

KLE ACADEMY OF
HIGHER EDUCATION & RESEARCH
DEEMED UNIVERSITY

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KAHE UG All India Entrance Test - UGAIET - 2006



INFORMATION BROCHURE & APPLICATION FORM FOR

UNDERGRADUATE ALL INDIA ENTRANCE TEST - UGAIET

FOR ADMISSION TO

M.B.B.S. & B.D.S. COURSES

2006-07

a rare visionaries



SAPTARSHIS AND FOUNDER MEMBERS

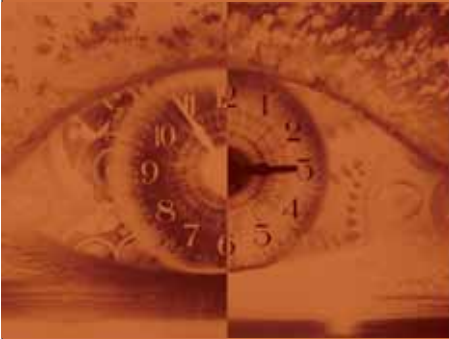


SHRI. PRABHAKAR B. KORE

**WHOSE
LEADERSHIP
IS A
NEVER ENDING
RESOURCE OF
ENERGY**

Education is not the amount of information that is put into your brain and runs riot there, undigested, all your life. We must have life building, man making, character building assimilation of ideas. If you have assimilated five ideas and made them your life and character, you have more Education than any man who has got by heart a whole library

- Swami Vivekananda



vision

“To Be An Outstanding University Of Excellence Ever In Pursuit Of Newer Horizons To Build Self Reliant Global Citizens Through Assured Quality Education Programmes.

mission

- To promote sustainable development of Higher Education consistent with statutory and regulatory requirements.
- To plan and continuously provide necessary infrastructure, learning resources required for Quality education and innovations.
- To stimulate to extend the frontiers of knowledge, through Faculty Development and Continuing Education Programmes.
- To make research a significant activity involving Staff, Students and Society.
- To promote Industry/Organization, Interaction/Collaborations with Regional National/International bodies.
- To establish healthy systems for communication among all stakeholders for vision oriented growth

objectives

The objectives are to realize the following at University and its Constituent Institutions :

- To implement effectively programmes through creativity and innovation in teaching, learning and evaluation.
- To make existing programmes more career oriented through effective system of review and redesign of curriculum.
- To impart spirit of inquiry and scientific temperament among students through research oriented activities.
- To enhance reading and learning capabilities among faculty and students and inculcate sense of Life Long Learning.
- To promulgate process for effective continuous, objective oriented student performance evaluation.
- To ordinate periodic performance evaluation of the faculty.
- To incorporate themes to build values, civic responsibilities and sense of National Integrity.
- To ensure that the academic, career and personal counseling are in-built into the system of curriculum delivery.
- To strengthen, develop and implement staff students welfare programmes.
- To adopt and implement principles of participation, transparency and accountability in governance of academic and administrative activities.
- To constantly display sensitivity and respond to changing educational, social and community demands.
- To promote Public - Private Partnership.


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from the chancellor's desk ...



Dear Aspirants,

On behalf of KLE Academy of Higher Education and Research, Deemed University, Belgaum, I extend warm greetings to all of you. It gives me an immense pleasure in writing this brief note for all of you.

You are aware that world is changing fast. Though change is an universal truth, the truth is greater than ever before. With the globalization, inter country barriers have disappeared. Rules of livelihood, trade and industry are being re-written and so are the rules for education and more so for higher education.

We find ourselves today at the thresh hold of most exciting and challenging phase in the history of education. Creating world class professionals who posses knowledge, skills, attitude and values, is of paramount importance.

Keeping this view of empowering students and the faculty with the global ambience in academics and their overall growth, the sponsoring KLE Society thought of achieving Deemed University status. The effort started a decade ago and as another feather, The KLE Academy of Higher Education and Research has been accorded Deemed University status by the Department of Secondary & Higher Education, Ministry of Human Resource Development, on the advise of the University Grants Commission (vide their letter no. F-9-19/2000-U3 A dated 13-04-2006).

KLE Academy of Higher Education & Research at present has following two constituent colleges :

- Jawaharlal Nehru Medical College (JNMC) Nehru Nagar, Belgaum (Recognised by MCI)
- KLE Institute of Dental Sciences (KIDS) Nehru Nagar, Belgaum (Recognised by DCI)

The University shall in a phased manner include the College of Pharmacy, Institute of Nursing Sciences, Institute of Physiotherapy and others within the ambit of Deemed University.

University has been established to ensure greater academic freedom and career orientation in its curriculum planning and implementation. It also intends to start newer concepts such as School of Economics, School of Community Health, School of Mathematics etc. to create specialised Human Resource.

Continuing excellence and quality having been our vision, we are committed in our pursuits of newer horizons. We are proactive, we shall adopt any change and excel there too.

Having had the world class, vast infrastructure and learning material and human resource, having achieved number of milestones in the past, having attained National and International Maturity, we shall not leave any stone unturned in giving you education in our institution a global edge. We shall ensure your academic, social and spiritual growth.

With my best wishes,

KLE ACADEMY OF
HIGHER EDUCATION AND RESEARCH
DEEMED UNIVERSITY

Information Brochure & Application Form for
Undergraduate All India Entrance Test
UGAIET

M.B.B.S.

J. N. Medical College,
Nehru Nagar, Belgaum - 590 010. Karnataka, INDIA.
Recognised by MCI

B.D.S.

Institute of Dental Sciences,
Nehru Nagar, Belgaum - 590 010. Karnataka, INDIA.
Recognised by DCI

2 0 0 6 - 2 0 0 7



sponsoring society K.L.E. Society, Belgaum

B R I E F H I S T O R Y

In 1916, a dedicated group of visionaries, reverently called as SAPTARSHIS belonging to Veerashaiva Community popularly called as Lingayats, dreamt to create a strong educational base in the neglected areas of Karnataka & Maharashtra. Set upon a rare philosophy & fundamental principals, the society grew tremendously. Due to the efforts of leaders of those days, B.V.B. Engineering College, (1947) Hubli, J.N. Medical College, (1963) Belgaum, College of Pharmacy (1975) Belgaum were started.

In the year 1984 came an era of rejuvenation when our dynamic & visionary chairman Shri Prabhakar B. Kore took over the reigns of K.L.E. Society & it grew leaps & bounds in various fields of Education, Health & Infrastructure. The number of institutions tripled, from 38 to 160, from primary to post doctoral, from traditional to professional level of education. Starting of Dental Colleges, Nursing Colleges, College of Physiotherapy, 1000 Bedded state of the art, world class KLE's Hospital & Medical Research Centre, I.C.U's at Gokak, Hubli, Ichalkaranji, Cardiac Institute at Hubli, KLE Heart Foundation, Kidney Foundation, 850 Bedded Free Hospital attached to J. N. Medical College and many more such institutions have added colours to the KLE Society due to his sterling efforts.

Karnataka & Maharashtra did not remain boundary & the society started primary School of International standard in the capital of India New Delhi in the year 2004. It is his foresight that has given global out look to KLE Society. Truly his Leadership is a Never Ending Resource of Energy. The following statistics speaks volumes of the educational pursuits of the KLE Society:

- Running 160 Institutions
- An asset base of 5 billion rupees
- 6000 dedicated & motivated human resource.
- Over 60,000 Students on rolls from KG to post doctoral, from traditional to Technical & Medical Education.
- Providing Primary to Tertiary to state of the Art super speciality World Class Health care Services.

Jawaharlal Nehru Medical College, Belgaum

Since 1963...

B R I E F H I S T O R Y



The JN Medical College, Belgaum stands testimony to the high professional standards aimed for & achieved by the KLE Society. It was established in 1963. Under the able guidance & mature insight of the Founder Dean Late Dr. B.S. Jirge, the foundation of present academic vastness was laid. Eminent Medical Educationist, Late Dr. B.M. Desai & Dr. M. Basavaraj Urs Headed the Institutions as Principals during the first decade.

In 1971 Dr. S.G. Desai took over the reigns of the institution. His distinguished tenure between 1971 to 1985 was marked by the achievement of high standards of discipline, decorum & academic excellence. He later took the charge as Vice-Chancellor of Karnataka University Dharwad.

Dr. H.B. Rajashekhar assumed the office of Principal in 1985. During his tenure college saw vast growth in infrastructure & learning resources. He contributed substantially in coming up of KLE Hospital & MRC, Development of Medical Education, Digital Library, and Collaboration with University of Illinois. These ideas were conceived & realized during his tenure. Welfare & student support amenities were given a great emphasis by him.

Since 13th of Aug. 2002, Dr. V.D. Patil, M.D DCH took over the reigns as Principal. He took over when the field of Higher Medical Education was going through the effects of Globalization. He was to ensure renascence. He took the onerous responsibility confidently. His firm conviction, His cordial approach, His broad & cosmopolitan views have created a true renascence in the college. It is through his persuasions, the College has adopted well thought Vision, Mission and Objectives and this has given the institute a new sense of direction and identity. It has also enhanced collegiality and academic ambience of the College. Ensuring socially responsible behaviour, 850 bedded Free Block of the Hospital has been dedicated in the service of suffering human kind, under his chieftainship. During his tennure M.Ch. in CTVS, D.M. in Neurology and D. M. Cardiology have been introduced, and the process of introducing M.D. in Psychiatry, is already in place.....

The Journey shall continue, ever in pursuit of Never Horizons...

details of the courses offered

UG Medical Programme MBBS

SL.No	Subject	PG Medical Programmes	
		Degree	Diploma
1	Anatomy	MD	--
2	Physiology	MD	--
3	Biochemistry	MD	--
4	Pharmacology	MD	--
5	Pathology	MD	D.C.P.
6	Microbiology	MD	--
7	Forensic Medicine	MD	D.F.M.
8	Community Medicine	MD	D.P.H.
9	General Medicine	MD	--
10	General Surgery	MS	--
11	O.B.G	MS	D.G.O.
12	Paediatrics	MD	D.C.H.
13	Anaesthesiology	MD	D.A.
14	Skin & STD	MD	D.V.D.
15	Orthopaedics	MS	D. Ortho
16	Ophthalmology	MS	D.O.M.S.
17	E.N.T.	MS	D.L.O.
18	Radiology	MD	D.M.R.D.
19	T.B. & Chest	MD	--

Ph.D. Programmes: Microbiology
Biochemistry
Pharmacology

M. Sc. Programme: Hospital Administration

Post Doctoral Programme: M. Ch. in Urology
M. Ch. In CTVS
DM in Neurology
DM in Cardiology

Allied Medical Degree Programmes:

B.Sc. Medical Laboratory Technology
B.Sc. Radiology
B.Sc. Cardiac Care Technology
B.Sc. Perfusion Technology
B.Sc. Anaesthesia Technology
B.Sc. Neurology Technology

TOTAL ADMISSION CAPACITY PER YEAR

UG MBBS	PG				Post Doctoral DM/MCh	Paramedical B.Sc. Degrees (Six Programmes)	Total admission
	MS / MD Degree	Ph.D.	M. Sc. H.A	Diploma			
150	70	03	20	76	04	75	398

Please note:

- 1) 15% seats are reserved under management category in including seats for NRI/and foreign students.
- 2) Reservations will be as per directives of Govt. Of India (MHRD) and UGC regulations.
- 3) Eligibility for admission will be as per Medical Council of India (MCI) regulations.

institute of dental sciences

Dental Science is an area that has gained tremendous recognition in recent years. The ratio of qualified Dental Surgeons was very low as compared to other Medical Faculties. This prompted the K.L.E. Society to establish a Dental College, one that would serve the populace in the states of Karnataka and Maharashtra. The Institute of Dental Sciences was thus set up in August, 1985, within the vast 113 acre campus of the Jawaharlal Nehru Medical College. The Institute got off to a flying start under the leadership of the Late Dr. S. S. Khera, its first Principal.

The Dental Council of India gave approval for the BDS course in 1989 and since then the Institute has come a long way and has gained numerous accolades.

The K.L.E. Society started postgraduate courses in Dentistry in the year 1990. Today it exalts in rendering Masters degree in all branches of Dentistry. All the courses are approved by Dental Council of India.

Today, the Institute boasts of an accomplished faculty and numerous departments. All the laboratories and clinics are spacious, well furnished and have every sophisticated equipment and gadget - both indigenous and imported to facilitate an excellent environment that is conducive for learning.

In keeping with a fine tradition that fosters professional education, the Institute has distinguished and experienced faculty. Each member of the faculty has had extensive academic experience ensuring that the education imparted is of the highest professional standard. The entire gamut of Dental Science is covered from basic degree course to post-graduate courses.



courses offered

Bachelor of Dental Surgery Course - B.D.S.

Post Graduate Courses

M.D.S. (Prosthodontics)

M.D.S. (Periodontics)

M.D.S. (Oral & Maxillofacial Surgery)

M.D.S. (Conservative Dentistry)

M.D.S. (Orthodontics)

M.D.S. (Oral Pathology)

M.D.S. (Community Dentistry)

M.D.S. (Pedodontics)

M.D.S. (Oral Medicine & Radiology)

Other Courses

Certificate Course in Implantology

Diploma Course in Dental Mechanics

Diploma Course in Dental Hygiene

TOTAL ADMISSION CAPACITY PER YEAR

UG	PG	Total admission
BDS	MDS	
100	41	141

Note:

- 1) 15% seats are reserved under management category in including seats for NRI/and foreign students.
- 2) Eligibility for admission will be as per Dental Council of India (DCI regulations)
- 3) Admission and Reservation will be as per UGC regulations.

efficiency in every sphere

At the Institute of Dental Sciences, each Department is an efficiently planned, organised, and independent unit. Needless to say the Head of Departments are outstanding academicians whose professional acumen is a driving force and an inspiration to students. Every Department has all the infrastructural facilities, equipment and manpower to ensure optimum efficiency.

Orthodontics

Oral & Maxillofacial Surgery

Pedodontics

efficiency in every sphere

Oral Pathology & Microbiology

Prosthodontics Crown & Bridge

Oral Medicine & Radiology

Conservative Dentistry & Endodontics

Periodontics

K.L.E. Hospital and Medical Research Center

A striking example of passionate social endeavor, the K.L.E.S hospital & Medical Research Centre stands on a sprawling 16-acre plot. Established in 1996 at a cost of Rs. 100 Crores, the state of the art medical Facility was conceived by Shri Prabhakar. B. Kore, MLC, Chairman of the K.L.E. Society. The very concept of establishing such a massive and organized Medical Facility in a relatively small city such as Belgaum, is a rarity. The design layout, interiors and exteriors of the Hospital are aesthetically designed so that every facet – waiting areas, corridors, rooms, wards, as well as the neatly manicured lawns, all provide a soothing ambience for patients and their visitors. Apart from the most advanced medical gadgets and equipments, the Hospital has introduced several new services for the convenience of the populace in the region. The excellent facilities and services offered by the Hospital have made it comparable to other leading medical establishments in India. The enormous advantage of having such an establishment on campus is that students get an unique and practical insight into a contemporary medical world, giving them a headstart and lending a rare perspective to their academic pursuits.

Hospital & MRC's Free Block attached to J. N. Medical College, Belgaum

In continuation of this Social concern for the poor & the downtrodden, the Society has dedicated Free-Charitable Hospital Block in the Service of the Suffering Human Kind.

This Free Hospital Block is built at the cost of Rupees 12.5 Crores. Free Hospital is Massive, Organized and Aesthetically Designed to provide soothing ambience for patients. It was started on 4th of May 2004. It is providing Free of cost Basic Health Care Facilities in General Medicine, General Surgery, OBG, Orthopaedics, Ophthalmology, ENT, Paediatrics, Skin & VD, TB & Chest, Psychiatry, Radiology. In all there are 850 beds in this Hospital with nine Air conditioned, Hi-tech Operation Theatres.

The Basic services extended include, Free Operations, Free Tea, Break fast & Food, Free Medicines, Free Investigations and Free Nursing Care.

library



- College library “Jnana Soudha” meaning temple of knowledge is the heart of the college.
- The library has unique serene reading ambience with good lighting & ventilation.
- Library has proactive advisory committee
- There are six reading rooms accommodating 1000 students at a time and has 25000 books, 250 journals & 4000 back dated issues.
- Library follows open access system which gives freedom for looking into books & choose.
- All the activities of the library are computerized.
- There is book bank facility in the central library.
- There is audio and video room and provides awareness services, Bibliography services.
- Xerox, Bind services are also provided in library.



digital library



Apart from an extensive well-stocked library the college has established an unique Digital Library with 64 kpbs leased line in spacious hall with a vast MD Medical Database screening with around fifty computers. Apart from routine browsing, the digital library enables students practice Evidence Based Medicine and to make power point presentation of their research papers. MD consult Database provides over 52 Medical journals, 35 reference book, 600 practice guidelines, Drug information for over 30,000 medications and nearly 3000 customizable patients Education handouts.

dept. of medical education

Advance in health science and changing social structure of country have necessitated need for modernity and validity of medical education. The Medical Education Cell later emerged as Department of Medical Education carrying out following activities :

- a) Training of trainers: conducts in house workshop on educational technology and behavioural sciences.
- b) Undergraduate Medical Education: organises workshops for formulating syllabus, curriculum and evaluation.
- c) Postgraduate Medical Education: Conducts Orientation Programme to give an insight into research methodology planning, execution and to train PG students in communication skills.
- d) Health professionals training for paramedical workers.



national & international collaboration

College is in collaboration with National & International bodies such as ICMR, WHO, University of Illinois, Chicago, USA, University of Missouri Kansas City, USA for teaching & Research purpose.



public - private partnership

In its Public-Private initiative the J. N. Medical College has adopted three Primary Health Centres. The entire expenses of these three PHC's is borne by the college. This exposes the student community to the community level health care delivery system.



world class museums

The college has unique museums where medical facts and oddities relating to the human body are on display. A collection of over 300 dissected specimens and over 1000 models are all carefully preserved for the layman and students, to observe. These include every part of the human body. The human fetus from a month old till its mature stage & other rarities such as cysts removed from the body, are all on display making it a veritable bank of visual reference



hi-tech laboratories

The vast expanse of Medical Science and its complexity, necessitate that constant experiments and case studies be conducted within well equipped laboratories. The college has an array of modern laboratories with state of the art equipment. Trained laboratory staff provide proper assistance and guidance to the students.



Academic Council



auditorium

Acoustically built 1200 seater Auditorium with audio video & cinema facilities are on the campus. It is used for various students activities & for regional, state, national & International conferences, symposia, workshops & seminars.

community extension activities

To facilitate social development of students, college conducts many activities to establish proactive interface between community (villages, schools, colleges and local mandals) and students, staff and college to develop community / social orientation and counseling skills



Hostel Campus



Transport facilities

internship

MBBS/BDS Internship Training Programme is based on Medical Council of India (MCI) / Dental Council of India (DCI) regulations respectively. This has been implemented by both the Institutions. After successfully completing phase III Part II Clinical subjects, MBBS and IVth part II BDS students enter internship. It is a compulsory one-year period of rotatory training wherein a candidate is expected to do actual practice of medical / dental skills under supervision. It would enable them to function independently as a unit of health & medical care system. The internship will be periodically assessed & certified by the head of the department & on completion by the head of the institution.

convocation & award of degree

Every candidates after passing the final MBBS / final BDS examination & after undergoing compulsory rotatory internship for a period of 12 months to the satisfaction of college & university authorities concerned shall be eligible to receive MBBS / BDS Degree.

registration with MCI / DCI

Students will have to take temporary registration during internship & soon after completion of internship, they have to apply for permanent registration with Karnataka Medical Council / Karnataka Dental Council and practice there after registering with respective State Medical Councils / Dental Councils where they intend to practice.

comprehensive feedback system

Teaching Learning and Campus Evaluation:

The teaching, Learning processes and campus experience are evaluated regularly through comprehensive Feedback System for objective oriented, continuous growth and for enhancing the academic ambience of the college. Based on feedback bridge, remedial & enrichment programme are held.

hostels and guest houses

The vast campus of the college provides adequate and comfortable Hostel accommodation. There are four Gents and four Ladies hostels accommodating around 850 students each, Hostel Rules and

Guest House:

Visiting parents are accommodated in 3 comfortable & spacious guest houses including the Silver Jubilee Guest House.

Six suits & two super deluxe suits are provided to stay for the parents of Akkamahadevi International Girls Hostel Residents.



sports, cultural, literary & art activities

In pursuit of striving continuously to ensure Academic Social and Spiritual growth of every student, along with objective oriented academic activities the college also conducts lots of Sports, Cultural, Literary Arts and community activities and provides equal opportunities to all students.

Playground spanning 12 acres has been allocated for a host of sports activities such as Hockey, Cricket, Football etc. A newly constructed indoor Games Complex with a Badminton Court, is an added attraction.



parent interaction

Recognising parents as one of the most important stake holders, the Institutions ensure Parents-Institution Interactions periodically.

overseas students facilitation

The Overseas & NRIs students come from different socio-linguistic background, having varied food tastes, life style & special needs. It is necessary that they are smoothly inducted into the local background. To help these students there is an Overseas Students Cell. This centre looks after their special needs .

academic, personal & career counseling

To cater to the career needs of the students, to make them aware of various careers, post graduate, super specialty courses and to provide in-house training, counseling, there is a well established, informative career and PG Entrance forum in the campus.

alumni association

The vibrant association organizes Regional, National & International level get-togethers periodically.

grievances redressal

There is a well-defined fair and expeditious Grievances Redressal Mechanism in the campus. This responsibility is shouldered by Grievances Redressal Cell.

welfare & support amenities

Various welfare programmes that enhance / facilitate good health, happiness, academic prosperity, stress free stay are implemented, so as to ensure better human relations and creation of one family feeling, sense of belonging and human concern of share and care. 5 Buses are provided for transportation between the Institutions, Clinics and the City. Syndicate Bank, Post Office, Co-operative Store, Saloon, Beauty Parlour, STD/ISD facilities, Reservation Counter, Xerox and Canteen facilities are provided within the campus.

rewarding academic brilliance

Various Medals and Cash Prizes are instituted for Academic Proficiency of the students at various MBBS / BDS Examinations.

discipline & anti-ragging measures

Smooth induction of freshers, stringent anti ragging measures, self regulating discipline, are in built into the system & implemented in the entire campus.

admission procedure

Introduction :

1. Students will be admitted to MBBS/BDS Courses of the constituent colleges of KLE Academy of Higher Education & Research Deemed University on the basis of the merit obtained by them in the UG All India Entrance Test - UGAIET 2006.
2. UGAIET 2006 will be conducted on Saturday 27th May 2006 from 10 a.m. to 1 p.m. at the examination centers in the following cities.
 - BELGAUM ● BANGALORE ● PUNE ● NEW DELHI ● AHMEDABAD
 - HYDERABAD
3. The UGAIET 2006 will consists of one question paper. It will be set in English medium & contain 200 multiple choice objective-type questions, 50 each on Physics, Chemistry, Botany & Zoology. These questions will be set in general on the detailed syllabus given on the proceeding pages of the brochure. Each correct answer will get one mark. There is no negative marking.

Eligibility for appearing in UGAIET 2006 & subsequent admission

4. **Common Eligibility Requirements for admission to MBBS/BDS :** Only those candidates who would satisfy or are likely to satisfy the relevant eligibility requirements for admission to a course will be considered eligible to appear for the UG All India Entrance Test (UGAIET-2006) & subsequently for admission to that course.

4.1 Age:

- i) The candidate should complete 17 years of age on or before 31st December 2006.

4.2 Qualifications:

- i) **Requisite qualifications for admission to MBBS/ BDS Courses :** The candidate seeking admission to any of these courses should have passed the Higher Secondary Certificate Examination PUC II/ HSC or the Indian School Certificate Examination (ISCE) or any other examination equivalent to 10+2/HSC examination of any recognized Board/ University from any School/College situated in India / Abroad after 12 years of study.
- ii) **For admission to MBBS/BDS course :** The candidate should have passed in the subjects of Physics, Chemistry, Biology & English individually & must have obtained atleast 50% marks in Physics, Chemistry & Biology taken together in the qualifying examinations i.e., PUC II/ 10+2/HSC or equivalent. The candidate should also have secured atleast 50% marks in Physics, Chemistry & Biology taken together at UGAIET 2006 for admission to MBBS/ BDS courses.

The candidate belonging to the scheduled castes/scheduled tribes should have obtained atleast 40% marks in Physics, Chemistry & Biology in the qualifying examinations as well as at UGAIET 2006.

The candidate should also have scored 50% marks in English Language.

- iii) Candidates who are likely to appear or who have appeared for qualifying examination i.e. PUC II /10+2/HSC or equivalent but whose results have not been declared will also be considered eligible to appear for UGAIET 2006, provided they have offered the above mentioned subjects at the said examination.
- iv) Foreign / PIO / NRI Students need not appear for KAHE-UGAIET. Their admission will be based on qualifying examination marks.

If candidate fails to fulfill the relevant eligibility requirements as mentioned above will not be considered eligible for admission to any of these courses, viz. MBBS/BDS, even if he/she is placed in the merit list of the UGAIET 2006. The candidates are advised not to submit their application forms for appearing for UGAIET 2006 if they do not fulfill any or all of the relevant eligibility requirements.

admission procedure

5. Application procedure :

A candidate desirous of appearing in the UGAIET 2006, is required to complete the prescribed application form appended at the end of this brochure & submit the same to the University, on or before the scheduled date.

Instructions for completing the Application Form

6. The application form for admission to UGAIET 2006 is common for MBBS/ BDS courses. No separate form is prescribed for any particular course or college.

The candidates should avoid overwriting, cutting, erasures on the form. Any discrepancies in the statements and /or submission of incomplete form will lead to its rejection/ cancellation of admission.

- 6.1 Blue / Black ball point pen should be used for filling in the application form.

ALL THE ENTRIES IN THE FORM SHOULD BE IN CAPITAL LETTERS ONLY.

- 6.2 Squares provided in the application form are only for writing alphabets in capitals for indicating name, address etc. or for appropriate numbers. The alphabet or the number written in the square must not touch the edge of the square.

A

Correct

A

Incorrect

- 6.3 Name mentioned in the form by the candidate should be the same as in the documents of 10th examination. One square should be used only for one alphabet. Please leave one blank square between adjacent words. For example, the name MAHESH SHAMBHU PATIL should be written as follows:

M	A	H	E	S	H		S	H	A	M	B	H	U		P	A	T	I	L
---	---	---	---	---	---	--	---	---	---	---	---	---	---	--	---	---	---	---	---

- 6.4 If the number of a date or month of birth is a single digit, it should be prefixed with a zero. For example 26th February, 1980 should be written as: -

2	6
---	---

D D

0	2
---	---

M M

1	9	8	0
---	---	---	---

Y Y Y Y

- 6.5 The candidate should indicate clearly the examination centre at which he/she wishes to appear for examination by ticking the appropriate one.

- 6.6 A recent passport size photograph should be affixed at the appropriate place in the application form. The photograph is to be firmly affixed by using gum. It should not be pinned. The photograph is to be attested by the Principal/ Head of the Institution where the candidate has studied or by a Gazetted officer. The attestation of the photograph should be done in such a way that the photography is not defaced.

Also enclose 2 recent passport size photographs along with application.

admission procedure

6.8 Address should be written in capital letters. Use ", " "" ""/" ". " Wherever required as shown in the example. If the address is F1, First Floor, "Toran Sankul", is written as :

F	/	1	,	F	I	R	S	T	F	L	O	O	R	,	"	T	O	R	A	N	"	S	A	N	K	U	L	"
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

6.9 Confirm by ticking whether the candidate has taken prescribed subjects in PUC II / HSC/12th Std.

6.10 Columns for the year of passing 10th & 12th examination, for example if the year is 2004 fill as :

2	0	0	4
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For marks obtained write total of marks obtained by you in the subjects of Physics, Chemistry & Biology in theory & practical taken together. In the next 3 blocks write total marks, for subjects of Physics, Chemistry & Biology both theory & practical together.

If appearing / appeared for PUC II / HSC / 12th tick the appropriate

6.11 Choose one centre only from the choice of centers by ticking

7. CANDIDATES ARE NOT REQUIRED TO ENCLOSE ORIGINALS OR PHOTOCOPIES OF ANY CERTIFICATES WITH THE APPLICATION FORM.

8. Completed application form must be accompanied by UGAIET 2006 fee of Rs 1000/- (if submitted either in person in which case the fee can be paid by cash) or mailed (in which case the fee should be paid by Demand Draft of Rs 1,000/- drawn on any nationalized bank payable at BELGAUM in favour of Registrar, KLE Academy of Higher Education and Research Deemed University, Belgaum to the following address :

Registrar,
KLE Academy of Higher Education & Research,
Deemed University,
Nehru Nagar, Belgaum - 590 010.
KARNATAKA.

[Candidates are advised to obtain & maintain proof of draft & of dispatch of the application form. This may be useful for obtaining duplicate admission card if required.]

8.1 The candidates should invariably mention the number of his application form (as printed on it) & name on the back of the Demand Draft.

8.2 The application sent by mail must be sent by registered post / speed post / courier.

8.3 The application must reach either by hand or by mail to the above address on or before **Monday the 15th May 2006** by 5-00 p.m.

An incomplete application form & an application form which is not accompanied by a demand draft of the prescribed UGAIET 2006 fee of Rs. 1,000 **20** will not be entertained & processed. This fee should not be sent by money order. **Please note that this fee is non-refundable.**

admission procedure

9. This University will not be responsible for any delay or loss of the Application/ Admission Card/ Counselling Letter/ any other communication in transit. Such a delay will not be condoned.
10. **The applicant himself to ascertain from the university office whether his application has reached to the university office or not.**

Issue of Admission cards:

11. Admission Cards for UGAIET 2006 will be dispatched by post to candidates under certificate of posting. The Admission Card will indicate the Roll Number & Examination Centre allotted to the candidate with its address.
12. The candidate must not mutilate this Admission Card or Change any entry, made therein after the university authorities have authenticated it.
13. In case a candidate does not receive the Admission Card (Hall Ticket) by 25th May 2006, he/she should contact our offices in BELGAUM, BANGALORE, PUNE, NEW DELHI, AHMEDABAD & HYDERABAD on previous day of the Test for collecting a duplicate admission card. In such a situation, candidate should bring two copies of his photograph along with his/her & a proof of submission/ mailing of application form. In case no proof is submitted duplicate admission card will not be issued. Purchase of information brochure will not be considered as a proof of sending the completed application form.

Conduct of UGAIET - 2006

14. The examination will be conducted at the different locations in the designated examination centres at 10 a.m. on 27th May 2006. The candidates must report at the centre atleast 30 minutes before the scheduled time of commencement of test.
15. THE EXAMINATION HALL WILL BE OPENED 30 MINUTES BEFORE THE COMMENCEMENT OF THE TEST. CANDIDATES ARE EXPECTED TO TAKE THEIR SEATS AT LEAST 15 MINUTES BEFORE THE COMMENCEMENT OF THE EXAMINATION. IF THE CANDIDATES DO NOT REPORT IN TIME THEY ARE LIKELY TO MISS SOME OF THE IMPORTANT INSTRUCTIONS WHICH WILL BE ANNOUNCED IN THE EXAMINATION HALL.
16. A Candidate will not be allowed to appear for the test if he/she is late by 30 minutes or more to reach the examination hall.
17. The candidate must bring admission card & show the same on demand for admission to the examination hall. A candidate who does not have the Admission Card issued by the KLE Academy of Higher Education & Research, Deemed University will not be admitted to the examination hall under any circumstances by the Centre Superintendent.
18. A seat with a number will be allotted to each candidate in the examination hall.
19. A candidate will not be allowed to carry any textual material, printed or hand written chits or any other material except the Admission Card inside the examination hall. Candidates will not be permitted to bring calculators, slide rules, clerk tables, electronic watches with facilities of calculators, laptop computers, personal stereo systems, walkie-talkie set, paging devices, mobile telephones & any other objects/devices in the examination hall. Possession or use of such devices during the examination is prohibited & candidates is liable to be expelled if found using or possessing them.

admission procedure

21. Parents, relatives or friends of the candidates will not be allowed to enter into the premises of the centre. No arrangement will be made for tea, snacks etc. for the students or parents.
22. Candidates are advised to bring with them a card board or a clip board, on which nothing should have been written. This board will be useful to them while writing their responses in the answer sheet, in case tables in the examination hall do not have smooth surface.
23. Smoking in the examination centre is strictly prohibited. Beverages or snacks of any kind are not allowed to be taken into the examination halls during examination hours.
24. Candidates should maintain perfect silence & discipline in the examination hall. Any conversation, gesticulation or disturbance in the examination hall shall be considered as misbehaviour & the candidates involved in each a behaviour will be expelled from the examination hall. Similarly, if any candidate is found using unfair means or allowing someone else to impersonate him / her, his/her candidate at the examination will be instantaneously cancelled.
25. During the test time, the invigilator will check the Admission Cards of the candidates to satisfy himself/ herself about the identity of each candidate. The invigilator will also put his/her signature in the place provided in the Answer Sheet.
26. After completing the test & before handing over the Test Booklet & Answer Sheet back to the invigilator, the candidate should check once again to see whether all the particulars required in the Test Booklet & the Answer Sheet have been correctly written. He should ensure that the Roll Number, Centre Code & the Test Booklet number are correctly written on the answer sheet.
27. A warning bell will be given at the beginning of the test & also to mark the half-time of the test time. A bell will also be given before the closing time when the candidate must stop marking the responses or writing.

Mode of the test:

28. The test consists one paper. The question paper consists of two hundred objective-type questions on Physics, Chemistry, Botany & Zoology (50 on each of them). The duration of the test is of 3 hours.

Test Booklet:

29. Test Booklet: The candidate will be provided with a sealed Test Booklet with an answer sheet. The candidate will write with ball point pen the required information regarding : Roll Number, Name, Test Form number & Centre of examination & Test booklet number in the columns on the answer sheet. He should also write information on the format page of Test Booklet with out opening the seal.

The candidates are advised not to open/ break the seal of the same before they are instructed to do so by the invigilator.

30. In the Test Booklet, there will be 200 item/ questions serially numbered from 001 to 200. Each item question will be followed by four responses marked (A), (B), (C) & (D). Out of these four responses only one will be correct which needs to be selected & marked on the answer sheet.

The Answer Sheet:

31. An answer sheet will be given to the candidates along with Test Booklet at the time of test.
 - 31.1 This answer sheet will be of special type which will be scanned mechanically by Optical Mark Scanner. So the candidate should handle the answer sheet very carefully.

admission procedure

31.2 Side 1 -

This side of the answer sheet begins with instructions for marking the responses. The following information is to be filled in with a blue or black ball point pen only, neatly & accurately:

- Name of the Candidate
- Roll Number
- Centre of Examination (name of the city)
- Signature of the Candidate

This side of the answer sheet also contains the following columns which are to be written/ filled in with blue or black ball point pen only (Please study the specimen answer sheet appended at page 40 & 41):

- Roll Number : Write in the squares & darken (completely filling in) the appropriate circles corresponding to Roll Number.
- Test Booklet Number: Each test booklet has a number. Write it at appropriate place.
- Test Form Number : write in the squares & darken the appropriate circles corresponding to Test Form Number mentioned on the Test Booklet.

31.3 Side 2:

This side is to be used for marking responses to questions numbered 001 to 200. after every question number, four circles numbered (A), (B), (C), & (D) are provided for this purpose.

The candidate must indicate his/her response to the question by darkening the appropriate circle completely with a blue or black ball point pen or HB Pencil. **For example:**

- Q. 003 Bangalore is the capital city of the state of:
- A. Tamilnadu
 - B. Karnataka
 - C. Orissa
 - D. Kerala

The correct response is (B). The candidate will locate question number in the answer sheet & darken the circle (B) as shown below:

	(A)	(B)	(C)	(D)
001	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
002	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
003	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
004	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If the candidate darkens more than one circle or if he does not mark his response as shown above & marks his response as shown below, his response will be treated as wrong & will not be given marks.

	(A)	(B)	(C)	(D)
001	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
002	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
003	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
004	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

admission procedure

32. The candidates are advised to decide about the answer before they mark it on the answer sheets. He/she must ensure that the circle is completely darkened with a blue or black ball point or HB Pencil only. A lightly or faintly darkened circle is a wrong method of marking & will be rejected by the Optical Scanner.
33. If the candidate does not want to attempt any particular question he/she is advised not to touch any of the circles given against that question.
34. The candidate must not fold the answer sheet & should not make any stray marks on it.
35. A specimen copy of the answer sheet is given at page 40 & 41. Candidates are advised to go through it & get conversant with it. The candidate will learn from this answer sheet as to how to fill in the information asked for & how to mark the answers. This will help the candidates to do the things correctly & save their time.

Changing an Answer:

36. If a candidate wants to change any answer marked by him/ her on the answer sheet, he/ she must completely erase the existing ball point or pencil mark & then darken the appropriate circle with ball point pen or HB Pencil. Candidate must not leave any visible mark in the circle after erasing. Otherwise the response will be rejected by the optical mark scanner. Such erasing should be avoided as far as possible.
37. Test Booklet number as filled in by the candidate in the answer sheet will be accepted as final for the purpose of evaluation. When the booklet number is left blank or more than one booklet numbers are indicated on the answer sheet, it will be deemed as incorrect booklet number & answer sheet will not be evaluated.

Pens, Erasers & Pencils

38. The candidate must bring his/her own materials such as blue or black ball point pen & HB pencil (any other pencil HH, HHH etc. should not be used). In case any pencil other than HB pencil is used, the answer sheet will be possibly rejected by the Optical Mark Scanner. The candidate must also bring his/her own sharpner & erasers of good quality.

Important Instruction for marking:

39. USE BLUE OR BLACK BALL POINT PEN OR HB PENCIL ONLY TO DARKEN THE APPROPRIATE CIRCLES.
40. MARKING SHOULD BE DARK AND SHOULD COMPLETELY FILL THE CIRCLE.
41. DARKEN ONLY ONE CIRCLE FOR EACH QUESTION.
42. PLEASE DO NOT FOLD THE ANSWER SHEET OR MAKE ANY STRAY MARKS ON IT.
43. MAKE THE MARKS ONLY IN THE SPACES PROVIDED.

Please note that there will not be negative marking for the wrong answers chosen by the candidate.

Rough Work

44. The candidate will not do any rough work or writing work on the answer sheet. All rough work is to be done in

Merit List :

45. The University will prepare a merit list amongst the candidates who have appeared for UGAIET 2006 in accordance with the total marks obtained by them in Physics, Chemistry, Botany & Zoology taken together in it. The candidates will be called in for counseling as per their ranking in this list.
46. Copy of merit list will be displayed for information at the office of KLE Academy of Higher Education & Research Deemed University in Belgaum. The date of declaration of announcement of merit list shall be notified through official website of the University.
47. In case two or more candidates obtained equal marks in the UGAIET 2006, the inter-se-merit of such candidates shall be determined in order of preference as under:
- 47.1 Candidates obtaining higher marks in Biology (Botany & Zoology) in the entrance examination, if equal
- 47.2 Candidates obtaining higher marks in Chemistry in the entrance examination, if equal
- 47.3 Candidates obtaining higher total marks in subjects of Biology, Chemistry, Physics in the 12th standard qualifying examination. (such a tie will be settled at the time of counseling), if equal
- 47.4 Candidates obtaining higher percentage of marks in the 10th standard examination, if equal
- 47.5 In case of tie at this level, computerized random selection of candidate will be carried out.

Counseling & on-the-spot-admission session :

48. The counseling sessions will be conducted at KLE Academy of Higher Education & Research, Deemed University, J N Medical College, Nehru Nagar, Belgaum - 590010 as per the schedule which shall be displayed on the University website. FAILURE TO REPORT FOR COUNSELING ON THE SCHEDULED DATE AND TIME WILL RESULT IN INSTANTANEOUS CANCELLATION OF A CLAIM OF THE CANDIDATE TO THE SEAT. It shall be candidate's responsibility to see the result of UGAIET 2006.
49. The candidate should remain present for the counseling & for on-the-spot-admission, as per the schedule displayed on website, even though he/she fails to receive any information letter, for any reason from the University.
50. Only the candidate & one of his parents/ guardian will be allowed into the hall where counseling is held. The candidates will be called in the order of their ranking in the merit list & offered the seats to the various courses available at that point of time. The candidate will be allowed to choose admission to any of the courses if a seat is available when his/ her turn comes.
51. The candidate must note that appearance for the examination & inclusion of name in the Merit List does not necessarily mean that he/she will get admission to any course. His admission to a particular course will depend upon the availability of seats for that particular course at the time of his counseling.
52. At the time of reporting for the counseling, the candidate is required to produce the documents (original & two sets of photocopies) listed in Annexure - I. If the candidate is admitted to any of the courses, these documents will be retained by the University till he/she completes the course. If the candidate fails to produce all or any of the documents listed in annexure - I. He/she will instantaneously forfeit his/ her claim for a seat.

admission procedure

KLE ACADEMY OF HIGHER EDUCATION & RESEARCH, DEEMED UNIVERSITY, BELGAUM

Schedule of Counseling :

53. The candidates in the merit list prepared on the basis of marks obtained by them in Physics, Chemistry & Biology taken together at the UGAIET - 2006 will be called in as per their ranks for counseling & on the spot admission to the various courses & colleges.

54. If any candidate finds it impossible to be physically present for the counseling due to unavoidable circumstances, he/she may authorize any other responsible individual to represent him/her at the counseling. This representative must carry with him/her the letter of authorization in the format given in Annexure - III as well as all the documents listed in Annexure - I. If the candidate or his representative fails to report for the counseling on the date & time mentioned in the schedule of counseling, his/her claim for courses will be forfeited. The choice of course made by the candidate, his / her representative will be final & binding & will not be ordinarily altered later.

55. The selected candidate will be required to pay the entire amount of annual fee on the day of counseling itself. (Through Bank Draft drawn in the name of Registrar, KLE Academy of Higher Education & Research, Deemed University payable at Belgaum). In case the candidate fails to remit the entire amount of fees, he/she is likely to lose his/her claim for admission to that seat.

56. Annual Fee Structure:

Sl. No.	Course	Regular Category	NRI /Foreign
1.	M B B S	Rs. 2,95,000/-	US\$ 17,000/-
2.	B D S	Rs. 1,90,000/-	US\$ 8,000/-

(Indian students under management category will be charged the same fees as that of regular category)

Refund of Fees :

57.1 If a student submits his application for cancellation of admission in a prescribed form duly completed within 15 calendar days from the date of admission to that particular course, 10 % of the total amount of tuition fees prescribed for the course will be deducted from the amount of tuition fee paid by him.

57.2 If a student submits his application for cancellation of admission in a prescribed form duly completed within 30 calendar days from the date of admission to that particular course, 25 % of the total amount of tuition fees prescribed for the course will be deducted from the amount of tuition fee paid by him as administrative & other charges.

57.3 If a student submits his application for cancellation of his admission after 30 calendar days from the date of admission to that particular course no refund of fees will be made.

57.4 Under no circumstances other fees paid by the candidate will be refunded either in part or in full.

57.5 If any student admitted to any of these courses leaves the course at any time after 90 calendar days after the date of his admission to that course in an academic year, he will be required to pay full amount of tuition fees for the remaining entire duration of his course.

58. Hostel facility is available both for boys & girls. The candidates desirous of seeking admission to hostels will have to apply in prescribed form. The hostel fees shall be charged separately.

59. Differences of opinion & disputes arising in the interpretation & implementation of the clauses in the Brochure, if any, will be referred to the Vice-Chancellor of the KLE Academy of Higher Education & Research, Deemed University, Belgaum & his decision shall be final & binding on all the concerned.

60. Under no circumstances a change in examination centre once selected by the candidate will be allowed.

61. Any legal matter arising out of the total admission process of MBBS, BDS through UG All India Entrance Test of KLE Academy of Higher Education & Research, Deemed University, Belgaum - 10 i.e. UGAIET 2006 will be in the courts of BELGAUM, Karnataka State.

recommended syllabus for UGAIET

PHYSICS

Introduction and Measurement :

What is physics, Scope and excitement; Physics in relation to science, society and technology, Need for measurement, system of units - SI, fundamental and derived units. Dimensions and their applications. Orders of magnitude, Accuracy and errors in measurements-random and instrumental errors, Significant figures and rounding off, Graphs, Trigonometric functions, simple ideas of differentiation and integration.

Description of Motion in one dimension :

Objects in motion in one dimension. Motion in a straight line, unit and direction for time and position measurement. Uniform motion, its graphical representation and formulae, speed and velocity, relative velocity, Instantaneous velocity, uniformly accelerated motion, its velocity-time graph, position time graph and formulae. General relation between position and velocity, application to uniformly accelerated motion. Acceleration in general one dimensional motion.

Description of Motion in Two and Three Dimensions :

Vectors and scalars, vectors in two dimensions, general-vector addition and multiplication by a real number, zero-vector and its properties. Resolution of vector in a plane, rectangular components. Scalar and Vector products. Motion in two dimensions, cases of uniform velocity and uniform acceleration-projectile motion, general relation among position velocity-acceleration for motion in a plane-uniform circular motion. Motion of objects in three dimensional space

Laws of Motion :

Force and inertia, first law of motion. Momentum, second law of motion, impulse, some kinds of forces in nature. Third law of motion, conservation of momentum, rocket propulsion. Equilibrium of concurrent forces. Static and kinetic friction, laws of friction, rolling friction, lubrication, inertial and non-inertial frames

Work , Energy and Power :

Work done by a constant force and by a variable force, unit of work, kinetic energy, power, Elastic collision in one and two dimensions, Potential energy, gravitational potential energy, and its conversion to kinetic energy, potential energy of a spring. Different forms of energy equivalence, conservation of energy.

Rotational Motion :

Center of mass of a two particle system, momentum conservation and center of mass motion. Center of mass of rigid body, general motion of a rigid body, nature of rotational motion, rotational motion of a single particle in two dimensions only, torque, angular momentum and its geometrical and physical meaning, conservation of angular moment of inertia, its physical significance, parallel axis and perpendicular axis theorem (statements only).

Gravitation :

Acceleration due to gravity, one dimensional motion under gravity, two dimensional motions under gravity. Inversal law of gravitation, inertia and gravitational mass, variations in the acceleration due to gravity of the earth, orbital velocity, geostationary satellites, gravitational potential energy near the surface of earth, gravitational potential, escape velocity.

Heat and Thermodynamics :

Specific heat, specific heat at constant volume and constant pressure of ideal gas, relation between them, first law of thermodynamics. Thermodynamic state, equation of state and isothermal, pressure-temperature phase diagram. Thermodynamic processes (reversible, irreversible, isothermal, adiabatic). Carnot cycle, second law of Thermodynamics, efficiency of heat engines: Conduction, convection and radiation. Thermal conductivity, black body radiation, Wien's law, Stefan's law, Newton's law of cooling.

Oscillations :

Periodic motion, simple harmonic motion (S.H.M.) and its equation of motion. Oscillations due to a spring, Kinetic energy and potential energy in S.H.M., simple pendulum, physical concepts of forced oscillations, resonance and damped oscillations.

recommended syllabus for UGAJET

Waves :

Wave motion, speed of wave motion, principle of super-positions, reflection of waves, harmonic waves (qualitative treatment only) standing waves and normal modes and its graphical representation. Beats, Doppler effect. Musical scale, acoustics of building.

Electrostatics :

Frictional electricity, charges and their conservation, elementary unit, Coulomb's law, dielectric constant, electric field, electric field due to a point charge, di-pole field and dipoles' behavior in an uniform (2-dimensional) electric field, flux, Gauss's law in simple geometric, Conductors and insulator, presence of free charges and bound charges inside a conductor, Dielectric (concept only), Capacitance (parallel plate) series and parallel, energy and capacitor, high voltage generators, atmospheric electricity.

Current Electricity :

Introduction (flow of current), sources of e.m.f. (cells: simple, secondary, chargeable), electric current resistance of different materials, temperature dependence, thermistor, specific resistivity, colour code of carbon resistance. Ohm's law., Kirchoff's law, resistance in series and parallel, series and parallel circuits, Wehetston's bridge, measurement of voltages and currents and potentiometer.

Thermal and Chemical Effects of Currents :

Electric power, heating effects of current, chemical effects and law of electrolysis, simple concepts of thermoelectricity, thermocouple.

Magnetic Effect of Currents :

Oersted's observation, Biot-Savart's law (magnetic field due to a current element), magnetic field due to a straight wire, circular loop and solenoid. Force on a moving charge in a uniform magnetic field (Lorentz force), cyclotron (simple idea), forces and torque on currents in a magnetic field, forces between two currents, definition of ampere, moving coil galvanometer, ammeter and voltmeter.

Magnetism :

Bar magnet (comparison with a solenoids), lines of force, torque on a bar magnet in a magnetic field, earth's magnetic field, tangent galvanometer, vibration magnetometer, para, di and ferromagnetism (simple idea)

Electromagnetic Induction and Alternating Currents :

Induction e.m.f., Faraday's Law, Lenz's law, induction, self and mutual inductance, alternating currents, impedance and reactance, power in a.c., electrical machines and devices (transformer, induction coil, generators, simple motors, choke and starter).

Electromagnetic Waves (Qualitative Treatment) :

Electromagnetic oscillations, some history of electromagnetic waves (Maxwell, Hertz, Bose, Marconi) Electromagnetic spectrum (radio, micro-waves, infra-red, optical, ultraviolet, X-rays, alpha, beta and gama rays) including elementary facts about their uses and propagation, properties of atmosphere with respect to various parts of electromagnetic spectrum.

Ray Optics and Optical Instruments :

Ray optics as a limiting case of wave optics, reflection, refraction, total internal reflection, optical fiber , curved mirrors, lenses, mirror and lens formulae, Dispersion by a prism, spectrometer and spectra-absorption and emission, scattering, rainbow, Magnification and resolving power, telescope (astronomical), microscope.

Electrons and Photons :

Discovery of electron, e/m for an electron, electrical conduction in gases, particle nature of light, Eienstein's photoelectric equation, photo cells.

Atoms, Molecules and Nuclei :

Rutherford model of the atom, Bhor model, energy quantization, hydrogen spectrum, composition of nucleus, atomic masses, isotopes, size of nucleus, radioactivity, Mass energy relation, nuclear fission and fusion, nuclear holocaust.

Solids and Semiconductor Devices :

Crystal structure - Unit cell, single, poly and liquid crystal (concepts only) Energy bands in solids, conductors, insulators and semi-conductors, PN junction, diodes, junction transistor, diode as rectifier, transistor as a amplifier, and oscillator, logic gate and combination of gates.

recommended syllabus for UGAIET

CHEMISTRY

Atoms, Molecules and Chemical Arithmetic :

Measurement in chemistry (significant figures, SI unit, Dimensional analysis). Chemical classification of matter (mixtures, compounds and elements, and purification). Law of chemical combination and Dalton's Atomic theory. Atomic Mass (mole concept, determination of chemical formulas). Chemical equation (balancing of chemical equation and calculations using chemical equations).

Elements, their Occurrence and extraction :

Earth as a source of elements, elements in biology, Elements in sea, extraction of metals (metallurgical process, production of concentrated ore, production of metals and their purification). Mineral wealth of India, Qualitative 'test of metals.

States of Matter :

Gaseous state (measurable properties of gases, Boyle's Law, Charles' law and absolute scale of temperature, Avogadro's hypothesis, ideal gas equation, Dalton's law of partial pressure). Kinetic molecular theory of gases (the microscopic model of a gas, deviation from ideal behavior).

I The solid state (classification of solids, X-ray studies of crystal lattices and unit cells, packing of constituent particles in crystals). Liquid state (Properties of liquids, Vapour pressure, Surface Tension, Viscosity).

Atomic Structures :

Constituents of the atom (Discovery of electron, nuclear model of the atom).

Electronic structure of atoms (nature of light and electromagnetic waves, atomic spectra, Bohr's model of Hydrogen atom, Quantum mechanical model of the atom, electronic configurations of atoms, Aufbau principle).

Chemical Families - Periodic Properties :

Mendeleev's Periodic Table, Modern Periodic Law, Types of elements (Representative elements-s and p block elements, inner transition elements-d-block transition element-f-block elements). Periodic trends in properties (ionization energy, electron, affinity, atomic radii, valence, periodicity in properties of compounds).

Bonding and Molecular Structure :

Chemical bonds and Lewis structure shapes of molecules (VSEPR Theory). Quantum theory of the covalent 'bond (Hydrogen and some other simple molecules, carbon compounds, hybridization, Boron and Beryllium compounds).

Coordinate covalent bond (Ionic bond as an extreme case of polar covalent bond, ionic character of molecules and polar molecules. Bonding in solid state (Ionic, molecular and covalent solids, metals). Hydrogen bond, Resonance.

Carbons and its compounds :

Elemental carbon, carbon compounds, Inorganic compounds of carbon (Oxides of carbon, halides, carbides). Organic compounds, Nomenclature of organic compounds (Hydrocarbons, functional groups). Some common organic compounds (Alkanes, Alkenes, Alkynes, Alcohols, Aldehydes, Ketones, Halides, Acids, Nitro compounds and amines).

Energetics :

Energy changes during a chemical reaction. Internal energy and Enthalpy (Internal energy, Enthalpy, Enthalpy changes, Origin of Enthalpy change in reaction, Hess's law of constant heat summation, numerical based on these concepts). Heats of reactions (heat of neutralization, heat of combustion, heat of fusion and vapourization). Sources of energy (Conservation of energy sources, pollution associated with consumption of fuels. The sun as the primary source),

What decides the direction of a spontaneous change in a chemical reaction? (an elementary idea of free energy change). Why energy crisis if energy is conserved in nature.

recommended syllabus for UGAJET

Chemical Equilibrium :

Equilibria involving physical changes (solid-liquid-gas equilibria, equilibrium involving dissolution of solid in liquids, gasses in liquids, general characteristics of equilibrium involving physical processes).

Equilibria involving chemical systems (the law of chemical equilibrium, the magnitude of the equilibrium constant, numerical problems). Effect of changing conditions of systems at equilibrium (change of concentration, change of temperature, effect of catalyst-Le Chatelier's principle).

Equilibria involving ions (ionization of electrolytes, weak and strong electrolytes, acid-base equilibrium, various concepts of acids and bases, ionization of water, pH, solubility product, numerical based on these concepts).

Redox Reactions :

Oxidation and reduction as an electron transfer process. Redox reactions in aqueous solution-electro chemical cells. EMF of a galvanic cell. Dependence of EMF on concentration and temperature (nearest equation & numerical problems based on it). Electrolysis, Oxidation numbers (rules for assigning oxidation number, redox reactions in terms of oxidation number and nomenclature). Balancing of oxidation-reduction equations.

Rates of Chemical Reactions :

Rate of reaction : Instantaneous rate of a reaction and order of reaction. Factors affecting rates of reaction (factors effecting rate of collisions encountered between the reactant molecules, effect of temperature on the reaction rate, concepts of activation energy, catalysis). Effect of light on rates of reactions. Elementary reactions as steps to more complex reactions. How fast are chemical reactions.

Chemistry of Heavier Metals :

Iron (occurrence and extraction, compounds of iron, oxides, halides, sulphides, sulphate, alloy and steel. Copper, silver, and gold (occurrence and extraction's properties and uses, compound - sulphides, halides and sulphates, photography).

Zinc and Mercury (occurrence and extraction, properties and uses, compound-oxides, halides, sulphides and sulphates).

Tin and Lead (occurrence and extraction, properties, uses, compounds - oxides, sulphides, halides).

Structure and Shape(s) of Hydrocarbons :

Alkanes (structure, isomerism, conformation)

Stereo Isomerism and chairality (origin of chairality, optical relation, racemic mixture).

Alkenes (isomerism including cis-trans).

Alkynes.

Arenes (structure of benzene, resonance structure, isomerism in arenes).

Preparation and Properties of Hydrocarbons :

Sources of hydrocarbons (origin and composition of coal and petroleum; Hydrocarbons from coal and petroleum, cracking and reforming, quality of gasoline-octane number, gasoline additives).

Laboratory preparation of alkanes (preparation from unsaturated hydrocarbons, alkyl halides and carboxylic acids).

Laboratory preparation of alkenes (preparation from alcohols, alkyl halides).

Laboratory preparation of alkynes (preparation from calcium carbide and acetylene).^x

Physical properties of alkanes (boiling and melting points, solubility and density).

Reactions of hydrocarbons (oxidation, addition, substitution and miscellaneous reactions).

Purification and Characterization of Organic Compounds :

Purification (crystallization, sublimation, distillation, differential extraction, chromatography)

Qualitative analysis (analysis of nitrogen sulphur, phosphorus and halogens)..

Quantitative analysis (estimation of carbon, hydrogen, nitrogen, halogens, sulphur, phosphorus and oxygen).

Determination of molecular mass (Victor Mayer's method, volumetric method).

Calculation of empirical formula and molecular formula.

recommended syllabus for UGAIET

The Molecules of Life

The cell. Carbohydrates (monosaccharides, disaccharides and polysaccharides). Proteins (amino acids, peptide bond, structure of proteins, tertiary structure of proteins and denaturation, enzymes). Nucleic acids (structure, the double helix, biological function of nucleic acid, viruses).

Atomic Structure and Chemical Bonding

Atoms- dual nature of matter and radiation. The Uncertainty principle. Orbitals and Quantum numbers Shapes of orbitals, Electronic configuration of atoms. Molecules : Molecular orbital method. Hybridisation, Dipole moment and structure of molecules.

The Solid State :

Structure of simple ionic compounds. Close-packed structures. Ionic-radii, Silicates (elementary ideas).

Imperfection in solids (point defects only). Properties of solids. Amorphous solids.

The Gaseous state :

Ideal gas equation-kinetic theory (fundamentals only)

Solutions :

Types of solution, Vapor-pressure of solutions and Raoult's law. Colligative properties.

Non-ideal solutions and abnormal molecular masses. Mole concept-stoichiometry, volumetric analysis, concentration unit.

Chemical thermodynamics

First law of thermodynamics : Internal energy, Enthalpy, application of first law of thermodynamics

Second law of thermodynamics : Entropy, Free energy, Spontaneity of a chemical reaction, free energy change and chemical equilibrium, free energy as energy available for useful work.

Third law of thermodynamics.

Electrochemistry :

Electrolytic conduction. Voltage cell, Electrode potential and Electromotive force, Gibb's free energy and cell potential. Electrode potential and Electrolysis. Primary cells including fuel cells. Corrosion.

Chemical Kinetics :

Rate expression. Order of reaction (with suitable examples). Units of rate and specific rate constants. order of reaction and concentration, (study will be confined to first order only). Temperature dependence of rate constant - Fast reactions (only elementary idea). Mechanism of reaction (only elementary idea). Photo chemical reactions

Organic Chemistry Based on Functional Group-I

(Halides and Hydroxy compounds)

Nomenclature of compounds containing halogen atoms and hydroxyl groups : haloalkanes, haloarenes; alcohols and phenols.

Correlation of physical properties and uses. Preparation, properties and uses of following: Polyhalogen compounds : Chloroform, iodoform
Polyhydric compounds. Ethane 1,2-diol; Propane-1,2,3 triol.

Structure and reactivity-(a) Induction effect, (b) Mesomeric effect, (c) Electrophiles and Nucleophiles

Organic Chemistry Based on Functional Group-II :

(Ethers, aldehydes, ketones, carboxylic acids and their derivatives). Nomenclature of ethers, aldehydes, ketones, carboxylic acids and their derivatives, (acylhalides, acid anhydrides, amides and esters).

General methods of preparation, correlation of physical properties with their structure, chemical uses.

(Note : Specific compounds should not be stressed for the purpose of evaluation)

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Organic Chemistry Based on Functional Groups-III :

(Cyanides, isocyanides, nitrocompounds and amines)

Nomenclature of cyanides and isocyanides; nitro compounds and amines and their methods of preparation, correlation of physical properties with structure, chemical reactions and uses.

Chemistry of Representative Elements :

Periodic properties-Trends in groups and periods (a) Oxides-nature (b) Halides-melting points (c) Carbonates and Sulphates-sikyvukutt, The chemistry of s and p block elements, electronic configuration, general characteristic properties and oxidation states of the following:

Group 1 elements - Alkali metals

Group 2 elements - Alkaline earth metals

Group 13 elements - Boron family Group

14 elements - Carbon family Group

15 elements - Nitrogen family Group

16 elements - Oxygen family Group

17 elements - Halogen family Group

18 elements - Noble gases and Hydrogen.

Transition Metals including Lanthanides:

Electronic configuration : General characteristic properties, oxidation states of transition metals. First row transition metals and general properties of their compounds-oxides, halide and sulphides.

General properties of second and third row transition elements (Group wise discussion). Preparation of Potassium dichromate, Potassium permanganate.

Inner transition elements : General discussion with special reference to oxidation states and Lanthanide contraction.

Coordination Chemistry and Organo Metallics :

Coordination compounds. Nomenclature : Isomerism in coordination compounds; Bonding in coordination compounds; Stability of coordination compounds; application of coordination compounds; Compounds containing metal-carbon bond; Application of organometallics.

Nuclear Chemistry :

Nature of radiation from radioactive substances. Nuclear structure and nuclear properties.

Nuclear reactions; Radioactive disintegration series; Artificial transmutation of elements; Nuclear fission and Nuclear fusion : Isotopes and their uses; Radio carbon-dating; Synthetic elements.

Synthetic and Natural Polymers :

Classification of Polymers, natural and synthetic polymers (with stress on their general methods of preparation) and important uses of the Teflon, PVC, Polystyrene, Nylon-66, terylene

Environmental pollution - pollutants - services - check and alternatives.

Surface Chemistry

Surfaces : Adsorption

Colloids - (Preparation and general properties) Emulsions, Micelles.

Catalysis : Homogenous and heterogeneous, structure of catalyst.

Bio Molecules :

Carbohydrates : Monosaccharides, Disaccharides, Polysaccharides.

Amino Acids and Peptides-Structure and classification.

Proteins and Enzymes-Structure of Proteins, Role of enzymes.

Nucleic Acids-DNA and RNA

Biological functions of Nucleic acids-Protein synthesis and replication.

Lipids-Structure, membranes and their functions.

Chemistry of Biological Process

Carbohydrate and their Metabolism, Hemoglobin blood and respiration; Immune system; Vitamins and hormones. Simple idea of chemical evolution.

Chemistry in Action

Dyes, chemicals in medicines, Rocket propellents. (Structural formulae non-evaluative)

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BIOLOGY

The Living World

Nature and scope of Biology. Methods of Biology. Our place in the universe. Laws that govern the universe and life. Level of organisation. Cause and effect relationship.

Being alive. What does it mean? Present approach to understand life processes : molecular approach; life as an expression of energy; steady state and homeostasis; self duplication and survival, adaptation; death as a positive part of life. An attempt to define life in the above.

Origin of life and its maintenance. Origin and diversity of life. Physical and chemical principles that maintain life processes, the living crust and interdependence. The positive and negative aspects of progress in biological sciences. The future of the living world, identification of human responsibility in shaping our future.

Cell as a unit of life. Small biomolecules; water, minerals, mono and oligosaccharides, lipids, amino acids, nucleotides and their chemistry, cellular location and function. Macromolecules in cells - their chemistry, Cellular location and functional significance. Polysaccharides, proteins and nucleic acids. Enzymes; chemical nature, classification, mechanism in action-enzyme complex, allosteric modulation (brief), irreversible activation, Biomembranes. Fluid mosaic model of membrane in transport recognition of external information (brief). Structural organisation of the cell; light and electron microscopic views of cell, its organelles and their functions; Nucleus mitochondria, chloroplasts, endoplasmic reticulum. Golgi complex, Lysosomes, microtubules, cell wall, cilia and flagella, vacuoles, cell inclusion. A general account of cellular respiration. Fermentation, biological oxidation (a cycle outline), mitochondrial electron transport chain, high energy bonds and oxidative phosphorylation, cell reproduction; Process of mitosis and meiosis.

Diversity of Life :

Introduction : The enormous variety of living things, the need for classification to cope with this variety, taxonomy and phylogeny; shortcomings of a two kingdom classification as plants and animals; a five kingdom classification. Monera, Protista, Plantae, Fungi and Animalia. The basic features of five kingdom classification, modes of obtaining nutrition-autotrophs and heterotrophs. Life styles : producers, consumers and decomposers, Unicellularity and multicellularity phylogenetic relationships. Concepts of species, taxon and categories hierarchical levels of classification; binomial nomenclature; principles of classification and nomenclature; identification and nature of viruses and bacteriophages and organisms kingdom Monera-archaeobacteria - life in extreme environments, Bacteria, actinomycetes, Cyanobacteria. Examples to illustrate autotrophic and heterotrophic life style; mineralizer - nitrogen fixers; Monera in cycling matter, symbiotic forms; disease producers. Kingdom Protista-Eucaryon, Unicellular organisms; development of flagella and cilia; beginning of mitosis; syngamy and sex. Various lifestyles shown in the major phyla. Evolutionary precursors of complex life forms. Diatoms, dinoflagellates, slime moulds, protozoans; symbiotic forms. Plant kingdom-complex autotrophs, red brown and green algae; conquest of land, bryophytes, ferns, gymnosperms and angiosperms. Vasculization; development of flower, fruit and seed, Kingdom fungi-lower fungi (Zygomycetes) higher fungi; (Ascomycetes and Basidiomycetes, the importance of fungi Decomposers; parasitic forms; lichens and mycorrhizae, animal kingdom-animal body pattern and symmetry, the development of body cavity in invertebrate, vertebrate phyla. Salient feature with reference to habitat and example of phylum porifera, coelenterata, helminths, annelids, mollusca, arthropoda, ethnozoans; chordata-(classes fishes amphibians, reptiles, birds and mammal) highlighting major characters.

Organism and Environment :

Species : Origin and concept of species population; interaction between environment and population community. Biotic community, interaction between different species, biotic stability, changes in the community - succession, Ecosystem; Interaction between biotic and abiotic components; major ecosystems, man made ecosystem-Agroecosystem. Biosphere; flow of energy, trapping of solar energy, energy pathway, food chain, food web, biogeochemical cycles, calcium and sulphur, ecological imbalance and its consequences. Conservation of natural resources; renewable and non-renewable (in brief). Water and land management, wasteland development. Wild life and forest conservation; causes for the extinction of some wild life, steps taken to conserve the remaining species, concept of endangered species-Indian examples, conservation of forest; Indian forests, importance of forests, hazards of deforestation, afforestation. Environmental pollution; air and water pollution, sources, major pollutants of big cities of our country, their effects and methods of control, pollution due to nuclear fallout and waste disposal, effect and control, noise pollution; sources and effects.

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Multicellularity : Structure and Function - Plant Life

Form and function. Tissue system in flowering plants; meristematic and permanent. Minerals nutrition-essential elements, major functions of different elements, passive and active uptake of minerals. Modes of nutrition, transport of solutes and water in plants, Photosynthesis; photochemical and biosynthetic phases, diversity in photosynthetic pathways, photosynthetic electron transport and photophosphorylation, photorespiration. Transpiration and exchange of gases. Stomatal mechanism. Osmoregulation in plants; water relations in plant cells, water potential. Reproduction and development in Angiosperms plants; asexual and sexual. Structure and functions of flower : development of male and female gametophytes in angiosperms, pollination, fertilization and development of endosperm, embryo seed and fruit. Differentiation and organ formation. Plant hormones and growth regulation; Action of plant hormones in relation to seed dormancy and germination, apical dominance, senescence and abscission. Applications of synthetic growth regulators. A brief account of growth and movement in plants, rhotomorphogenesis in plants including a brief account of phytochrome.

Multicellularity : Structure and Function - Animal Life

Animal tissues, epithelial, connective, muscular, nerve. Animal nutrition; organs of digestion and digestive process, nutritional requirements for carbohydrates, proteins, fats, minerals and vitamins : nutritional imbalances and deficiency diseases. Gas exchange and transport : Pulmonary gas exchange and organs involved, transport of gases in blood, gas exchange in aqueous media. Circulation : closed and open vascular systems, structure and pumping action of heart, arterial blood pressure, lymph. Excretion and osmoregulation. Ammonotelism, Ureotelism, uricotelism, excretion of water and urea with special reference to man. Role of kidney in regulation of plasma, osmolarity on the basis of nephron structure, skin and lung in excretion. Hormonal coordination; hormones of mammals, role of hormones as messengers and regulators. Nervous coordination , central autonomic and peripheral nervous systems, receptors, effectors, reflex action, basic physiology of special senses, integrative 'control by neuroendocrinal systems. Locomotion; joints, muscle movements, types of skeletal muscles according to types of movement, basic aspects of human skeleton. Reproduction; human reproduction, female reproductive cycles. Embryonic development in mammals (upto three germs layers), growth, repair and ageing.

Continuity of Life :

Heredity and variation : Introduction, Mendel's experiments with peas and idea of factors. Mendel's law of inheritance. Genes : Packaging of heredity material in prokaryotes-bacterial chromosome; plasmid and eukaryote chromosomes, Extranuclear genes, viral genes. Linkage (genetic) maps. Sex determination and sex linkage. Genetic material and its replication, gene manipulation. Gene expression; genetic code, transcription, translation, gene regulation. Molecular basis of differentiation.

Origin and Evolution of Life

Origin of life : Living and non-living, chemical evolution, organic evolution; Oparin ideas, Miller-Urey experiments. Interrelationship among living organisms and evidences of evolution fossil records including geological time scale, Morphological evidence - homology, vestigial organs, embryological similarities and biogeographical evidence.

Darwin's two major contributions. Common origin of living organisms and recombination as sources of variability, selection acts upon variation, adaptation (Lederberg's replica plating experiment for indirect selection of bacterial mutants), reproductive isolation, speciation. Role of selection change and drift in determining composition of population. Selected examples : industrial melanism; drug resistance, mimicry, malaria in relation to G-6-PD deficiency and sickle cell disease. Human evolution : Paleontological evidence, man's place among mammals. B idea of Dryopithecus, Australopithecus, homo erectus, H. neanderthalensis, Cromagnon man and homo sapiens, Human chromosomes, similarity in different racial groups. Comparison with chromosomes of non-human primates to indicate common origin; Cultural vs. biological evolution.

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Application of Biology :

Introduction, Role of Biology in the amelioration of human problems. Domestication of plant-a historical account, improvement of crop plants; Principles of plant breeding and plant introduction. Use of fertilizers t economic and ecological aspects.

Use of pesticides : advantages and hazards. Biological methods of pest control. Crops today. Current concerns, gene pools and genetic conservation. Underutilized crops with potential uses for oilseeds, medicines, beverages, spices, fodder. New crops-Leucaena (Subabul), jojoba, Guayule, winged bean, etc. Biofertilisers-green manure, crop residues and nitrogen fixation (symbiotic, non symbiotic).

Applications of tissue culture and genetic engineering in crops. Domestication and introduction of animals. Livestock, poultry, fisheries (fresh water, marl aquaculture). Improvement of animals; principles of animal breeding. Major animals diseases and their conti Insects and their products (silk, honey, wax and lac). Bioenergy-biomass, wood (combustion, gasification, ethanol Cow dung cakes, gobar gas, plants as sources of hydrocarbons for producing petroleum, ethanol from starch and lignocellulose. Biotechnology, a brief historical account- manufacture of cheese, yogurt, alcohol, yeast, vitamins, organic acids, anti-biotics, steroids, dextrans. Scaling up laboratory findings to industrial production. Production of insulin, human growth hormones, interferon. Communicable diseases including STD and diseases spread through blood transfusion (hepatitis, AIDS, etc) immune response, vaccines and antisera. Allergies and inflammations, Inherited diseases and sex-linked diseases, genetic Incompatibilities, and genetic counseling, Cancer-major types., causes, diagnosis and treatment. Tissue and organ transplantation. Community health services and measures. Blood banks. Mental health, smoking, alcoholism and drug addiction-physiological symptoms and control measures. Industrial wastes, toxicology, pollution-related diseases. Biomedical engineering spare parts for man, instruments for diagnosis of diseases and care. Human population related diseases. Human population growth problems and control, inequality between sexes-control measures; test-tube babies amniocentesis. Future of Biology.

list of documents

Annexure - I

List of Documents required while reporting for Counseling :

At the time of counseling, you are required to produce the following documents in original; failure to do so will result in instantaneous cancellation of your claim for admission. You are also required to submit two attested photocopies of each of these documents.

1. Your letter for Counseling.
2. For a Proof of date of Birth : SSLC/SSC Certificate or School/College Leaving Certificate or Certificate of Domicile/Nationality Certificate.
3. Statement of marks of SSLC/X std examination.
4. Statement of marks of PUC II /XII std examination or its equivalent.
5. Transfer Certificate from the Institution in which you had studied last.
6. Caste Certificate (in case of candidates of reservation category).
7. Caste validity certificate issued by appropriate authority (in case of candidates of reservation category).
8. Migration Certificate (for students who joined a course after 12th).
9. Conduct and Character Certificate from a responsible person.
10. Certificate of Medical Fitness, (as per Annexure IV).
11. An affidavit in the format (as per Annexure- II), signed by you and countersigned by your parent/guardian in the presence of Notary Public on a stamp paper.
12. Six recent passport-size photographs with your names written on backside.
13. The amount of fees and Hostel fees (in case you are admitted to Hostel).

affidavit format**Annexure - II**

I, son/daughter of hereby solemnly affirm that the following statements made by me are true to the best of my knowledge and belief that,

- A) I am a citizen of India.
- B) I have completed 17 years of age/will be completing 17 years of age on
- C) I have studied class 12th in India and have passed a qualifying examination in the subjects of Physics, Chemistry and Biology individually and have obtained 50% (40% for reservation category) marks together in those subjects and I have also Passed in the subject of English with 50 % of marks.
- D) I have studied and understood the rules governing counseling, admission, procedure, fee structure and agree to abide by these rules.
- E) If admitted to any of the Institutions of the KLE Academy of Higher Education & Research, Deemed University Belgaum, I will abide by all its rules and regulations, especially those regarding discipline, attendance, examinations and payment of fees. I understand that failure to comply with the rules and regulations will invite an appropriate disciplinary action from the University / Institutional authorities.
- F) I will not involve myself in any action of ragging during the course of my education in this University. I understand that involvement in ragging is a cognisable offence and it will result in police action and would result into cancellation of my admission to the course.

Name of the candidate :

Date :

Place :

Signature of the candidate

I,.....the father/mother/guardian of an applicant for admission to course at KLE Academy of Higher Education & Research, Deemed University Belgaum, hereby solemnly affirm that all the above statements made by son/daughter /ward are true to the best of my knowledge and belief. I will be responsible for the payment of his/her fees on time and for his/her conduct.

Name of the parent/guardian

Relationship to candidate

Date :

authorization for representative

Annexure - III

Authorisation For Representative

I,.....
 son /daughter of..... being unable to
 attend the counseling session for admission to the M.B.B.S. / B.D.S. course in KLE Academy of
 Higher Education & Research, Deemed University Belgaum, onhereby authorise
 Son/daughter of whose
 photograph is affixed below and who will sign as shown below, to represent me at the counseling
 and on-the-spot-admission. I hereby declare that the choice of course made by this authorised
 representative will be irrevocable and that it will be final and binding on me. This authorised
 representative will present all the necessary documents, pay the appropriate fees and complete all
 the necessary formalities on my behalf.

Name of the candidate:(IN CAPITAL LETTERS)

Rank No. :

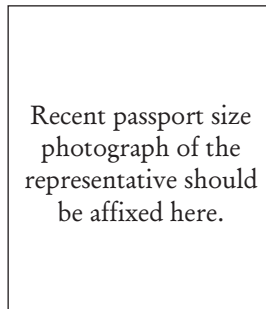
Place :

Date :

Reason for absence:

Signature of the candidate's Parent/Guardian

Signature of the Candidate



Specimen signature of the Representative

certificate of medical fitness

Annexure - IV

A candidate must be medically fit to undergo the professional course applied for. The medical fitness must be certified by a Registered Medical Practitioner in the prescribed proforma, as given below on a Letterhead :

CERTIFICATE OF MEDICAL FITNESS

This is to certify that I have conducted clinical examination of

Mr./Ms.....

who is desirous of admission to Health Sciences courses.He/She has not given any personal history of any disease incapacitating him/her to undergo the professional course. Also, on clinical examination it has been found that he/she is medically fit to undergo the professional course.

Certified further, that he/she has not shown any evidence of major defects of posture, locomotion, vision, hearing or any other systemic disorder.Though, following deviations have been revealed, in my opinion, these are not impediments to pursue a career as a Medical / Dental Profession(Strike, which is not applicable).

1.

2.

3.

Address of the Registered Medical Practitioner

Signature :

Name :

Registration No. :

Seal of Registered Medical Practitioner

Date : / / 200

ANSWERS

1	(A)	(B)	(C)	(D)	51	(A)	(B)	(C)	(D)	101	(A)	(B)	(C)	(D)	151	(A)	(B)	(C)	(D)
2	(A)	(B)	(C)	(D)	52	(A)	(B)	(C)	(D)	102	(A)	(B)	(C)	(D)	152	(A)	(B)	(C)	(D)
3	(A)	(B)	(C)	(D)	53	(A)	(B)	(C)	(D)	103	(A)	(B)	(C)	(D)	153	(A)	(B)	(C)	(D)
4	(A)	(B)	(C)	(D)	54	(A)	(B)	(C)	(D)	104	(A)	(B)	(C)	(D)	154	(A)	(B)	(C)	(D)
5	(A)	(B)	(C)	(D)	55	(A)	(B)	(C)	(D)	105	(A)	(B)	(C)	(D)	155	(A)	(B)	(C)	(D)
6	(A)	(B)	(C)	(D)	56	(A)	(B)	(C)	(D)	106	(A)	(B)	(C)	(D)	156	(A)	(B)	(C)	(D)
7	(A)	(B)	(C)	(D)	57	(A)	(B)	(C)	(D)	107	(A)	(B)	(C)	(D)	157	(A)	(B)	(C)	(D)
8	(A)	(B)	(C)	(D)	58	(A)	(B)	(C)	(D)	108	(A)	(B)	(C)	(D)	158	(A)	(B)	(C)	(D)
9	(A)	(B)	(C)	(D)	59	(A)	(B)	(C)	(D)	109	(A)	(B)	(C)	(D)	159	(A)	(B)	(C)	(D)
10	(A)	(B)	(C)	(D)	60	(A)	(B)	(C)	(D)	110	(A)	(B)	(C)	(D)	160	(A)	(B)	(C)	(D)
11	(A)	(B)	(C)	(D)	61	(A)	(B)	(C)	(D)	111	(A)	(B)	(C)	(D)	161	(A)	(B)	(C)	(D)
12	(A)	(B)	(C)	(D)	62	(A)	(B)	(C)	(D)	112	(A)	(B)	(C)	(D)	162	(A)	(B)	(C)	(D)
13	(A)	(B)	(C)	(D)	63	(A)	(B)	(C)	(D)	113	(A)	(B)	(C)	(D)	163	(A)	(B)	(C)	(D)
14	(A)	(B)	(C)	(D)	64	(A)	(B)	(C)	(D)	114	(A)	(B)	(C)	(D)	164	(A)	(B)	(C)	(D)
15	(A)	(B)	(C)	(D)	65	(A)	(B)	(C)	(D)	115	(A)	(B)	(C)	(D)	165	(A)	(B)	(C)	(D)
16	(A)	(B)	(C)	(D)	66	(A)	(B)	(C)	(D)	116	(A)	(B)	(C)	(D)	166	(A)	(B)	(C)	(D)
17	(A)	(B)	(C)	(D)	67	(A)	(B)	(C)	(D)	117	(A)	(B)	(C)	(D)	167	(A)	(B)	(C)	(D)
18	(A)	(B)	(C)	(D)	68	(A)	(B)	(C)	(D)	118	(A)	(B)	(C)	(D)	168	(A)	(B)	(C)	(D)
19	(A)	(B)	(C)	(D)	69	(A)	(B)	(C)	(D)	119	(A)	(B)	(C)	(D)	169	(A)	(B)	(C)	(D)
20	(A)	(B)	(C)	(D)	70	(A)	(B)	(C)	(D)	120	(A)	(B)	(C)	(D)	170	(A)	(B)	(C)	(D)
21	(A)	(B)	(C)	(D)	71	(A)	(B)	(C)	(D)	121	(A)	(B)	(C)	(D)	171	(A)	(B)	(C)	(D)
22	(A)	(B)	(C)	(D)	72	(A)	(B)	(C)	(D)	122	(A)	(B)	(C)	(D)	172	(A)	(B)	(C)	(D)
23	(A)	(B)	(C)	(D)	73	(A)	(B)	(C)	(D)	123	(A)	(B)	(C)	(D)	173	(A)	(B)	(C)	(D)
24	(A)	(B)	(C)	(D)	74	(A)	(B)	(C)	(D)	124	(A)	(B)	(C)	(D)	174	(A)	(B)	(C)	(D)
25	(A)	(B)	(C)	(D)	75	(A)	(B)	(C)	(D)	125	(A)	(B)	(C)	(D)	175	(A)	(B)	(C)	(D)
26	(A)	(B)	(C)	(D)	76	(A)	(B)	(C)	(D)	126	(A)	(B)	(C)	(D)	176	(A)	(B)	(C)	(D)
27	(A)	(B)	(C)	(D)	77	(A)	(B)	(C)	(D)	127	(A)	(B)	(C)	(D)	177	(A)	(B)	(C)	(D)
28	(A)	(B)	(C)	(D)	78	(A)	(B)	(C)	(D)	128	(A)	(B)	(C)	(D)	178	(A)	(B)	(C)	(D)
29	(A)	(B)	(C)	(D)	79	(A)	(B)	(C)	(D)	129	(A)	(B)	(C)	(D)	179	(A)	(B)	(C)	(D)
30	(A)	(B)	(C)	(D)	80	(A)	(B)	(C)	(D)	130	(A)	(B)	(C)	(D)	180	(A)	(B)	(C)	(D)
31	(A)	(B)	(C)	(D)	81	(A)	(B)	(C)	(D)	131	(A)	(B)	(C)	(D)	181	(A)	(B)	(C)	(D)
32	(A)	(B)	(C)	(D)	82	(A)	(B)	(C)	(D)	132	(A)	(B)	(C)	(D)	182	(A)	(B)	(C)	(D)
33	(A)	(B)	(C)	(D)	83	(A)	(B)	(C)	(D)	133	(A)	(B)	(C)	(D)	183	(A)	(B)	(C)	(D)
34	(A)	(B)	(C)	(D)	84	(A)	(B)	(C)	(D)	134	(A)	(B)	(C)	(D)	184	(A)	(B)	(C)	(D)
35	(A)	(B)	(C)	(D)	85	(A)	(B)	(C)	(D)	135	(A)	(B)	(C)	(D)	185	(A)	(B)	(C)	(D)
36	(A)	(B)	(C)	(D)	86	(A)	(B)	(C)	(D)	136	(A)	(B)	(C)	(D)	186	(A)	(B)	(C)	(D)
37	(A)	(B)	(C)	(D)	87	(A)	(B)	(C)	(D)	137	(A)	(B)	(C)	(D)	187	(A)	(B)	(C)	(D)
38	(A)	(B)	(C)	(D)	88	(A)	(B)	(C)	(D)	138	(A)	(B)	(C)	(D)	188	(A)	(B)	(C)	(D)
39	(A)	(B)	(C)	(D)	89	(A)	(B)	(C)	(D)	139	(A)	(B)	(C)	(D)	189	(A)	(B)	(C)	(D)
40	(A)	(B)	(C)	(D)	90	(A)	(B)	(C)	(D)	140	(A)	(B)	(C)	(D)	190	(A)	(B)	(C)	(D)
41	(A)	(B)	(C)	(D)	91	(A)	(B)	(C)	(D)	141	(A)	(B)	(C)	(D)	191	(A)	(B)	(C)	(D)
42	(A)	(B)	(C)	(D)	92	(A)	(B)	(C)	(D)	142	(A)	(B)	(C)	(D)	192	(A)	(B)	(C)	(D)
43	(A)	(B)	(C)	(D)	93	(A)	(B)	(C)	(D)	143	(A)	(B)	(C)	(D)	193	(A)	(B)	(C)	(D)
44	(A)	(B)	(C)	(D)	94	(A)	(B)	(C)	(D)	144	(A)	(B)	(C)	(D)	194	(A)	(B)	(C)	(D)
45	(A)	(B)	(C)	(D)	95	(A)	(B)	(C)	(D)	145	(A)	(B)	(C)	(D)	195	(A)	(B)	(C)	(D)
46	(A)	(B)	(C)	(D)	96	(A)	(B)	(C)	(D)	146	(A)	(B)	(C)	(D)	196	(A)	(B)	(C)	(D)
47	(A)	(B)	(C)	(D)	97	(A)	(B)	(C)	(D)	147	(A)	(B)	(C)	(D)	197	(A)	(B)	(C)	(D)
48	(A)	(B)	(C)	(D)	98	(A)	(B)	(C)	(D)	148	(A)	(B)	(C)	(D)	198	(A)	(B)	(C)	(D)
49	(A)	(B)	(C)	(D)	99	(A)	(B)	(C)	(D)	149	(A)	(B)	(C)	(D)	199	(A)	(B)	(C)	(D)
50	(A)	(B)	(C)	(D)	100	(A)	(B)	(C)	(D)	150	(A)	(B)	(C)	(D)	200	(A)	(B)	(C)	(D)

SPECIMEN ANSWER SHEET

KLE ACADEMY OF HIGHER EDUCATION & RESEARCH

DEEMED UNIVERSITY, BELGAUM.

UG ALL INDIA ENTRANCE TEST - UGAIET - 2006
FOR ADMISSION TO MBBS & BDS COURSES

APPLICATION FORM

Form No.

0001

Exam Code

001

- MACHINE READABLE FORM.
- To be filled in **BLOCK CAPITAL** Handwriting only.
- PLEASE READ THE INSTRUCTIONS GIVEN IN THE PROSPECTUS BEFORE FILLING IN THE FORM.
- IF NOT FILLED, AS PRESCRIBED, THE FORM WILL NOT BE ACCEPTED

1. Candidate's Name : (As given in class SSLC / 10th Certificate)

M A H E S H S H A M B U P A T I L

2. Sex

Male

Female

3. Date of Birth

2 6
D D

0 2
M M

1 9 8 0
Y Y Y Y

4. Candidate's Signature

mshatil

5. Candidate's Photo

Do not staple or pin the photograph.
Please paste it in given area

6. Address for Communication

F / 1 , F I R S T F L O O R , " T O R A N S A

N K U L " , D M R O A D , T I L A K W A D I ,

B E L G A U M

SPECIMEN APPLICATION FORM

Category :

S.C.

S.T.

Open

7. State

K A R N A T A K A

8. Pin

5 9 0 0 0 6

11. Communication

0 8 3 1
STD Code

4 2 0 1 5 7 7
Phone

4 2 0 1 9 7 7
Fax

12. Year of Passing

SSLC/SSC/10th Std 2 0 0 3

PUCII/HSC/10+2 Std. 2 0 0 5

Appearing

Total marks

Out of

0 6 4 7

0 7 5 0

PCB marks

Out of

2 8 0

3 0 0

13. Details of Demand Draft

D. D. No.

0 1 7 1 7 6 9

Amount in Rs.

1 0 0 0

Date of Issue

2 7 0 4 2 0 0 6
D D M M Y Y Y Y

9. Choice of Centre

Belgaum

Bangalore

Pune

Ahmedabad

New Delhi

Hyderabad

10. Subjects Offered in PUC II / 12th Std.

English

Physics

Chemistry

Biology

Mathematics

Name of the Bank

S Y N D I C A T E B A N K B E L G A U M

E-Mail (if any)

m s p @ r e d i f f m a i l . c o m

1. Name of the school/college from which the candidate has passed / appeared for PUC II / HSC /12th Std. exam along with its full address (Place, District, State)

R	L	S	C	I	E	N	C	E	I	N	S	T	I	T	U	T	E																							

District

B	E	L	G	A	U	M			
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 State

K	A	R	N	A	T	A	K	A		
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Phone

			0	8	3	1		2	4	7	3	7	7	7
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2. Name and Address of Parent's / Guardian's :

Name

S	H	A	M	B	U	R	A	M	A	P	A	T	I	L																								
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Address

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D	M	R	O	A	D	,	T	I	L	A	K	V	A	D	I	,	B	E	L	G	A	U	M																
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3. Declaration - I

- a) I hereby declare that the above information is true and complete to the best of my knowledge. I am aware that if any information herein is found to be incorrect or incomplete, my application form will be rejected / admission will be cancelled.
- b) If admitted to any of the college of KLE Academy of Higher Education & Research, Deemed University, Belgaum, I shall abide by its Rules & Regulations.
- c) I have read and understood all the provisions contained in the brochure and hereby agree to abide by these provisions.
- d) I am aware that, any legal matters arising out of the total admission process of MBBS, BDS Course through UG All India Entrance Test of KLE Academy of Higher Education & Research, Deemed University, Belgaum-10. i.e. UGAIET-2006 will be in the courts of Belgaum.

m spatil

Signature of the Candidate

4. Declaration - II

I, the parent / guardian of the applicant hereby declare that I am aware of the financial obligation of admitting my child / ward to the colleges of KLE Academy of Higher Education & Research, Deemed University, Belgaum. I agree to pay the tuition and other fees payable to the institution as fixed from time to time as per the rules. I also affirm and endorse the declaration made above by my child / ward.

Place : S. R. Patil

Date : **Signature of Parent/ Guardian**

Parent's / Guardian's Name :

S	H	A	M	B	U	R	A	M	A	P	A	T	I	L																								
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FOR OFFICE USE ONLY

Entrance Test Fee Rs.

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 DD No.

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 Receipt No.

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UGAIET - 2006**DESIGNATED CENTRES**

- BELGAUM ● BANGALORE ● PUNE
- NEW DELHI ● AHMEDABAD
- HYDERABAD

Note : The exact addresses of Entrance Test Centres will be intimated through Test Admission Ticket (Hall Ticket).

Admission Office:

Registrar,
KLE Academy of Higher Education & Research Deemed University,
 JNMC Campus, Nehru Nagar,
 BELGAUM - 590 010. Karnataka, INDIA.
 Phone : 0831 - 2472777 Fax : 0831 - 2493777
 web : <http://www.jnmc.edu> E-mail : dome@jnmc.edu

The application form with Information Brochure for this Test can be had across the counter on Cash or DD at the following addresses and also at respective colleges.

BANGALORE**S. NIJALINGAPPA COLLEGE,**

II Block, Rajajinagar,
 Bangalore - 590 010.
 Tel. : 080 - 23325020

NEW DELHI**BASAVA INTERNATIONAL SCHOOL**

Site No. 1, Sector 23, Dwaraka,
 New Delhi - 110 075
 Tel. : 011 - 55251493

PUNE**PUNE INSTITUTE OF COMPUTER TECHNOLOGY**

S. No. 27, Dhanakwadi, Pune-Satara Road,
 Pune - 411 043.
 Phone : 020-24378063

AHMEDABAD**KAHE-UGAIET OFFICE**

Bharatiya Education Consultancy,
 T/2-3, Ashirwad Complex, Near Usmanapura
 Circle, Ashram Road,
 Ahmedabad - 380 014.
 Tel. : 079-55457193

APPLICATION FEE - Rs. 500/-
ENTRANCE TEST FEE - Rs. 1000/-

CALENDER OF EVENTS

A) Last date for submitting the completed application form along with requisite fee to KLE Academy of Higher Education & Research, Deemed University, Belgaum.	Monday the 15th May 2006 by 5-00 p.m.
B) Despatch of Admission Cards to Candidates who are found provisionally eligible	After receipt of Application
C) Issue of Duplicate Admission Cards to those candidates, who have not received the same till 25th May 2006	Friday, the 26th May 2006 onwards at respective Centres
D) Date & Time of Common Entrance Test	Saturday, the 27th May 2006 between 10 a.m. to 1 p.m.
E) Test Centres	Belgaum, Bangalore, Pune, New Delhi, Ahmedabad, Hyderabad.
F) Declaration of Results / Despatch of Letters for Counseling to the candidates in the Merit List	This shall be intimated through our website
G) Counseling Schedule	-----do-----
H) Colleges to open on	Tuesday, the 1st August 2006

NOTE : Admission form along with Demand Draft of Rs. 1,000/- payable at BELGAUM drawn on Any Nationalised Bank in favour of '**Registrar, KLE Academy of Higher Education & Research, Deemed University, Belgaum**' duly filled in and sent by the post or submitted in person must reach the Registrar's Office of the KLE Academy of Higher Education & Research, Deemed University, Belgaum on or before **15th May 2006 by 5-00 p.m.**

Applicant should ensure that :

- 1) He / She has signed the Application Form at the places specified for the purpose.
- 2) The Application Form is duly signed by his/her parent / guardian.
- 3) Recent passport size photographs duly attested by Head of the College or a Gazetted Officer have been pasted in the spaces for that purpose and 2 extra copies of recent passport size photographs is attached.
- 4) Counseling letters will be sent to the candidate as per the Merit List declared by the university.
- 5) Those who fail to receive counseling letter for whatsoever reasons, must attend to counseling as per their Merit List Number and the schedule given on the website. Such candidates must bring with them some proof of identity and proof of appearing to UGAIET - 2006 to attend the counseling.

salient features

- A premier university imparting quality education of global standards offering in all 55 programmes from Graduate to Post Graduate to Post Doctoral courses in Medical and Dental Sciences.
- Meticulously planned campus spread over 113 acres with greenery and gardens around.
- Student community from all over India; UK, USA, CANADA, AFRICA, MIDDLE EAST, MALAYSIA, IRAN....a global village in perfect academic, social and spiritual harmony.
- Over 5,000 MBBS Graduates and over 1,000 Post-Graduate on almatmater of JNMC & over 600 BDS, 200 MDS on almatmater of the college.
- Our strength is our teaching staff, over 500 in number, is a team of highly qualified, highly experienced, highly dedicated and motivated achievers of national and international maturity.
- Attached state of the art 1000 bedded KLE Hospital & Medical Research Centre and 850 bedded free block of the Hospital and 3 Rural PHC's exposing students to corporate, urban and rural medical practices.
- College Library-35,000 Sq.ft., 6 reading rooms accommodating 1,000 students at a time, 25,000 books, 250 periodicals and a unique Digital Library Online.
- Academic atmosphere is inspiring, competitive with Intensive Theory, Practical and Clinical teaching programmes, day to day assessments, tutorials, seminars, monthly periodical tests, parent-guardian contact programmes.
- Acoustically built, 1200 seater auditorium with audio, video & cinema facilities on the campus.
- Department of Medical Education conducts regular Training Programme for Teachers & Students.
- Constituent College/Institution is in collaboration with National and International Bodies such as ICMR, WHO, University of Illinois, Chicago, USA, University of Missorie Kansas City USA for Teaching and Research purposes.
- Hostels-four Gent's Hostels accommodating 830 Students, four Ladies Hostels accommodating 850 Students with all amenities and recreational facilities.
- Mess-student owned, Student managed cosmopolitan mess catering to the varied tastes.
- Olympic standard Indoor game complex, Outdoor stadium and Lawn Tennis Court on the Campus.
- Syndicate Bank, Post Office, Co-Operative Store, Saloon, Beauty Parlor, STD / ISD Facilities, Reservation Counter, Xerox, Canteen all on campus.
- Five Buses providing transportation between college, clinic and city.

location map & about belgaum

- Belgaum is a district Headquarter; one of the beautiful cities of Karnataka with Cosmopolitan culture with Kannada, Marathi, Hindi and English Languages spoken
- Climate is conducive with moderate, summer, winter and rainy seasons.
- The city is well connected by Air, Rail and Road
- Bombay :550 Kms., Bangalore : 500 Kms. Hyderabad : 614Kms, Goa : 150 Kms.



into the

An University of Excellence providing Higher Education at par with international standards



An areal view of campus



Musical Fountain Garden

**KLE ACADEMY OF
HIGHER EDUCATION & RESEARCH
DEEMED UNIVERSITY**

Addresses for contact :

Registrar,
KLE Academy of Higher Education & Research
Deemed University,
JNMC Campus, Nehru Nagar,
BELGAUM - 590 010. Karnataka, INDIA.
Phone : 0831 - 2472777 Fax : 0831 - 2493777
web : <http://www.jnmc.edu>
E-mail : dome@jnmc.edu

Dr. F. V. Manvi,
Secretary, Board of Management.
KLE Academy of Higher Education & Research
Deemed University,
Nehru Nagar, BELGAUM - 590 010. Karnataka, INDIA.
Phone : 0831 - 2404040 Cell : 0 98452 55552
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E-mail : dome@jnmc.edu