

## OFFICE OF THE REGISTRAR



**SUMANDEEP VIDYAPEETH**

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin: 391760  
Phone: +91 2668 245262/64/66, E-mail ID: registrar@sumandeepvidyapeethdu.edu.in Website: www.sumandeepvidyapeethdu.edu.in

Ref. No. : SVDU/R/0944/2019-20

25<sup>th</sup> November 2019

### **Sub.: Academic Resolution of Board of Management Meeting, held on 15<sup>th</sup> November 2019**

**Reference: Notification No.: SVDU/NOTFN/05/2019-20 dated: 25<sup>th</sup> November 2019**

The extract from the aforesaid Notification is as under:

It has been unanimously Resolved in the meeting of Board of Management held on 15.11.2019 that, the proposed Academic Resolutions of the meeting of Academic Council held on 23.09.2019, are confirmed, considered and accepted, and put forth for execution.

#### **1. For the Medical programs / courses:**

- In MBBS course: The introduction of competency based UG curriculum recommended by Medical Council of India (MCI), is accepted.
- In Postgraduate course: The suggestion to introduce online course in Research Methodology, as mandated by MCI, shall be completed before the end of second semester, is accepted.
- The proposal to start four weeks Fellowship program in Orthopedics, is accepted and the fellowship program shall be executed from Academic Year 2019-20. The program is open for National and International eligible candidates.

#### **2. For the Dental programs / courses:**

- In BDS course: The suggested changes in the curriculum of Prosthodontics and Crown & Bridge, and Conservative Dentistry & Endodontics, are accepted.
- In MDS course: The suggested changes in the curriculum of Oral and Maxillofacial Surgery, Paediatric and Preventive Dentistry, Periodontology, Conservative Dentistry and Endodontics and Public Health Dentistry, are accepted.
- The introduction of Flipped Classroom concept as Innovative Teaching Methodology for undergraduate students, is accepted.
- The suggestion to introduce Lectures in Behavioral Science for First BDS (20 Hours) and Ethics in Dentistry for Third BDS (20 Hours), is accepted.
- The proposed consolidated BDS syllabus (with amendments from the academic year 2015 to 2019), is accepted.
- The suggestion of Student Exchange, Field Visit and Field Project for Undergraduate and Postgraduate Students, is accepted.



**3. For the Physiotherapy programs / courses:**

- The format prescribed by Gujarat state Council for Physiotherapy (GSCPT) for 'Internship Completion Certificate' is approved and is suggested for implementation.

**4. For the Nursing programs / courses:**

- The integration of Middle Level Health Provider in B.Sc. and P.B.B.Sc. (N) Curriculum as mandated by Indian Nursing Council, is accepted.
- The revised scheme of examination for BSc. Nursing, is accepted.
- The inclusion of topics related to Environmental Science in the Curriculum of B.Sc. (N) and P.B.B.Sc. (N), is accepted.
- The Examination criteria for appearing in Internal and External Examination for all the Nursing programs, as mandated by the Indian Nursing Council circular No. F.No.22/10/Univ-2019/INC dated 18.04.2019, is accepted.
- The matter related to granting of Mercy chance / Relaxation of maximum time period for the student to complete the Nursing course, as mandated by the Indian Nursing Council through its notification no. F.No.1-5/2018-INC dated 15.03.2019, is accepted.

**5. For the Health Care Management programs / courses:**

- The Evaluation pattern for Full time and Part time MBA Health Care program, as resolved, is accepted.

**6. For the Paramedical Science programs / courses:**

- The new programs / courses introduced from 2019-20, as resolved, is accepted.
- The inclusion of Internship in all the Diploma Paramedical courses is accepted.
- The designation and eligibility criteria for the teaching faculties of Paramedical Sciences, as resolved, is accepted.

**Attested CTC**

*Charan*  
15/2/2021

**Vice-Chancellor**

**Sumandeep Vidyapeeth**

**An Institution Deemed to be University**

**Vill. Piparia, Taluka: Waghodia.**

**Dist. Vadodara-391 760. (Gujarat)**



*Chandramani B. More* 25/11/2019  
**Dr. Chandramani B. More**  
**Registrar**



## OFFICE OF THE REGISTRAR



**SUMANDEEP VIDYAPEETH**

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin: 391760  
Phone: +91 2666 245262/54/66, E-mail ID: registrar@sumandeepvidyapeethdu.edu.in Website: www.sumandeepvidyapeethdu.edu.in

Ref. No. : SVDU/R/1814/2019-20

02<sup>nd</sup> March 2020

### **Sub.: Academic Resolution of Board of Management Meeting, held on 26<sup>th</sup> February 2020**

**Reference: Notification No.: SVDU/NOTFN/061/2019-20 dated: 02<sup>nd</sup> March 2020**

The extract from the aforesaid Notification is as under:

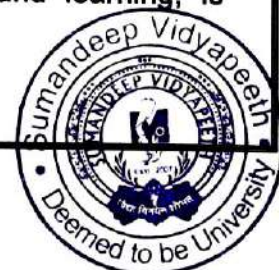
It has been unanimously Resolved in the meeting of Board of Management held on 26.02.2020 that, the proposed Academic Resolutions of the meeting of Board of Studies of Constituent Institutes and Academic Council held on 30.12.2019, are confirmed, considered and accepted, and put forth for execution.

#### **1. For the Medical programs / courses:**

- The Internal Examination and Institutions Final examination / assessment pattern as prescribed by Medical Council of India for Competency based Medical Education curriculum, to be introduced from the Batch admitted in 2019, is accepted.
- The revised regulations for M.Sc. Medical courses, to be introduced from Academic Year 2020-21 onwards, is accepted.
- The schedule of MBBS Annual Examination of the Institution, to be introduced from Academic Year 2019-20 onwards, is accepted, which shall be as under:
  - a. I M.B.B.S.: December – January
  - b. II M.B.B.S.: January – February
  - c. III Part I: January – February
  - d. III Part II: December – January

#### **2. For the Dental programs / courses:**

- The curricular changes in the BDS and MDS syllabus of Periodontology related to internal examinations and clinical work, respectively, is accepted.
- The curricular changes in the MDS syllabus of Prosthodontics and Crown & Bridge related to addition of new topics in Theory, for Paper I and Paper II, is accepted.
- The curricular changes in the Dental Mechanics syllabus related to addition of new topics in Theory, for first year and second year, is accepted.
- The curricular changes in the BDS syllabus of Oral Medicine and Radiology, under the practical / clinical scheme for Third BDS and Final BDS, related to routine group discussion, demonstration and peer teaching, to be conducted during the clinical hours, is accepted.
- To introduce use of Google class room for all the teaching modules of Evidence Based Dentistry and to share the e-content to the students for teaching and learning, is accepted.



**3. For the Pharmacy program / courses:**

- The curricular changes in the Pharm D about introducing mandatory Clerkship and Internship and its Standard Operating Procedure (SOP) with detail specifications, is accepted.

**4. For the Nursing programs / courses:**

- The Curricular changes in B.Sc. (N), PBBSC (N), NPCC and M.Sc. (N) is made by adding Evidence Based Nursing Education (EBNE) crash course with 16 hours duration, is accepted. This course is in addition to Middle Level Health Provider (MLHP) course.
- The Examination panel for UG and PG courses is updated for all the subjects.

**5. For the Health Care Management programs / courses:**

The Amendment in the existing Guidelines of Summer Internship Projects such as Evaluation, New Topics in Chapter Three and format for preparing Report, in the Full time MBA Health Care program is accepted and introduced, from the Academic Year 2019-20.

**6. For the Rehabilitation Sciences programs / courses:**

The proposed Examination scheme for Bachelor in Audiology and Speech Language Pathology (BASLP) program is accepted and introduced, from the Academic Year 2019-20.



*Chandramani B. More* 02/03/20  
Dr. Chandramani B. More  
Registrar

**Attested CTC**

*Chandramani B. More* 15/2/2021

**Vice-Chancellor**  
**Sumandeep Vidyapeeth**  
An Institution Deemed to be University  
VIII. Piparia, Taluka: Waghodia.  
Dist. Vadodara-391 760. (Gujarat)



## OFFICE OF THE REGISTRAR



# SUMANDEEP VIDYAPEETH

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA, Pin: 391760  
Phone: +91 2666 245262/64/66, E-mail ID: registrar@sumandeepvidyapeethdu.edu.in Website: www.sumandeepvidyapeethdu.edu.in

Ref. No. : SVDU/R/3110/2019-20

29<sup>th</sup> June 2020

### **Sub.: Academic Resolution of Board of Management Meeting, held on 27<sup>th</sup> June 2020**

**Reference: Notification No.: SVDU/NOTFN/0177/2019-20 dated: 29<sup>th</sup> June 2020**

The extract from the aforesaid Notification is as under:

It has been unanimously Resolved in the meeting of Board of Management held on 27.06.2020 that, the proposed Academic Resolutions of the meeting of Board of Studies of Constituent Institutes and Academic Council held on 20.03.2020, are confirmed, considered and accepted, and put forth for execution.

#### **1. For the Medical programs / courses:**

- A. The amended MCI Regulation "Minimum Qualification for Teachers in Medical Institutions (amendment) Regulation 2019", is accepted and to be implemented.
- B. The following **Interdisciplinary programs** in the form of Fellowship are accepted and introduced from Academic year 2019-20:
  - a. **Fellowship in Rehabilitation in Total Hip Replacement**, between Department of Orthopedics, SBKSMI&RC and College of Physiotherapy.
  - b. **Fellowship in Rehabilitation in Total Knee Replacement**, between Department of Orthopedics, SBKSMI&RC and College of Physiotherapy.
- C. Paramedical Sciences:
  - a. The Change in weightage of Theory and Practical Examinations for all the Diploma Paramedical courses are accepted and shall be implemented:
    - For Anatomy, Pathology, Physiology, Biochemistry
      - Theory Paper – 40 marks
      - Internal Assessment – 10 marks
      - Total – 50 marks
    - For Pathology and Microbiology (combined)
      - Theory Paper – 40 marks (20 marks each)
      - Internal Assessment – 10 marks
      - Total – 50 marks
  - b. The Basic and Fundamental aspect of Pathology and Physiology shall be included in Diploma in X-ray Technician course.

#### **2. For the Dental programs / courses:**

- A. The Curricular changes in the MDS Syllabus of Periodontology related to modification and addition of topics in the Theory section, for Paper - I (Part I & Part II) and Paper – II (Part II), are accepted.
- B. The following **Interdisciplinary programs** in the form of Fellowship are accepted and introduced from Academic year 2019-20:





- a. Fellowship in Child Psychology and its application in Clinical Dentistry between Department of Pediatric and Preventive Dentistry, KMSDCH, and Department of Psychiatry, SBKSMI&RC.
  - b. Fellowship in Dental Sleep Medicine between Department of Prosthodontics and Crown & Bridge, and Department of Respiratory Medicine, SBKSMI&RC.
  - c. Fellowship in Oro-Facial Pain between Department of Oral Medicine & Radiology, KMSDCH, and Department of Neurology, SBKSMI&RC.
  - d. Fellowship in Oral Cancer Prevention between Department of Oral Medicine & Radiology, KMSDCH, and Department of Community Medicine, SBKSMI&RC.
3. For the Pharmacy program / courses:
- A. The Two years Interdisciplinary Degree program in MBA Pharmaceutical Management between Department of Pharmacy, and Department of Management; is accepted and introduced from Academic year 2019-20.
  - B. The Certificate Course in Bioethics, framed by UNESCO Chair in Bioethics, is accepted introduced from Academic year 2019-20.
4. For the Health Care Management programs / courses:
- A. The following Curricular changes were accepted in the Value Added Certificate Courses:
    - a. The intake capacity is reduced from 30 seats to 15 seats.
    - b. The final evaluation shall be based on presentation of assignment, instead of Institution conducting viva voce.
  - B. The following Interdisciplinary programs in the form of Fellowship are accepted and introduced from Academic year 2019-20:
    - a. Fellowship in Human Resource Management between Department of Management, and Smt. B.K.Shah Medical Institute & Research Centre.
    - b. Fellowship in Patient Safety Management between Department of Management, and Smt. B.K.Shah Medical Institute & Research Centre.
    - c. Fellowship in Research Methodology and Biostatistics between Department of Management, and Smt. B.K.Shah Medical Institute & Research Centre.
5. For College of Rehabilitation Sciences:
- A. The Resolution of introducing New program - Diploma in Hearing Aid Repair and Ear Mould Technology (DHREMT), with due permission from Rehabilitation Council of India, is accepted.
  - B. The recommended panel of Examiners for Theory and Practical Examination for BASLP program, is approved.
  - C. The value addition suggested in the BASLP program about field visits, research projects, industry internship, visits to community, community postings, visit / postings at specialized department / hospitals related to the subject etc., for the students, semester wise, during their course of study, as a part of curriculum enrichment, is accepted.
6. The Interdisciplinary Fellowship, Diploma, Degree programs shall be conducted atleast between two Departments / Institutes. More than the sixty percent of the program content related to one of the Department / Institute, shall take the lead in executing the program.

Attested CTC

*Charaney*  
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

Vill. Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)



Page 2 of 2

*Dr. Chandramani B. More*  
Dr. Chandramani B. More  
Registrar





Ref. No. : SVDU/R/3383-A/2019-20

31<sup>st</sup> July 2020

**Sub.: Academic Resolution of Board of Management Meeting, held on 30<sup>th</sup> July 2020**

**Reference: Notification No.: SVDU/NOTFN/0209/2019-20 dated: 30<sup>th</sup> July 2020**

The extract from the aforesaid Notification, for Smt. B.K.Shah Medical Institute and Research Centre, is as under:

**It has been unanimously Resolved in the meeting of Board of Management held on 30.07.2020 that, the proposed Academic Resolutions of the meeting of Board of Studies of Smt. B.K.Shah Medical Institute and Research Centre, and Academic Council held on 15.07.2020, are confirmed, considered and accepted, and put forth for execution.**

1. The Internal Examination and Evaluation including Preliminary examination for Second MBBS, Third MBBS Part – I & Part – II, which were scheduled in the month of June & July 2020 through online mode, are approved.
2. With reference to the Minimum Standard Requirement of Medical Council of India, the Molecular laboratory in SBKSMIRC is established and is made functional.
3. The Value addition in the curriculum of Super specialty (D.M., M.Ch.) programs such as Cardiology, Neurology, Cardio-thoracic and Vascular Surgery (CTVS), Neurosurgery and Plastic Surgery, is accepted and approved. In the existing curriculum following value additions are newly added:

I. Cardiology –

In Section II -

1. In Practical Skills:

A. Invasive Cardiology

- i. To assist in interventions for Cardiac Resynchronization Therapy (CRT), Cardiac Resynchronization Therapy – Pacemaker (CRT-P) and Cardiac Resynchronization Therapy – Defibrillator (CRT-D) device implantations for patients with advanced heart failure.
- ii. To assist in implantation of Left Ventricular support devices in heart failure patients like Intra Aortic Balloon Pump (IABP) , Extra Corporeal Membrane Oxygenation (ECMO), Left Ventricular Assist Device (LVAD), etc.
- iii. To assist in usage of devices used in Complex Percutaneous Coronary Interventions (PCI) like Intracoronary imaging with Intravascular Ultrasound (IVUS) and Optical Coherence Tomography (OCT) and Usage of plaque modification devices like Rotablation, Intra Vascular Lithotripsy (IVL) balloon

B. Non-invasive Cardiology

- i. Echocardiography – TEE assisted usage in pediatric invasive cardiology procedures and interventions for structural heart diseases, Usage of stress and strain imaging to detect ischemic heart disease, and echo directed hemodynamic studies.
- ii. Cardiac and peripheral CT imaging and interpretation to detect anomalous coronary artery diseases as well as diseases of Aorta, Pulmonary Arteries, Major Aorto - Pulmonary Collateral Arteries (MAPCAS) and, Peripheral Arterial diseases.
- iii. Exposure to lipidology and genetic clinics to detect and manage premature atherosclerotic disease in young patients and those with inherited cardiac diseases.



*Handwritten signature*  
31/7/20



## II. Neurology –

### 1. In Theory

#### In Section II –

##### A. Sub section 2.2.3: Seizures, Epilepsy and Syncope:

- i. New seizure and epilepsy classification
- ii. Concept of drug resistant epilepsy
- iii. Medical and surgical management of drug resistant epilepsy
- iv. Concept of pre-surgical evaluation in epilepsy
- v. Indication and evaluation of Video-EEG monitoring
- vi. Concept, utility, and limitations of interictal and ictal EEG
- vii. Utility and limitations of various non-invasive pre-surgical source localization methods: PET, SPECT, MEG, EEG-fMRI
- viii. Concepts of functional localization including methods of Wada test, functional MRI, and cortical stimulation and mapping
- ix. Utility, limitations, and outcome of stereo-EEG
- x. Basic concepts of various epilepsy surgery procedures
- xi. Outcomes of epilepsy surgery
- xii. Recent advances in genetics of epilepsy

##### B. Sub section 2.2.4: Headaches and Other Cranial Neuralgias:

- i. Classification of headache disorders
- ii. Autonomic cephalgias including cluster headache, paroxysmal hemicranias, hemicrania continua, SUNCT, SUNA
- iii. Rare headache disorders such as hypnic headache
- iv. Newer therapies in migraine
- v. Intervention procedures for various headaches such as botulinum toxin and occipital nerve blockade

##### C. Sub section 2.2.5: Cerebrovascular Diseases:

- i. Indications and contraindications for thrombolytic therapy including intra-arterial therapy
- ii. Concept of diffusion and perfusion mismatch and diffusion FLAIR mismatch
- iii. Current concepts in Interventional therapy of acute stroke including mechanical thrombectomy and decompressive craniotomy
- iv. Carotid endarterectomy and carotid stenting for symptomatic and asymptomatic carotid stenosis.

##### D. Sub section 2.2.7: Parkinsonism and movement Disorders:

- i. Recent advances in the genetics of Parkinson's disease
- ii. Recent advances in deep brain stimulation and transplant therapy for Parkinson's disease.

##### E. Sub section 2.2.11: Neuro-immunologic Diseases:

- i. Use of immune-modulatory agents in the management of various immunological disorders including Mycophenolate, Rituximab and Natalizumab
- ii. Advances in the therapy of multiple sclerosis including Teriflunomide, Dimethyl Fumarate, Fingolimod, Alemtuzumab, Rituximab and Ocrelizumab
- iii. Concepts of newer biomarkers for multiple sclerosis
- iv. Newer advances in autoimmune encephalitis including pathogenesis, various autoantibodies, and management.

Newer autoimmune neurological disorders including neuromyelitis optica spectrum disorders and MOG associated disorders.



*Handwritten signature*  
31/10/21



### III. Cardio-thoracic and Vascular Surgery –

#### 1. In Theory

##### In Section I –

##### A. Sub section 1.1.3: Ischaemic Heart Disease

- i. Linear staplers in lung surgeries for lobectomy and segmentectomy.
- ii. Radial artery grafts as second choice after LIMA graft.
- iii. Valve sparing surgeries for valvular diseases.

### IV. Neurosurgery –

#### 1. In Theory

##### In Section III –

##### A. Sub section 3.1: Epilepsy surgery:

- i. Concept of presurgical evaluation in epilepsy
- ii. Various substrates associated with drug resistant epilepsy
- iii. Basic concepts of various epilepsy surgery procedures including temporal lobectomy, lesionectomy, corpus callosotomy, and Hemispherotomy
- iv. Cortical stimulation and functional mapping during epilepsy surgery,
- v. Intraoperative electrocorticography during epilepsy surgery,
- vi. Minimal invasive surgical procedures such as endoscopic corpus callosotomy, and Hemispherectomy,
- vii. Concepts of stereo-EEG, Indications and outcomes of Radio-frequency ablations and laser ablation,
- viii. Outcomes of epilepsy surgery

##### B. Cerebrovascular diseases and neuro-interventions :

- i. Cerebrovascular and neuro-interventions Concepts of cerebral angiography
- ii. Concept of diffusion and perfusion mismatch and diffusion FLAIR mismatch

##### C. Parkinsonism and movement disorders:

- i. Recent advances in deep brain stimulation
- ii. Transplant therapy for Parkinson's disease.

### V. Plastic Surgery –

#### 1. In Theory

##### In Section I –

##### A. Sub section 1.8: Upper Extremity

- i. Contra lateral C7 nerve root transfer for Brachial Plexus injury
- ii. Spastic upper arm paralysis

#### 2. In Practical

##### In Section II -

##### A. Technique for Contra lateral C7 nerve root transfer in Brachial Plexus injury

4. With reference to the Minimum Standard Requirement of Medical Council of India, the Molecular laboratory in SBKSMIRC is established and is made functional.
5. The revised Curriculum of **M.Sc. Human Genetics** is accepted and approved. The following details are newly incorporated / added in the existing curriculum:

#### I. In Semester II –

##### 1. In existing Subject - Clinical Microbiology & Immunology (MHG202):

##### In Theory

##### A. New Chapter (Chapter No. 6): Corona Virus

- i. Introduction
- ii. History, Taxonomy and Evolution
- iii. Emergence, Spread, Outbreak, Pandemic and Prevalence
- iv. Types and Variants
- v. Diagnostics, Vaccines and Therapeutics
- vi. Precautions and Challenges in combating
- vii. Post infection effects



*Handwritten signature*  
31/07/20



6. The revised Curriculum of **M.Sc. Clinical Embryology** is accepted and approved. The following details are newly incorporated / added in the existing curriculum:

I. In Semester II –

1. In existing Subject - Molecular Biology and Immunology (MCE201):

In Theory

A. New Topic (Topic No. F): Corona Virus

- i. Introduction
- ii. History, Taxonomy and Evolution
- iii. Emergence, Spread, Outbreak, Pandemic and Prevalence
- iv. Types and Variants
- v. Diagnostics, Vaccines and Therapeutics
- vi. Precautions and Challenges in combating
- vii. Post infection effects

7. The Choice Based Credit System is implemented in Postgraduate Diploma in Clinical Nutrition & Dietetics.

8. It is mandatory for all the Teaching Faculty employed with Sumandeep Vidyapeeth Deemed to be University, to fulfill each of the following requirement, in addition to the requirement prescribed by the Statutory Council; as a part of Academic performance. The following requirement will be considered as a prerequisite for Promotion, Incentives, Annual increment etc. Accordingly the numbers will be cumulatively calculated, Academic year wise, for providing the benefits to the Teaching Faculty. The requirement shall be effective from August 2020 onwards.

I. Research and Research Publications:

1. To publish atleast Two Scientific Papers in PubMed / Scopus / Web of Science / UGC CARE listed, National / International Journals, in each Academic year.
  - Amongst the Two Scientific papers, preferably One shall be published in journal having impact factor of Thomson Reuters / Clarivate Analytics.
  - Both the publications in the Scientific journal shall be as a First author.
  - Out of the Two, atleast One publication shall be in PubMed / Scopus / Web of Science indexed journal.
2. To undertake atleast One Externally funded research study, Consultancy projects e.g. Pre-Clinical & Clinical Trials; Inter-Institutional collaborative research study with Indian / Overseas Institutions as an investigator, in each Academic year.

II. Academic Activity:

1. Make Oral Presentation in Conference, Symposium, Workshop etc., atleast One in each Academic year.
2. Shall attend atleast One program related to Teaching Methodology / Technology, in each Academic year.
3. Shall attend atleast Speciality related One Professional Development program, in each Academic year.

III. It is advisable to:

1. Write Chapter / Book, atleast once in Three academic years, and shall be of any authorship level.
2. Participate in National / International Award Competitions organized by recognized body.
3. To undertake atleast One Self / Institution funded research study as a Principal Investigator, in each Academic year.
4. To Register Patent / Patent Design / Copy Right / Trademark, atleast One in Three years, as a primary / first inventor.

**Attested CTC**

*Charan*  
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

Vill. Piparia, Taluka: Waghodia.

Dist. Vadodra-391 760. (Gujarat)



*Chandramani B. More*  
Dr. Chandramani B. More  
Registrar



## OFFICE OF THE REGISTRAR

**SUMANDEEP VIDYAPEETH**

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin: 391760  
Phone: +91 2668 245262/64/66, E-mail ID: registrar@sumandeepvidyapeethdu.edu.in Website: www.sumandeepvidyapeethdu.edu.in

Ref. No. : SVDU/R/3383-B/2019-20

31<sup>st</sup> July 2020

**Sub.: Extract Resolution of Board of Management Meeting, held on 30<sup>th</sup> July 2020**

**Reference: Notification No.: SVDU/NOTFN/0209/2019-20 dated: 30<sup>th</sup> July 2020**

The extract from the aforesaid Notification, for K.M.Shah Dental College and Hospital, is as under:

It has been unanimously Resolved in the meeting of Board of Management held on 30.07.2020 that, the proposed Resolutions of the meeting of Board of Studies of K.M.Shah Dental College and Hospital, and Academic Council held on 15.07.2020, are considered, confirmed and accepted, and put forth for execution.

1. The Internal Assessment Examination for Undergraduate students, which was scheduled in the month of June & July 2020, through online mode, is approved.
2. The Final Examination for MDS students of Part – I & Part – III was conducted according to the guidelines of Dental Council of India vide letter no. DE-14-Academic (MDS) – 2020/344 and DE-14-Academic (MDS) – 2020/435 is approved.
3. The commencement of Academic session for new students enrolled in MDS Part – I (2020-21) was 01<sup>st</sup> July 2020, according to the Dental Council of India, is approved.

**Attested CTC**

*Chandramani B. More*  
15/2/2021

**Vice-Chancellor**

**Sumandeep Vidyapeeth**

**An Institution Deemed to be University**

**Vill. Piparia, Taluka: Waghodia.**

**Dist. Vadodara-391 760. (Gujarat)**



*Chandramani B. More*  
31/07/20  
**Dr. Chandramani B. More**  
**Registrar**

## OFFICE OF THE REGISTRAR

**SUMANDEEP VIDYAPEETH**

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA, Pin: 391760  
Phone: +91 2668 245262/64/66, E-mail ID: registrar@sumandeepvidyapeethdu.edu.in Website: www.sumandeepvidyapeethdu.edu.in

Ref. No. : SVDU/R/3383-D/2019-20

31<sup>st</sup> July 2020

**Sub.: Extract Resolution of Board of Management Meeting, held on 30<sup>th</sup> July 2020**

**Reference: Notification No.: SVDU/NOTFN/0209/2019-20 dated: 30<sup>th</sup> July 2020**

The extract from the aforesaid Notification, for College of Physiotherapy, is as under:

It has been unanimously Resolved in the meeting of Board of Management held on 30.07.2020 that, the proposed Resolutions of the meeting of Board of Studies, of College of Physiotherapy, and Academic Council held on 15.07.2020, are considered, confirmed and accepted, and put forth for execution.

- The Interdisciplinary program in the form of Fellowship such as **Fellowship in Postoperative Physiotherapy Management of Orthopedic Surgeries** is accepted and is introduced by the College of Physiotherapy along with Department of Orthopedics, SBKSMI&RC; from the A.Y. 2020-21.
- The Value added course – Certificate in Acupuncture in Physiotherapy, is accepted and is introduced from A.Y. 2020-21.
- The new subject named '**Environmental Sciences**' is accepted and is introduced in the First Year B.P.T. program, from the A.Y. 2020-21.



*Chandramani B. More*  
Dr. Chandramani B. More  
Registrar

**Attested CTC**

*Chandramani B. More*  
15/2/2021

**Vice-Chancellor**  
Sumandeep Vidyapeeth  
An Institution Deemed to be University  
Vill. Piparia, Taluka: Waghodia.  
Dist. Vadodara-391 760. (Gujarat)



## OFFICE OF THE REGISTRAR

**SUMANDEEP VIDYAPEETH**

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin: 391760  
Phone: +91 2668 245262/64/66, E-mail ID: registrar@sumandeepvidyapeethdu.edu.in Website: www.sumandeepvidyapeethdu.edu.in

Ref. No. : SVDU/R/3383-F/2019-20

31<sup>st</sup> July 2020

**Sub.: Extract Resolution of Board of Management Meeting, held on 30<sup>th</sup> July 2020**

**Reference: Notification No.: SVDU/NOTFN/0209/2019-20 dated: 30<sup>th</sup> July 2020**

The extract from the aforesaid Notification, for Department of Management, is as under:

It has been unanimously Resolved in the meeting of Board of Management held on 30.07.2020 that, the proposed Resolutions of the meeting of Board of Studies, of Department of Management, and Academic Council held on 15.07.2020, are considered, confirmed and accepted, and put forth for execution.

1. The Practical's for the MBA students shall be focusing on Industrial visit, Healthcare project, Summer Internship, Hospital Interaction, Competency Building program, Community Visit, Community postings, Community Research Projects etc., is approved.



*Chandramahi B. More*  
Dr. Chandramahi B. More  
Registrar

**Attested CTC**

*Chandramahi B. More*  
15/2/2021

**Vice-Chancellor**  
**Sumandeep Vidyapeeth**  
An Institution Deemed to be University  
Vill. Piparia, Taluka: Waghodia.  
Dist. Vadodara-391 760. (Gujarat)

## OFFICE OF THE REGISTRAR

**SUMANDEEP VIDYAPEETH**

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin: 391760  
Phone: +91 2668 245262/64/66, E-mail ID: registrar@sumandeepvidyapeethdu.edu.in Website: www.sumandeepvidyapeethdu.edu.in

Ref. No. : SVDU/R/3383-C/2019-20

31<sup>st</sup> July 2020

**Sub.: Extract Resolution of Board of Management Meeting, held on 30<sup>th</sup> July 2020**

**Reference: Notification No.: SVDU/NOTFN/0209/2019-20 dated: 30<sup>th</sup> July 2020**

The extract from the aforesaid Notification, for Department of Pharmacy, is as under:

**It has been unanimously Resolved in the meeting of Board of Management held on 30.07.2020 that, the proposed Resolutions of the meeting of Board of Studies, of Department of Pharmacy, and Academic Council held on 15.07.2020, are considered, confirmed and accepted, and put forth for execution.**

1. One year Interdisciplinary program on **Postgraduate Diploma in Pharmaceutical Marketing and Management**, is introduced from the A.Y. 2020-21, jointly by Department of Pharmacy and Department of Management.
2. Addition of New sub topic in the subject of Pathophysiology (BP204T) of B.Pharm. Semester II, is introduced as under:
  - Infectious diseases – Pneumonia and Severe Acute Respiratory Syndrome – related coronavirus (SARS-CoV).
3. Addition of New topics and sub topics in the subject of Modern Pharmaceutical Analytical Techniques (MPH101T) of M.Pharm. (Pharmaceutics), is accepted and is introduced as under:
  - New Topics in Chapter 6  
Analytical Techniques -
    - Potentiometry
    - Thermal Techniques
  - New Sub topics in Chapter 4 – 'Chromatography'
    - High Performance Thin Layer chromatography
    - Ultra high performance liquid chromatography
    - Gel electrophoresis
4. Addition of New topics and sub topics in the subject of Modern Pharmaceutical Analytical Techniques (MQA 101T) of M.Pharm. (Pharmaceutical Quality Assurance), and in the subject of Modern Pharmaceutical Analytical Techniques (MPL 101T) of M.Pharm. (Pharmacology) are accepted and is introduced as under:
  - New topics in Chapter 7 – 'Immunological Assays'
    - RIA (Radio – immuno assay)
    - ELISA
    - Bioluminescence assay.
  - New sub topic in Chapter 4 – 'Chromatography'
    - Paper Chromatography
5. Addition of Evidence Based Pharmacy Education (EBPE) in 'Diploma in Pharmacy' program / syllabus is accepted and, is introduced as under:
  - EBPE Module 1 in D.Pharm. Part – I (DP107)
  - EBPE Module 2 in D.Pharm. Part – II (DP207)



*Chandramani B. More*  
Dr. Chandramani B. More  
Registrar



## OFFICE OF THE REGISTRAR



# SUMANDEEP VIDYAPEETH

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin: 391760  
Phone: +91 2668 245262/64/66, E-mail ID: registrar@sumandeepvidyapeethdu.edu.in Website: www.sumandeepvidyapeethdu.edu.in

Ref. No. : SVDU/R/3383-E/2019-20

31<sup>st</sup> July 2020

### Sub.: Extract Resolution of Board of Management Meeting, held on 30<sup>th</sup> July 2020

Reference: Notification No.: SVDU/NOTFN/0209/2019-20 dated: 30<sup>th</sup> July 2020

The extract from the aforesaid Notification, for Sumandeep Nursing College, is as under:

It has been unanimously Resolved in the meeting of Board of Management held on 30.07.2020 that, the proposed Resolutions of the meeting of Board of Studies, of Sumandeep Nursing College, and Academic Council held on 15.07.2020, are considered, confirmed and accepted, and put forth for execution.

1. A new chapter on **Evidence Based Nursing** in the subject of **Advanced Nursing Practice** for First Year M.Sc. Nursing, is introduced.
2. The following topics in Theory and Laboratory demonstration are introduced in the syllabus of Second year ANM, in the subject of Midwifery:
  - Basic resuscitation of normal new born
  - Assist suturing of episiotomy / tears
  - Management of sick neonatal children
3. A Skill Birth Attendant module for Second year ANM syllabus is introduced from the A.Y. 2020-21. The student shall be demonstrating all the procedure during the internship period.
4. The curriculum revision in Third year GNM is carried out by introducing a chapter on **Disaster Nursing** in the subject of **Community Health Nursing**.
5. A Value added Certificate course is introduced on **Hospital Infection Control**, by Sumandeep Nursing College jointly with Dhiraj Hospital.
6. A One year interdisciplinary program on **Postgraduate Diploma in Diabetic Educator** is introduced by Sumandeep Nursing College jointly with Department of Medicine, SBKSMIRC.
7. With reference to the circular from Indian Nursing Council vide no. F.No.1-6/2020-INC dated 14.05.2020, the Academics and Examinations shall be conducted as per the guidelines laid down in the circular.

Attested CTC

*Chandramani B. More*

Vice-Chancellor

Sumandeep Vidyapeeth  
An Institution Deemed to be University  
VIII. Piparia, Taluka: Waghodia.  
Dist. Vadodara-391 760. (Gujarat)

15/2/2021



*Chandramani B. More*  
Dr. Chandramani B. More  
Registrar





# SUMANDEEP VIDYAPEETH

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At and Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin Code: 391760. Phone: +91 2668 245262 / 64 / 66, Extension No.: 2801 / 2802,  
Mobile No.: +91 9099055626, Fax No.: +91 2668 245069. E-mail Id: registrar@sumandeepvidyapeethdu.edu.in | Website: www.sumandeepvidyapeethdu.edu.in

Ref. No.: SVDU/R/006/2020-21

August 1, 2020

## Extract from the Resolution of Board of Management meeting held on 30<sup>th</sup> July 2020

Reference: SVDU/NOTFN/0209/2019-20, dated 30<sup>th</sup> July 2020

### **Subject: Amendment in Course Work Curriculum for Doctoral (Ph.D.) program**

The extract from the aforesaid Notification is as under:

It has been unanimously resolved in the meeting of Board of Management held on 30.07.2020 that, the Resolutions of Doctoral and Post Doctoral Regulatory Board meeting held on 09.07.2020, regarding Amendment in Course Work Curriculum for Doctoral (Ph.D.) program, are confirmed and accepted, and put forth for execution. The amendment / revision in the Course Work curriculum, is effective from Academic year 2020-21. The details of the amendment / revision in the Course Work curriculum for Doctoral program are as under:

#### **I. Research Methodology**

- 45 hours

(Paper - I)

##### **1. Section I: Research**

- 30 hrs.

- A. Introduction
- B. Research process - Characteristics and requirements
- C. Types of research
- D. The Research Phases
- E. Reviewing the literature
  - i. Reviewing of the literature
  - ii. Search and Search engine
  - iii. Developing a theoretical and conceptual framework
- F. Formulating a research problem
  - i. Source, consideration and step in formulating a research problem
  - ii. Formulation of research objectives in qualitative research
- G. Identifying variables
  - i. Types of variable
  - ii. Types of Measurement Scale
- H. Constructing Hypotheses
  - i. Definition, function, testing and characteristics of hypothesis
  - ii. Types of hypothesis
- I. Conceptualizing a research design
  - i. Research design- Function and theory of research design
- J. Constructing an Instrument for Data Collection
  - i. Selection a method of data collection
  - ii. Collection data using attitudinal scales
  - iii. Validity and reliability of a research instrument
- K. Selecting a Sample
  - i. Concept, sampling terminology, principles of sampling
  - ii. Factor affecting the interferences
  - iii. Types of sampling- Non Random, non-probability sampling design in quantitative research

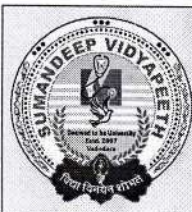
Writing a Research Proposal / Research Grant

- i. Objectives, Hypotheses, Study design, Setting, Measurement procedures, Ethical issues

*Handwritten signature*  
01/08/20







# SUMANDEEP VIDYAPEETH

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At and Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin Code: 391760. Phone: +91 2668 245262 / 64 / 66, Extension No.: 2801 / 2802,  
Mobile No.: +91 9099055626, Fax No.: +91 2668 245069. E-mail Id: registrar@sumandeepvidyapeethdu.edu.in | Website: www.sumandeepvidyapeethdu.edu.in

- ii. Sampling, Analysis of data, Structure of the report and Problems and limitations
- M. Writing a Research Report
  - i. Developing an outline, writing about a variables
  - ii. Writing a bibliography and summary
- N. Research Methodology and Practice Evaluation
  - i. Types of evaluation from a focus perspective and philosophical perspective
  - ii. Undertaking an evaluation
  - iii. Ethical aspects in evaluation
- 2. Section II: Intellectual Property Rights** - 10 hrs.
  - A. Introduction:
    - i. Knowledge creation
    - ii. Innovation and Intellectual Property Rights
    - iii. Concept of Intellectual Property
    - iv. Historical view of Intellectual Property system in India and International Scenario
    - v. Evolution of Intellectual Property Laws in India
    - vi. Legal basis of Intellectual Property Protection
    - vii. Need for Protecting Intellectual Property
    - viii. Theories on concept of property - Public Vs. Private
    - ix. Tangible Vs. Intangible, Industrial Vs. Intellectual
    - x. Major IP Laws in India
    - xi. Types of IPR: Patents, Copyright, Trademark, Industrial Designs, Trade Secrets, Geographical Indications
  - B. Patents:
    - i. Concept of Patent
    - ii. Criteria of Patentability
    - iii. Inventions, not patentable
    - iv. Process of Obtaining a Patent
    - v. Duration of Patents, Rights of Patentee
    - vi. Limitation of rights
    - vii. Infringement and Enforcement
  - C. Copyrights:
    - i. Meaning of Copyright
    - ii. Copyright Vs. Moral rights
    - iii. Copyright eligibility
    - iv. Term of Copyright
    - v. Registration of Copyright
    - vi. Infringement and Remedies
  - D. Trademark:
    - i. Meaning of Trademark
    - ii. Criteria for trademark
    - iii. Protection of Well-known marks
    - iv. Concept of distinctiveness
    - v. Procedure for Trademark Registration
    - vi. Term of protection
    - vii. Infringement and Remedies
  - E. Industrial Designs:
    - i. Meaning of Industrial Designs
    - ii. Subject matter of Design
    - iii. Exclusion of Designs
    - iv. Novelty and Originality

*Handwritten signature*  
01/08/20





# SUMANDEEP VIDYAPEETH

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At and Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin Code: 391760. Phone: +91 2668 245262 / 64 / 66, Extension No.: 2801 / 2802,  
Mobile No.: +91 9099055626, Fax No.: +91 2668 245069. E-mail Id: registrar@sumandeepvidyapeethdu.edu.in | Website: www.sumandeepvidyapeethdu.edu.in

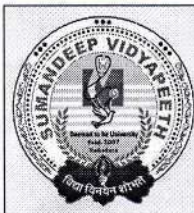
- v. Rights in Industrial Designs: Nature, Acquisition and duration of rights, Infringement and Enforcement Mechanisms
- F. Semiconductor Integrated Circuits Layout Design:
  - i. Concept of SICLDR
  - ii. Criteria of SICLDR
  - iii. Rights in SICLDR
  - iv. Procedure for registration of Lay-out Design
  - v. Infringement and Enforcement Mechanisms
- G. Geographical Indications:
  - i. Meaning of GI
  - ii. Difference between GI and Trade Marks
  - iii. Concept of Authorized user
  - iv. Infringement
  - v. Offences & Penalties
- H. Plant Varieties Protection:
  - i. Protection of Plant Varieties and Farmer's rights
  - ii. GM Corps
  - iii. Objectives of Plant Varieties Act
  - iv. Registration of Plant Varieties
  - v. Duration and effect of Registration
  - vi. Infringement
  - vii. Offences
  - viii. Remedies
- I. Trade Secrets:
  - i. Meaning of Trade Secrets
  - ii. Need to protect Trade secrets
  - iii. Essentials and Misuse of Trade Secrets
  - iv. Criteria of Protection
  - v. Procedure for registration
  - vi. Infringement
- J. Commercialization of IPR:
  - i. Traditional IP and Evolving IP
  - ii. Assignment
  - iii. Licensing
  - iv. Cross License
  - v. Patent Pool
  - vi. Negotiations
  - vii. Defensive Publications
  - viii. Technical Disclosures
  - ix. Patent Pooling
  - x. Patent Trolling
  - xi. Brand Management
  - xii. Brand and Pricing Strategies
  - xiii. Patent Mining
  - xiv. Patent Landscaping and Patent Mapping
- 3. Section III: Evidence Based Education (EBE) in Research
  - A. Introduction
    - i. Concept of EBE
    - ii. Need for evaluation of evidence
    - iii. Concept of peer review

- 05 hrs.

*Unnati*  
01/08/20







# SUMANDEEP VIDYAPEETH

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At and Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin Code: 391760. Phone: +91 2668 245262 / 64 / 66, Extension No.: 2801 / 2802,  
Mobile No.: +91 9099055626, Fax No.: +91 2668 245069. E-mail Id: registrar@sumandeepvidyapeethdu.edu.in | Website: www.sumandeepvidyapeethdu.edu.in

- iv. Patient Centric Treatment
- v. Consumer protection act
- vi. Standardization protocols
- B. Requirements for EBE practice
  - i. Gap between research and practice
  - ii. Concept of context
  - iii. Peer reviewing against Google research
  - iv. Elimination of ego clashes and personal opinion
  - v. Accountability
  - vi. Removal of geographic and demographic variation
- C. Concept of formulating a question
  - i. Introduction
  - ii. PICO method
  - iii. examples for understanding
  - iv. Searching for evidence-computer search
  - v. Computer skill required for searching
  - vi. Case studies
  - vii. Internet use protocol
  - viii. Search engines peer reviewed
  - ix. Search filters
  - x. Traditional evidence and knowledge generating evidence
  - xi. Evidence pyramid of knowledge & levels of evidence
- D. Critical appraisal of published research

#### 4. Section IV: Research Ethics

- i. Introduction
- ii. Guidelines for conduction of research
- iii. Principles of Research Ethics
- iv. Code of Research Ethics
- v. Jurisprudence for Ethical practice

#### II. Biostatistics:

- 45 hours

(Paper - II)

##### A. Data Presentation

- 04 hrs.

- i. Graphs: Histogram, Bar Charts: Simple and Multiple, Pie Chart, Problems and Interpretations of each.
- ii. Tables: Simple Table; Two Way and Multiway Table; Problems elaborating each.

##### B. Measure of Central Tendency, Dispersion, Skewness and Kurtosis - 06 hrs.

- i. Measure of Central Tendency: Arithmetic Mean, Median, Mode.
- ii. Measure of Dispersion: Variance, standard Deviation, Standard error, Coefficient of variation.
- iii. Skewness: Discussion, Karl Pearson's co-efficient of Skewness.
- iv. Kurtosis: Discussion. Note: Discussion of uses and interpretations is expected.

##### C. Exact Sampling - Distribution I

- 08 hrs.

- i. Calculation of Sample Size
- ii. Chi Square Test, Definition: Applications of Chi Square Test. Chi Square Test for population variance. Chi Square Test for Goodness of Fit. Chi Square Test for independence of attributes (2 x 2 contingency table only). Yates Correction method. (Problems on Chi-Square with Yates correction need to be covered in practical session). Note on degrees of freedom and Problems



*Handwritten signature*  
01/08/20





# SUMANDEEP VIDYAPEETH

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956  
Accredited by NAAC with a CGPA of 3.53 on a Four Point Scale at 'A' Grade  
Category - I Deemed to be University under UGC Regulation 2018

At and Post: Piparia, Taluka: Waghodia, District: Vadodara, Gujarat State, INDIA. Pin Code: 391760. Phone: +91 2668 245262 / 64 / 66, Extension No.: 2801 / 2802, Mobile No.: +91 9099055626, Fax No.: +91 2668 245069. E-mail Id: registrar@sumandeepvidyapeethdu.edu.in | Website: www.sumandeepvidyapeethdu.edu.in

## D. Exact Sampling - Distribution II

- 12 hrs.

### i. Parametric Test:

- t-test. Definition: Simple t- test for mean and variance. Independent t-test for Mean and Variance. Paired t- Test for mean and variance, Unpaired t-test. Problems on each.
- Z-test. Definition: Z- Test for significance of difference for sample mean and Population Mean. Z- Test for significance of difference for sample variance and Population Variance. Z- Test for significance of difference for sample means of two group. Z- Test for significance of difference for sample variance of two groups. Problems.
- ANOVA, One Way ANOVA, Two Way ANOVA, Problems.

### ii. Non Parametric Test:

- Test of Randomness, Median Test, Sign Test, Mann-Whitney-Wilcoxon U Test, Problems

## E. Testing of Hypotheses

- 7 hrs.

- Introduction
- Assumption of Parametric test
- General Hypotheses
- Statistical Hypotheses
- Simple and Composite Hypotheses
- Null Hypotheses
- Alternative Hypotheses
- Critical Region
- Two Types of Error
- Level of Significance
- Steps in Solving Testing of Hypotheses problem

## F. Correlation and Regression

- 8 hrs.

- Definition of Correlation for Bivariate Distribution
- Types of Correlations
- Positive Correlation
- Negative Correlation
- No Correlation
- Methods for Identifying Types and Degree of correlation
- Scatter Diagram
- Karl Pearson's Correlation Coefficient
- Interpretation of Results
- Rank Correlation
- Limitations of correlations
- Regression for Bivariate Distribution
- Line of regression
- Regression Curves
- Regression Coefficient
- Properties of regression Coefficient

The above curricular amendment / revision in the Course Work for Doctoral (Ph.D.) program, shall be widely circulated.

Copy for information to:

1. All the HOIs / Deans / Principals
2. Ph.D. Coordinator, Dept. of Academics, SVDU



*Dr. Chandramani B. More*  
Dr. Chandramani B. More  
Registrar