model of health and disease 2. The Integrated Model of Health Care: Correlation of Body, Brain, Mind, Spirit and Behavioural Sciences 3. The Public Health Care Model	<ul style="list-style-type: none"> • Lectures/ Presentations • Small group discussions (SGD)/seminars 	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	<ul style="list-style-type: none"> • Psychologist or Psychiatrist / Behavioural Scientist • Anthropologist (GS) • Sociologist (GS) • Public Health specialist (GS)

2. Understanding Behaviour				
Analyze human behaviour and other factors affecting health and disease by Enhancing doctor's own learning and clinical skill.	Understand human behaviour through Principles of Psychology 1. Sensation and sense organs 2. Perception 3. Attention and concentration 4. Memory 5. Thinking 6. Communication	<ul style="list-style-type: none"> Lectures/Presentations Interactive Video Vignettes Large group Interactive session (LGIS) 	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist / Behavioural Scientist
3. Individual Differences				
Understand and assess types of human personality and phases of personality development along with intelligence.	Understand individual human differences 1. Intelligence 2. Personality Development	<ul style="list-style-type: none"> Lectures/Presentations Interactive Video Vignettes Large group Interactive session (LGIS) 	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist/ Behavioural Scientist
Understand the complex interplay of Brain and Behaviour	Describe Neurobiological and Psychological Basis of Behaviour 1. Emotions 2. Motivation/need/ drive 3. learning	<ul style="list-style-type: none"> Lectures/Presentations Interactive Video Vignettes Group Project 	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist / Behavioural Scientist
4. Dental Ethics and Mental Health Acts				
Integrate the principles of dental ethics in professional life	Dental Ethics and Professionalism	<ul style="list-style-type: none"> Lectures/Presentations Small Group Discussion 	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes,	<ul style="list-style-type: none"> Psychologist/ Behavioural Scientist Psychiatrist/ Dentist

Integrate significance of ethics in clinical practice	Describe and Demonstrate relevance of Ethics in the Life of a Dentist <ol style="list-style-type: none"> 1. Scope and Meaning of dental Ethics 2. Guiding Principles of dental Ethics 3. Common Ethical Issues in dental Practice 4. Common Ethical Dilemmas in a Health Professional's Life 5. Doctor-Patient Relationship 	<ul style="list-style-type: none"> • Lectures/Presentations • Declamation Contests, Dramas, Documentaries, Short Films and Videos (e.g. on common ethical dilemmas) • Role-playing with peers • Case-Based Learning (CBL) 	presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychiatrist/ Dentist
5. Doctor Patient Relationship				
Analyze critical situations/ challenges in clinical practice to solve clinical problems	Discuss Rights and Responsibilities of Patients and Doctors <ol style="list-style-type: none"> 1. Rights of the Patient 2. Responsibilities of the Patients 3. Rights of the Doctor 4. Responsibilities of the Doctor 	<ul style="list-style-type: none"> • Lectures/Presentations • Case-Based Learning (CBL) • Large group Interactive session (LGIS) • Storytelling by students 	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist /Physician
Critique the ethical boundaries of conduct in doctor patient relationship	Understand Psychological Reactions in Doctor-Patient Relationship <ol style="list-style-type: none"> 1. Social bonding 2. Dependence 3. Transference 4. Counter-transference 5. Resistance 	<ul style="list-style-type: none"> • Lectures/Presentations • Case-Based Learning (CBL) • Large group Interactive session (LGIS) • Storytelling by students 	FA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist / Behavioural Scientist

	6. Unwell Physician / Burn-out	<ul style="list-style-type: none"> • Role-playing with peers 		
Demonstrate professional excellence of a doctor to maintain healthy doctor-patient relationship	Understand Professionalism in Health Care 1. Knowledge 2. Skills 3. Attitudes	<ul style="list-style-type: none"> • Lectures/Presentations • Large group Interactive session (LGIS) 	EA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	<ul style="list-style-type: none"> • Psychologist or Psychiatrist t/ Behavioural Scientist • Physician (GS)
6.Non Pharmacological Interventions: Communication Skills, Counselling, Crisis Intervention, Conflict Resolution, Informational Care and Breaking Bad News				
Demonstrate effective communication skills in clinical practice, assimilate and handle patient information in different clinical scenarios. Handling uncertain situations in clinical practice.	Demonstrate Non-Pharmacological Interventions (NPIs) in Clinical Practice 1. Communication Skills 2. Counselling 3. Informational Care (IC) 4. Handling Difficult Patients and their Families 5. Breaking Bad News 6. Crisis Intervention and Disaster Management 7. Conflict Resolution 8. Empathy	<ul style="list-style-type: none"> • Lecture /Presentation • Role-playing with peers • Storytelling by students • Problem Based Learning (PBL) • Case-Based Learning (CBL), • Interactive Video Vignettes 	EA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist / Behavioural Scientist
Integrate skills to deal with psychological and social peculiarities while practicing dentistry in clinical settings.	Explain Psychosocial Peculiarities of Dentistry	<ul style="list-style-type: none"> • Lectures/Presentations • Large group Interactive session (LGIS) 	EA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case	<ul style="list-style-type: none"> • Psychologist or Psychiatrist / Behavioural Scientist • Dentist (GS)

			studies, reflective writing and student portfolios	
7. Life Events: Psychotrauma, Psychological Reactions, Stress and Stressors, Stress Management				
Identify sources of stress and its management towards patients, self and other staff members	Define and discuss Stress and its Management 1. Job-related Stress & Burnout 2. Response to stress 3. Stress Management	<ul style="list-style-type: none"> • Lectures/Presentations • Case-Based Learning (CBL), • Case studies • Individual assignment 	EA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist / Behavioural Scientist
Equip medical students with knowledge and skills in order to respond to psycho-traumatic cases in hospital settings.	Understanding Psychotrauma	<ul style="list-style-type: none"> • Lectures/Presentations • Case studies • Reflective writing 	EA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist / Behavioural Scientist

3rd Year (50 Hours BDS)

1. Psychological Aspects of Health and Disease

<p>Illustrate human thought, behaviour and interactions by health and disease situations influenced by psychological factors.</p>	<p>Discuss role of Psychology in Medical Practice</p> <ol style="list-style-type: none"> 1. Role of psychological factors in the aetiology of health problems 2. Role of psychological factors in the precipitation (triggering) of illnesses 3. Role of psychological factors in the management of illnesses 4. Role of psychological and social factors in diseases causing disability, handicap and stigma 5. Role of psychological factors in patients reactions to illness 6. Medically Unexplained Physical Symptoms (MUPS) 	<ul style="list-style-type: none"> • Lectures/ Presentations • Large group Interactive session (LGIS) • Reflective Writing • Interactive Video Vignettes 	<p>EA: MCQs, SAQs, SEQs and OSCE</p> <p>IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios</p>	<ul style="list-style-type: none"> • Psychologist or Psychiatrist / Behavioural Scientist • Physician (GS)
<p>Recognize the factors contributing towards a state of psychological and social well-being of human in clinical</p>	<p>Discuss and Demonstrate Psychosocial Aspects of Health and Disease</p>	<ul style="list-style-type: none"> • Lectures/ Presentations • Large group Interactive session (LGIS) 	<p>EA: MCQs, SAQs, SEQs and OSCE</p> <p>IA: quizzes, presentations, assignments, group</p>	<p>Psychologist or Psychiatrist / Behavioural Scientist</p>

practice.	<ol style="list-style-type: none"> 1. Health and Normality 2. Defence Mechanisms 3. Psychosocial Assessment in Health Care 4. Clinical Situations Demanding a Comprehensive Psychosocial Assessment 5. Psychological reactions to Illness and Hospitalization 	<ul style="list-style-type: none"> • Role-playing with peers 	<p>projects, case studies, reflective writing and student portfolios</p>	
2. Pain, Sleep, Consciousness and Sexuality				
Understand the complex interplay of Brain and Behaviour.	<p>Describe Neurobiological Basis of Behaviour</p> <ol style="list-style-type: none"> 1. Arousal 2. Sleep 3. Consciousness 	<ul style="list-style-type: none"> • Lectures/Presentations • Interactive Video Vignettes • Group Project 	<p>EA: MCQs, SAQs, SEQs and OSCE</p> <p>IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios</p>	Psychologist or Psychiatrist / Behavioural Scientist
Integrate knowledge and skills of coping and treatment of pain in various situations.	Discuss Psychosocial aspects of Pain	<ul style="list-style-type: none"> • Lectures/Presentations • Individual Assignments / Group Projects 	<p>EA: MCQs, SAQs, SEQs and OSCE</p> <p>IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios</p>	Psychologist or Psychiatrist / Behavioural Scientist
3. Common Psychiatric Disorders in General Health Settings				
Common Psychiatric Disorders in General Health Settings	<ol style="list-style-type: none"> 1. Mixed Anxiety and Depression 2. Panic Disorder 3. Unexplained Somatic Complaints: 	<ul style="list-style-type: none"> • Lectures/Presentations • Case studies 	<p>EA: MCQs, SAQs, SEQs and OSCE</p> <p>IA: quizzes, presentations, assignments, group</p>	Psychologist or Psychiatrist / Behavioural Scientist

	Persistent Complainers 4. Dissociative and Possession States 5. Drug Abuse, Alcohol & Tobacco use 6. Suicide and Deliberate Self Harm (DSH) 7. Delirium		projects, case studies, reflective writing and student portfolios	
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4. Interviewing/ Psychological History Taking

Interviewing and Psychosocial Assessment	<ul style="list-style-type: none"> • Techniques for interviewing in clinical setting • History taking <ol style="list-style-type: none"> 1. Developmental History 2. Educational history 3. Job stressors 4. Social history 5. Marital history 6. Drug addiction history 7. Legal history 8. Medical/surgical history 9. Assessment of health services & other psychosocial stressors 10. Assessment of patient perception of disease according to Health Belief Model 	<ul style="list-style-type: none"> • Lectures/Presentations • Demonstrations of these techniques by role playing in peer groups 	EA: MCQs, SAQs, SEQs and OSCE IA: quizzes, presentations, assignments, group projects, case studies, reflective writing and student portfolios	Psychologist or Psychiatrist / Behavioural Scientist
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Precis for BDS Students

This curriculum of Behavioral Sciences for BDS program comprises all required and desired topics essential for effective clinical practice of Dentist. Whereas, Student who intends to appear in Overseas Registration Examination (ORE), The Overseas Registration Exam (ORE) is an exam that overseas qualified dentists have to pass in order to register with the GDC. Registration allows dentists to practice dentistry unsupervised in the UK. Apart from this curriculum, ORE demands further knowledge of management and leadership. Students are recommended to go for further reading material from the latest version of ORE Part -1.

Third Professional BDS Examination 2024 – Theory

Marks of theory paper = 80 Marks
Time Allowed = 3 hours
Internal assessment = 20 Marks
Total marks (MCQs: 40+ SEQs: 40+ IA: 20) = 100
Pass Marks = 50

Paper-1 60 x MCQs (1 mark each)
(60 Marks, weighting: 40%: Time = 60 minutes)

Paper-2 (40 Marks, 40%: Time = 2 hours)
5x6 = 30
2x5 =10

Subjects	Topics	Number of MCQ's (60)		Number of SEQs 5x6 = 30 2x5 =10
		Recall (20)	Application (40)	
1. Introduction to Behavioral Sciences and Its Importance in Health				
Demonstrate understanding of holistic and bio medicine model in clinical practice along with understanding of culture and medical practice	Differentiate: 1. Holistic Vs. Traditional Allopathic Medicine 2. Culture & Medical Practice	1		
Comprehensive understanding of psychology, sociology and anthropology as well as biological determinants of health and disease in clinical practice, along with public health approach of primary and secondary prevention of disease/disorder and promotion of health.	Discuss Health Care Models and their Clinical Applications 1. Bio-Psycho-Social Model of health and disease 2. The Integrated Model of Health Care: Correlation of Body, Brain, Mind, Spirit and Behavioural Sciences 3. The Public Health Care Model	1	1	
2. Understanding Behaviour				
Analyze human	Understand human behaviour through		1	

behaviour and other factors affecting health and disease by Enhancing doctor's own learning and clinical skill.	Principles of Psychology 1. Sensation and sense organs 2. Perception 3. Attention and concentration 4. Memory 5. Thinking 6. Communication	1 1 1	1	
3. Individual Differences				
Understand and assess types of human personality and phases of personality development along with intelligence.	Understand individual human differences 1. Intelligence 2. Personality Development	1 1	1 1	1
Understand the complex interplay of Brain and Behaviour.	Describe Neurobiological and Psychological Basis of Behaviour 1. Emotions 2. Motivation/need/drive 3. learning	1	1 1	
4. Dental Ethics				
Integrate the principles of dental ethics in professional life	Dental Ethics and Professionalism		1	
Integrate significance of ethics in clinical practice	Describe and Demonstrate relevance of Ethics in the Life of a Dentist 1. Scope and Meaning of dental Ethics 2. Guiding Principles of dental Ethics 3. Common Ethical Issues in dental Practice 4. Common Ethical Dilemmas in a Health Professional's Life 5. Doctor-Patient Relationship	1 1 1	1 1 1	1
5. Doctor Patient Relationship				
Analyze critical situations/ challenges in clinical practice to solve clinical problems	Discuss Rights and Responsibilities of Patients and Doctors 1. Rights of the Patient	1	1	

	<ul style="list-style-type: none"> 2. Responsibilities of the Patients 3. Rights of the Doctor 4. Responsibilities of the Doctor 		<p style="text-align: center;">1</p> <p style="text-align: center;">1</p>	
Critique the ethical boundaries of conduct in doctor patient relationship	Understand Psychological Reactions in Doctor-Patient Relationship <ul style="list-style-type: none"> 1. Social bonding 2. Dependence 3. Transference 4. Counter-transference 5. Resistance 6. Unwell Physician / Burn-out 	1	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p>	
Demonstrate professional excellence of a doctor to maintain healthy doctor-patient relationship	Understand Professionalism in Health Care <ul style="list-style-type: none"> 1. Knowledge 2. Skills 3. Attitudes 	1	1	
6. Non Pharmacological Interventions: Communication Skills, Counselling, Crisis Intervention, Conflict Resolution, Informational Care and Breaking Bad News				
Demonstrate effective communication skills in clinical practice, assimilate and handle patient information in different clinical scenarios. Handling uncertain situations in clinical practice.	Demonstrate Non-Pharmacological Interventions (NPIs) in Clinical Practice <ul style="list-style-type: none"> 1. Communication Skills 2. Counselling 3. Informational Care (IC) 4. Handling Difficult Patients and their Families 5. Breaking Bad News 6. Crisis Intervention and Disaster Management 7. Conflict Resolution 8. Empathy 	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p>	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p>	1
Integrate skills to deal with psychological and social peculiarities while practicing dentistry in clinical settings.	Explain Psychosocial Peculiarities of Dentistry	1		
7. Life Events: Psychotrauma, Psychological Reactions, Stress and Stressors, Stress Management				

Identify sources of stress and its management towards patients, self and other staff members	Define and discuss Stress and its Management 1. Job-related Stress & Burnout 2. Response to stress 3. Stress Management	1	1	1
Equip medical students with knowledge and skills in order to respond to psycho traumatic cases in hospital settings.	Understanding Psychotrauma	1	1	
8. Psychological Aspects of Health and Disease				
Illustrate human thought, behaviour and interactions by health and disease situations influenced by psychological factors.	Discuss role of Psychology in Medical Practice 1. Role of psychological factors in the aetiology of health problems 2. Role of psychological factors in the precipitation (triggering) of illnesses 3. Role of psychological factors in the management of illnesses 4. Role of psychological and social factors in diseases causing disability, handicap and stigma 5. Role of psychological factors in patients reactions to illness 6. Medically Unexplained Physical Symptoms (MUPS)		1	1
Recognize the factors contributing towards a state of psychological and social well-being of human in clinical practice.	Discuss and Demonstrate Psychosocial Aspects of Health and Disease 1. Health and Normality 2. Defence Mechanisms 3. Psychosocial Assessment in Health Care 4. Clinical Situations Demanding a Comprehensive	1	5	1

	Psychosocial Assessment 5. Psychological reactions to Illness and Hospitalization		1	
9. Pain, Sleep, Consciousness and Sexuality				
Understand the complex interplay of Brain and Behaviour.	Describe Neurobiological Basis of Behaviour 1. Arousal 2. Sleep 3. Consciousness	1	1	1
10. Common Psychiatric Disorders in General Health Settings				
Common Psychiatric Disorders in General Health Settings	1. Mixed Anxiety and Depression 2. Panic Disorder 3. Unexplained Somatic Complaints: Persistent Complainers 4. Dissociative and Possession States 5. Drug Abuse, Alcohol & Tobacco use 6. Suicide and Deliberate Self Harm (DSH) 7. Delirium	1	1	1
Interviewing/ Psychological History Taking				
Interviewing and Psychosocial Assessment	<ul style="list-style-type: none"> • Techniques for interviewing in clinical setting • History taking <ol style="list-style-type: none"> 1. Developmental History 2. Educational history 3. Job stressors 4. Social history 5. Marital history 6. Drug addiction history 7. Legal history 8. Medical/surgical history 9. Assessment of health services & other psychosocial stressors 10. Assessment of patient 	1	2	

	perception of disease according to Health Belief Model			
Total		20	40	8
		60 (60 Marks, 40%)		8 (40 Marks, 40%)

Third Professional BDS Examination 2024 – OSCE

Marks Distribution

Area	Marks	Time
10 OSCE Stations	40	05 Minutes for each station
Internal Assessment	10	
Total	50	

OSCE PLAN										
Stations	3 x observed station			7 x un observed station						
	1	2	3	4	5	6	7	8	9	10
	Communication skills / leadership	Breaking good and bad news/ crisis intervention	Counselling	Medical/ Dental ethics	Professionalism in health care	Life events	Pain, sleep, consciousness and sexuality	Doctor Patient relationship	Biopsychosocial model	Culture and medical/ dental practice
Marks	7	6	6	3	3	3	3	3	3	3

INTERNAL ASSESSMENT - THEORY	
INTERNAL ASSESSMENT WEIGHTING: 20%	
Exams	Weightings
Attendance in Lectures: a. ≥90% = 10% b. 80-89% = 7% c. 75-79% = 5%	10%
End of Block/ clinical rotation (theory) Examination	45%
Continuous assessment (average score of all tests attempted after every learning session during the academic year)	20%
Pre-Annual Exam	25%
Total	100%
INTERNAL ASSESSMENT STRUCTURE - PRACTICAL	
INTERNAL ASSESSMENT WEIGHTING: 20%	
Exams	Weightings
Attendance in Practicals: a. ≥90% = 10% b. 80-89% = 7% c. 75-79% = 5%	10%
*End of Block/ clinical rotation (OSCE) Examination	45%
*Continuous assessment of practical/ clinical skills and attitude	20%
Pre-Annual Exam	25%
Total	100%