

AEAST-2016

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ADESH ENGINEERING ADMISSION CUM SCHOLARSHIP TEST - (AEAST-2016)

Admission Test for B. Tech (4- Year) & Diploma (3- Year) Programme



Breaking New Grounds to create Oppurtunities for Young Lives.....

DATE: 11TH APRIL ' 2016 (MONDAY)
TIME: 10:30A.M to 12:30 P.M

ADESH GROUP OF INSTITUTIONS

CHANDIGARH - FARIDKOT- MUKTSAR - BATHINDA

ADESH GROUP OF INSTITUTIONS

ENGINEERING INSTITUTIONS

- ADESH INSTITUTE OF TECHNOLOGY(AIT),CHANDIGARH
- ADESH INSTITUTE OF ENGINEERING & TECHNOLOGY,FARIDKOT
- BHAI MAHA SINGH COLLEGE OF ENGINEERING,MUKTSAR
- ADESH POLYTECHNIC COLLEGE,MUKTSAR
- MALWA POLYTECHNIC COLLEGE,FARIDKOT
- ADESH INSTITUTE OF MANAGEMENT,CHANDIGARH

MEDICAL INSTITUTIONS

- ADESH INSTITUTE OF MEDICAL SCIENCES& RESEARCH(AIMSR),BATHINDA
- ADESH INSTITUTE OF DENTAL SCIENCES AND RESEARCH, BATHINDA
- ADESH COLLEGE OF NURSING(AIMSR),BATHINDA
- ADESH COLLEGE OF PHYSIOTHERAPY(AIMSR),BHATINDA
- ADESH INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCE(AIMSR),BATHINDA
- ADESH INSTITUTE OF BIOMEDICAL SCIENCE,BATHINDA
- ADESH POLYTECHNIC COLLEGE OF PHARMACY AND TECHNOLOGY,BATHINDA
- ADESH COLLEGE OF NURSING(AIMS),MUKTSAR
- ADESH COLLEGE OF PARAMEDICAL SCIENCES(AIMS),MUKTSAR
- ADESH COLLEGE OF PHYSIOTHERAPY(AIMS),MUKTSAR
- ADESH MEDICAL UNIVERSITY,AMBALA

ADESH GROUP

27 Years

Academic Excellence

18,000

Alumni Base

13,000

Placements in MNC's

1500

Faculty

70

Academic Programmes

18

Institutions

2

Medical Universities

Come be a Part of it....

ENGINEERING

MEDICAL

MANAGEMENT

DENTAL

POLYTECHNIC

PHARMACY

NURSING

PHYSIOTHERAPY

Adesh Group

Adesh Group of Institutions is a renowned Premier Educational group in the Northern India (Punjab) has been in the field of Education from the last twenty seven years. The Group has eighteen educational institutions under its umbrella in the field of Engineering & Technology, Management, Medical, Paramedical sciences in various districts of Punjab. Group is having credit of establishing first Private Engineering college, first Private Medical college, first Private Polytechnic and first Medical university in Punjab. The Variety and Flexibility in Teaching Pedagogy, its value of equality, transparency and healthy collaboration have been ably guided by the Leadership of its honorable Chairman **Dr. H.S.Gill** who is renowned for his principled life devoted to Education and Public Service for the last 27 Years. Each institute of the group is dedicated to offer an unparalleled wisdom, competent environment, personality- enlargement and career building atmosphere to the students. Presently, the Group has been fostering the future of 15000 students, enrolled with the different colleges of Group. The name and fame of this renowned premier group of institutes are known to endow with the best platform to grab carrier oriented jobs by choice for their students. The group was established with the objective to create a multi-layered inter disciplinary and inter-sectorial efficient professional technical manpower to act as an international podium for the development and transfer of technical competence in academics. It is committed to provide best possible technical education from grass route level to higher level and is devoted to provide leadership, organizational expertise, technical assistance and the other resources required to meet the market demand.

MISSION

To be center of Excellence committed to the perfection of human personality and dedicated to the development of Engineering Skills and attitudes to meet the demands and challenges of Modern Technology at the Global Level of the welfare of mankind.

VISION

To be Leaders in Quality Technical Education, Research & Innovation, through Teamwork, with a focus on Development of Sustainable and Inclusive Technology and be the best at serving society by creating engineering knowledge and educating engineer for dynamic and global careers

OUR OBJECTIVE

- To Identify young talent and helping for developing relevant skills and sensitivities.
- To enable the Students to excel in competitive Engineering, Management & IT industry
- Our mission is to impart vibrant, comprehensive and innovative learning.
- To provide an ideal teaching environment and ambience to develop their skills.
- To create, inculcate, imbibe, translate and apply knowledge, to address the needs of individuals
- industry and above all the trust of the society.
- To fulfill global requirement by providing quality Education & Training.

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HELPDESK

Controller Examination AEAST-2016

ADESH INSTITUTE OF TECHNOLOGY

Gharuan, Distt. Mohali (Punjab)

CHANDIGARH CAMPUS

NH-95, Kharar - Ludhiana Highway, Gharuan
Phone : 089687-45941, 087250-33475, 087250-33476

E-mail : aeast2016@gmail.com , drpundhir@hotmail.com

www.aitgharuan.in | www.adesh.in

Toll Free No. 1800-180-5767

ADESH GROUPOF INSTITUTIONS

CHANDIGARH CAMPUS

Adesh Institute of Technology
NH-95, Kharar-Ludhiana Highway, Gharuan



Adesh Institute of Technology (AIT), Gharuan established in the year 2012 is offering multi-discipline undergraduate programmes in Engineering and Management field. The institute is approved by All India Council of Technical Education (AICTE), New Delhi and Govt. of Punjab and is affiliated to I.K.Gujral Punjab Technical University (PTU), Jalandhar . The Institute is located at 15 Kms from Chandigarh on the Chandigarh – Ludhiana Highway. The campus extends to an area of 16 acres of land with many topographical features, imaginatively laid out with picturesque landscape with clean and wide roads .The campus presents a spectacle of harmony in architecture & natural beauty.

Adesh Institute of Engineering & Technology is approved by All India Council of Technical Education (AICTE) New Delhi & is affiliated to I.K.Gujral Punjab Technical University (PTU) Jalandhar. The institute was established in 1996 conceived by Adesh Foundation has emerged as one of the best engineering college in the state of Punjab. The institute is developed in a vast green campus of around 60 acres of land.

FARIDKOT CAMPUS

Adesh Institute of Engineering & Technology
K-64, Sadiq Road, Faridkot



Bhai Maha Singh College of Engineering, Muktsar is approved by All India Council of Technical Education (AICTE) New Delhi & is affiliated to I.K.Gujral Punjab Technical University (PTU) Jalandhar. The college was established in 2002 in the sacred memory of Martyrs of Muktsar developed on 50 acres of pollution free vast green campus with state of art magnificent infrastructure. Eminent professionals are drawn from top notch institutes of the country as faculty members to impart teaching methodologies to create future technical leaders.

MUKTSAR CAMPUS

Bhai Maha Singh College of Engineering
Kotkapura Road, Muktsar



ADESH GROUPOF INSTITUTIONS

ADESH POLYTECHNIC COLLEGE Kotkapura Road, Muktsar



Adesh Polytechnic college ,Muktsar established in 2002. The College is approved by All India Council of Technical Education(AICTE), New Delhi and Govt. of Punjab & affiliated to I.K.Gujral Punjab Technical University, Jalandhar & Technical Board of Punjab State. The college is running diploma courses in Computer Engg., Electronics & Communication Engg., Mechanical Engg., Electrical Engg, Automobile Engg., Information Technology & D-Pharmacy. Institute lays emphasis on Academics, PDP, Comm. Skills, Sports for the overall development of students.

Adesh Foundation established Malwa Polytechnic College, Faridkot on 20 acre piece of land in 2003 for imparting technical education at diploma level in educationally backward region of Sadiq-Faridkot. The well Planned campus has adequate Lecture Halls, Drawing Halls, Seminar hall, Workshops. We aim to provide our students with the best employment prospects and to equip them to become lifelong learners through understanding and meeting employer & student need by maintaining consistently higher standards.

MALWA POLYTECHNIC COLLEGE K-64, Sadiq Road, Faridkot



Adesh University, Bathinda established in 2005 , is the first self financing Private Medical University in the state of Punjab, having qualified faculty, quality infrastructure with lush green campus. The Medical Institute offers Post Graduate courses,Under graduate, Diploma – Level & Certified Courses in Medical, Dental, Nursing, Pharmacy,& Para Medical Sciences. All these courses are duly recognized by Medical Council of India/ Govt. of India. The University is located on the main Bathinda- Barnala National Highway No. 7. The Eco- friendly campus of university is spread over 43 acres land with magnificent infrastructure.

ADESH UNIVERSITY

- Adesh Institute of Medical Sciences & Research, Bathinda
- Adesh Institute of Dental Sciences & Research, Bathinda
- College of Nursing, Bathinda
- College of Physiotherapy, Bathinda
- Adesh Institute of Pharmacy & Bio Medical Sciences, Bathinda
- College of Para Medical Sciences, Bathinda
- College of Library & Information Sciences, Bathinda



ENGINEERING COURSES

S.No	Courses	Duration	Seats Available				Eligibility	Mode Of Admission
			AIT, Gharuan (Chandigarh)	AIET Faridkot	BMSE Muktsar	Total Seats		
1.	B.Tech (CSE)	4 Years	60	120	60	240	10+2 with 45% (40% for SC) Physics, Mathematics & Chemistry from a recognized board or an equivalent exam	Through AEAST-2016 Score
2.	B.Tech (ECE)		60	60	60	180		
3.	B.Tech (ME)		120	-	60	180		
4.	B.Tech (CE)		120	60	-	180		
5.	B.Tech (EE)		60	60	-	120		
6.	B.Tech (Automobile)		-	-	60	60		
7.	M.Tech (CSE)	2 Years	-	18	36	54	B.Tech in concerned branch with 60%	Direct Admission Contact Mobile No. : 896874594 1 Toll free No. : 1800-180-5767
8.	M.Tech (ECE)		18	18	-	36		
9.	M.Tech (ME)		18	-	-	18		
10.	M.Tech (EE)		-	18	-	18		
11.	M.Tech(IT)		-	18	-	18		
12.	M.Tech (Micro- electronics)		-	-	18	18		
13.	M.Tech (Production)		-	-	18	18		

NOTE : Direct Admissiom in B.Tech IInd Year under Lateral Entry is available in all branches & in all campuses

DIPLOMA COURSES

S.No	Polytechnic Courses	Duration	Seats Available			Eligibility	Mode Of Admission
			Malwa Polytechnic (Faridkot)	Adesh Polytechnic (Muktsar)	Total Seats		
1.	Computer Engineering	3 years	180	120	300	Matriculation or equivalent with 45% (40% for SC) pass marks in 10 th	Through AEAST-2016 Score
2.	Electronics & Communication Engineering		120	120	240		
3.	Mechanical Engineering		120	120	240		
4.	Electrical Engineering		60	60	120		
5.	Automobile Engineering		60	60	120		
6.	Information Technology		60	60	120		
7.	Civil Engineering		60	60	120		
8.	D- Pharmacy		-	60	60	10+2 Science	Direct Admission

MANAGEMENT & COMPUTER APPLICATION COURSES



S.No.	Courses	Duration	Seats Available				Eligibility	Mode Of Admission
			AIT Gharuan Chandigarh	AIET Faridkot	BMSE Muktsar	Total Seats		
1	MBA	2 years	-	60	60	120	Graduation in any Discipline with 55% marks	Direct Admission Contact Mobile No. : 8968745941
2	MCA		-	-	60	60		
3	BBA	3 years	60	-	-	60	10+2 (Arts/Commerce) from a recognized board or an equivalent exam	Toll free No. : 1800-180-5767
4	BCA		60	-	-	60		
5	B.Com (Professional)		60	-	-	60		
6	B.sc. (Agriculture)	3 years	-	60	60	120	10+2 (Non-Med)	Direct Admission

MEDICAL & PARAMEDICAL COURSES



S.No	Name of the Course	Duration	Name of the Institute	Eligibility	Mode Of Admission
1	MD/MS	3 Years	Adesh Institute of Medical Sciences & Research, Bathinda	MBBS	Admission through Adesh University Paramedical Entrance Test (AUPMET) For More Information visit: adeshuniversity.ac.in
2	MBBS	5.6 years		10+2 (Medical)	
3	BDS	4.6 years	Adesh Institute of Dental Sciences & Research, Bathinda	Matric	
4	Dental Chair side Assistant	1 year			Direct Admission
5	B.Sc. Nursing	4 years	College of Nursing, Bathinda	10+2 (Medical)	Admission through Adesh University Paramedical Entrance Test (AUPMET) For More Information visit: adeshuniversity.ac.in
6	Post Basic B.Sc. Nursing	2 years		Diploma in General Nursing & Midwifery (GNM)	
7	G.N.M. (General Nursing & Midwifery)	3 years		10+2 any stream or General ANM	Direct Admission
8	M.Sc. Nursing	2 years		Degree in B.Sc. Nursing/ Post Basic Nursing	Direct Admission
9	B- Pharmacy	4 years	Adesh Institute of Pharmacy & Bio Medical Sciences, Bathinda	10+2 (Med. / Non-Med)	Direct Admission
10	B- Pharmacy (LEET)	3 years		D- Pharmacy	Direct Admission
11	M-Pharmacy (Pharmaceutics)	2 years		B- Pharmacy	Direct Admission
12	D- Pharmacy	2 years	College of Physiotherapy	10+2 (Med. / Non-Med)	Direct Admission
13	Bachelor in Physiotherapy	4.6 years	College of Paramedical Sciences, Bathinda	10+2 (Medical)	Direct Admission
14	B.Sc. Medical Lab Technology	3 years		10+2 (Med. / Non-Med)	Direct Admission
15	B.Sc.Medical(Anatomy Physiology,Bio -Chemistry)	3 years		10+2 (Medical)	Direct Admission

MEDICAL & PARAMEDICAL COURSES

S.No	Name of the Course	Duration	Name of the Institute	Eligibility	Mode Of Admission	
16	B.Sc. Anaesthesia Technology	3 years	College of Paramedical Sciences, Bathinda	10+2 (Med. / Non-Med)	Admission through Adesh University Paramedical Entrance Test (AUPMET) For More Information visit: adeshuniversity.ac.in	
17	B.Sc. MRI/CT Technology	3 years		10+2 (Med. / Non-Med)		
18	B.Sc. O.T	3 years		10+2 (Med. / Non-Med)		
19	B.Sc. R.I.T	3 years		10+2 (Med. / Non-Med)	Direct Admission	
20	B.Sc. (Audiology & Speech Pathology)	3 years		10+2 (Medical)	Admission through Adesh University Paramedical Entrance Test (AUPMET) For More Information visit :- adeshuniversity.ac.in	
21	B.Sc. Optometry	3 years		10+2 (Medical)		
22	B.Sc Dialysis Technology	3 years		10+2 (Medical)	Direct Admission	
23	M.Sc. Medical	2 years		B.Sc. in any Branch	Direct Admission	
24	M.Sc. Medical Lab Technology	2 years		B.Sc. in medical lab Technology	Direct Admission	
25	Diploma in Operation Theater Technology	1 year		10+2 in any Stream	Direct Admission	
26	Diploma in Dialysis Technology	1 year		10+2 in any Stream	Direct Admission	
27	Diploma in Anaesthesia Technology	1 year		10+2 in any Stream	Direct Admission	
28	Certificate Course in Dialysis	1 year		College of Paramedical Sciences, Bathinda	Matric	Direct Admission
29	Certificate Course in Anaesthesia Technology	1 year			Matric	Direct Admission
30	PG Diploma in MRI/CT	1 year	B.Sc. in RIT		Direct Admission	
31	Diploma in Medical Radio & Imaging Technology	1 year		10+2 in any Stream	Direct Admission	
32	PG Diploma in Blood Bank	1 year	Department of Library & Information Sciences, Bathinda	B.Sc. in MLT	Direct Admission	
33	Master in Library Sciences	1 year		B. Lib.	Direct Admission	
34	Bachelor in Library Sciences	1 year		Graduation in any Stream	Direct Admission	
35	Diploma in Library Sciences - Chemistry)	1 year		110+2 any Stream	Direct Admission	

ABOUT AEAST-2016

Adesh Engineering Admission cum Scholarship Test (AEAST-2016) is conducted every year by Adesh Group of Institutions with the purpose of giving scholarships to the meritorious & deserving candidates. 80% seats are filled on the basis of AEAST-2016 score and 20% seats are reserved for direct Admission through Management quota. Seats are also reserved for candidate belonging to OBC, SC, ST and Persons with Disabilities (PWD) as per the guidelines issued by the Government.

2. ELIGIBILITY

Candidates appearing for the AEAST-2016 should have either completed or shall be appearing in 2016, in the final examination of the 10+2 system of Higher Secondary Examination conducted by the State Board or Central Board of Secondary Education (CBSE, New Delhi)

2.1 Nationality

The applicant for admission should be a resident of Indian National/resident of SAARC member country.

2.2 Age Limit for Engineering Admission :

Lower Age: 16 Years & Upper Age: No Bar

2.3 Age Limit for Diploma Admission :

Lower Age: 14 Years & Upper Age: No Bar

- The date of birth as recorded in the High School/SSC/XTH Certificate will be considered authentic.
- Candidates should produce this certificate in original as proof of their age at the time of admission failing which they will be disqualified.

3. EXAMINATION PATTERN

3.1 Question Paper Pattern for B.Tech Entrance

The question paper for 4 - Year Engineering Course (AEAST-2016) will contain 3(three) parts as indicated below. All questions will be of objective type

PART-1- MATHEMATICS (40 Questions ; 40 marks)
PART-2- PHYSICS (30 Questions; 30 Marks)
PART-3-CHEMISTRY (30 Questions;30 Marks)

3.2 Question Paper Pattern for Diploma Entrance

The question paper for 3- Year Diploma Course (AEAST-2016) will contain 2(two) parts as indicated below. All questions will be of objective type

PART-1- Mathematics (50 Questions; 50 Marks)
PART-2- General Science (50 Questions; 50 Marks)

Important Instructions:

- Each question carries one mark.
- Each question is followed by 4 alternative answers.
- The candidate will have to choose the correct answer and shade against the appropriate choice in the OMR Response sheet provided, strictly adhering to the instructions.

No Negative Marking for the wrong answers.

3.3 Language of the Question paper

The question paper will be in English and Hindi Medium both.

4. SYLLABUS

4.1 The syllabus of AEAST-2016 Degree Entrance

PHYSICS

Units and Measurement, Description of Motion in One Dimension, Description of motion in two and three Dimension, Laws of Motion, Work, Energy and Power, Rotational Motion and Moment Of Inertia, Gravitation, Waves, Heat and Thermodynamics, Electrostatic, Thermal and Chemical Effect of Current, Magnetic Effect of Current, Magneto Statics, Electromagnetic Induction and Alternating Currents, Ray Optics, Wave Optics, Electromagnetic Waves, Electron and Photons, Atoms, Molecules and Nuclei

भौतिकी

इकाई और माप, एक आयाम में गति का विवरण, दो और तीन आयाम में गति का विवरण, गति के नियम, काम, ऊर्जा और शक्ति, घूर्णी गति और जड़ता का समय, गुरुत्वाकर्षण, लहरें, गर्मी और ऊष्मप्रवैगिकी, Electrostatic, वर्तमान के ताप और रासायनिक प्रभाव, वर्तमान के चुंबकीय प्रभाव, चुंबक स्टैटिक्स, विद्युत चुम्बकीय प्रेरण और बारी धाराओं, रे प्रकाशिकी, लहर प्रकाशिकी, विद्युत चुम्बकीय तरंगों, इलेक्ट्रॉन और फोटॉन, परमाणु, अणु और नाभिक

MATHEMATICS

Sets, Relation and Functions, Complex Numbers, Matrices and Determinants, Quadratic Equations, Permutation and Combinations, Differential Calculus, Integral Calculus, Two Dimensional Geometry, Three Dimensional Geometry, Vector Algebra, Measures of Central Tendency and Dispersion, Probability, Trigonometry, Statics, Dynamics, Sequences & Series, Binomial Theorem, Sequences & Series

गणित

सेट, रिलेशन और कार्यों, जटिल संख्या, Matrices और निर्धारकों, द्विघात समीकरण, क्रमपरिवर्तन और संयोजन, अंतर कलन, अभिन्न और मरी, दो आयामी ज्यामिति, तीन आयामी ज्यामिति, वेक्टर बीजगणित, केंद्रीय प्रवृत्ति, त्रिकोणमिति, स्टैटिक्स, गतिशीलता, दृश्यों और सीरीज, द्विपद प्रमेय, दृश्यों और श्रृंखला

CHEMISTRY

Some Basic Concepts, States of Matter, Solutions, Chemical Equilibrium, Rates of Chemical Reaction and Chemical Kinetics, Surface Chemistry, Chemical Families-periodic Properties, Chemistry of Non-Metal-1, Chemistry of Non-Metal-1, Chemistry of Lighter Metals, Heavy Metals, Transition Metals including Lanthanides Unit Coordination Chemistry and Organ Metallic, Nuclear Chemistry, Purification and Characterization of Organic Compounds, Hydrocarbons, Organic Compounds containing Halogens, Organic Compounds containing Oxygen, Organic Compounds containing Nitrogen, Synthetic and Nature Polymers, Chemistry in action, Environmental Chemistry.

रसायन विज्ञान

कुछ बुनियादी अवधारणाओं, इस मामले की स्टेटस, समाधान, रासायनिक संतुलन, केमिकल रिएक्शन और केमिकल काइनेटिक्स, सतह के रसायन शास्त्र की दरें, केमिकल परिवार आवधिक गुण, गैर धातु-1, गैर-धातु-1 के रसायन विज्ञान के रसायन विज्ञान, रसायन विज्ञान, हैलोजन युक्त कार्बनिक यौगिकों, आक्सीजन युक्त कार्बनिक यौगिकों, कार्बनिक यौगिकों कार्बोनाई में सिंथेटिक नाइट्रोजन, और प्रकृति पॉलिमर, रसायन युक्त lanthanides यूनिट समन्वय रसायन विज्ञान और अंग धातु, परमाणु रसायन विज्ञान, शोधन और कार्बनिक यौगिकों, हाइड्रोकार्बन की विशेषता धातुओं, पर्यावरण रसायन विज्ञान

4.2 Syllabus for AEAST-2016 Diploma Entrance

GENERAL SCIENCE

Motion: Uniform and non uniform motion, distance and displacement, velocity and acceleration, Force: Force and motion, Newton's laws of motion, Gravitational force, acceleration due to gravity mass and weight, Heat: Heat and temperature, measurement of temperature, thermal expansion, change of State, Light: Reflection, laws of reflection, types of mirror, reflection from plain mirror, refraction, laws of refraction, power of lens, Electricity: conductors and resistors, measurement of current, potential difference and resistance, ammeter, voltmeter, Ohm's law Sound: Production and propagation of sound and its velocity in medium, Matter- Element, compound, Mixture, Type of mixture, states of matter, atom, molecule, symbol & valency, Chemical formula, Chemical equation, Atomic Structure: Electron, Proton, Neutron & their charge, mass, atomic number, mass number, electronic configuration, Bonding: Formation of ionic & covalent bond, important properties of electrovalent and covalent bond, Water: Sources of water, soft and hard water, types of hardness, removal of hardness of water by cold and hot soda lime process, Cell and Cell Structure:- Cell structure difference between prokaryotic and eukaryotic cells. Function of cell organ less (brief account), Diversity in the Living World:- General idea of classification of living organizations and their importance, nomenclature classification (two kingdoms) with characteristics and examples up to phylum in plants and invertebrate animals, Nutrition:- Mode of nutrition, autotrophic, heterotrophic, photosynthesis (main steps) factors affecting photosynthesis, Respiration:- Respiration and breathing, respiration in plants and animals, types of respiration-aerobic and anaerobic respiration through skin, gills, air tube, lungs (Earth worm, fish, grasshopper & frog), Heredity: Mendel's laws, structure of chromosomes and DNA, the gene. Environment and environmental problems, causes prevention and control (soil erosion), pollution of water and accumulation of waste and environmental problems, biodegradable and non-biodegradable materials.

BASIC MATHEMATICS

Number System: Natural numbers, Integers, Rational numbers, Real numbers as union of rational and irrationals, Axioms on operations on real numbers, Logarithms: Definition, laws of logarithm, common logarithm, characteristics, Mantissa, Antilogarithm, Tables of logarithm and antilogarithm, Ratio, Proportion & Variation: Definition, continued proportions, direct variation, inverse variation & joint variation, Equations: Different methods of solving simultaneous linear equations in two unknowns, problems, Quadratic equations, its solutions by completing the square, Discriminant, nature of roots, Relation between roots & co-efficient, simple problems, Functions and Graphs: Domain and Range of Real valued function, Mensuration: Circumference, Arc Length, Area of Sector of a circle, triangle, Rectangle, Square, Parallelogram, Trapezium, Rhombus. Surface area and volume of cylinder, Cone, Sphere, Statistics: Data, Frequency distribution, Erupted frequency distribution measures of Central tendency (Mean, median & mode)

सामान्य विज्ञान

मोशन: वर्दी और गैर एक समान गति, दूरी और विस्थापन, वेग और त्वरण, बल: बल और गति, गुरुत्वाकर्षण के कारण बड़े पैमाने पर और वजन, गर्मी के लिए गति, गुरुत्वाकर्षण बल, त्वरण के न्यूटन के नियम गर्मी और तापमान, तापमान का माप, थर्मल विस्तार, राज्य, लाइट के परिवर्तन: प्रतिबिंब, परावर्तन के नियमों, दर्पण के प्रकार, सादे दर्पण से प्रतिबिंब, अपवर्तन, अपवर्तन के नियम लेंस की शक्ति, बिजली: कंडक्टर और प्रतिरोधों, वर्तमान, संभावित अंतर और प्रतिरोध, **ammeter** की माप, वाल्टमीटर, **Ohm's** सिद्धांत, ध्वनि उत्पादन और प्रसार ध्वनि की और मध्यम में उसके वेग, **Matter**— तत्व, यौगिक, मिश्रण, मिश्रण का प्रकार, इस मामले, परमाणु, अणु, प्रतीक और संयोजकता, रासायनिक सूत्र, रासायनिक समीकरण, परमाणु संरचना के राज्यो: इलेक्ट्रॉन, प्रोटॉन, न्यूट्रॉन और उनके प्रभार, जन, परमाणु संख्या, जन संख्या, इलेक्ट्रॉनिक विन्यास, संबंध: आयनिक एवं सहसंयोजक बंधन के गठन, वैद्युतसंयोजक और सहसंयोजक बंधन, जल के महत्वपूर्ण गुण: पानी के सूत्र, मुलायम और कठोर जल के प्रकार कठोरता, ठंडा और गर्म सोडा चूना प्रक्रिया, सेल और सेल संरचना द्वारा पानी की कठोरता को हटाने की: — प्रोकार्योटिक और कोशिकाओं के बीच सेल संरचना का अंतर। रहने वाले दुनिया में **Cell organ less** (संक्षिप्त खाता), विविधता का समारोह: — पौधों और पशुओं **invertebrate**, पोषण में जाति को विशेषताओं और उदाहरण के साथ रहने वाले संगठनों के वर्गीकरण और उनके महत्व, नामकरण वर्गीकरण (दो राज्यो) के जनरल विचार: — पौधों और जानवरों, कौशल, गहरे नाले, हवा ट्यूब, फेफड़ों के माध्यम से श्वसन—एरोबिक और **Anaerobic** श्वसन के प्रकार में श्वसन और श्वास, श्वसन (पृथ्वी कीड़ा: — पोषण, स्वपोषी परपोषी, प्रकाश संश्लेषण (मुख्य कदम) प्रकाश संश्लेषण, श्वसन प्रभावित करने वाले कारकों के मोड, मछली, टिड्डा और मेंढक), आनुवंशिकता: **Mendel** के कानूनों, क्रोमोसोम और डीएनए, जीन की संरचना। पर्यावरण और पर्यावरण संबंधी समस्याओं, पानी और अपशिष्ट और पर्यावरण संबंधी समस्याओं, **Biodegradable** और गैर **Biodegradable** सामग्री का संचय की रोकथाम और नियंत्रण (मिट्टी का कटाव), प्रदूषण का कारण बनता है।

गणित

संख्या प्रणाली: तर्कसंगत और अपरिमेय का संघ के रूप में प्राकृतिक संख्या, पूर्णांकों, तर्कसंगत संख्या, वास्तविक संख्या, **Axioms** वास्तविक संख्या पर परिचालन पर, **logarithms**: परिभाषा, लघुगणक के कानूनों, आम लघुगणक, विशेषताओं, अपूर्णांश, **Antilogarithm**, लघुगणक और **Antilogarithm** की टेबल्स, अनुपात, अनुपात और रूपांतर: परिभाषा जारी रखा, अनुपात, प्रत्यक्ष भिन्नता, उलटा भिन्नता और संयुक्त भिन्नता, समीकरण: दो अज्ञात, जड़ों के वर्ग, विभेदक, प्रकृति को पूरा करके समस्याओं, द्विघात समीकरण, इसके समाधान में एक साथ रेखीय समीकरण को हल करने के विभिन्न तरीकों, जड़ और सह—कुशल, सरल समस्याओं, कार्य और रेखांकन के बीच संबंध: डोमेन और रियल की रेंज मूल्यवान समारोह, क्षेत्रमिति: परिधि, चाप लंबाई, एक वृत्त, त्रिकोण, आयत, वर्ग, चतुर्भुज, समलंब, रोम्बस सेक्टर के क्षेत्र। सतह क्षेत्र और सिलेंडर की मात्रा, कोन, क्षेत्र, सांख्यिकी: डाटा, आवृत्ति वितरण, केंद्रीय प्रवृत्ति की आवृत्ति वितरण माध्य, माध्यिका, माध्यक

5. EXAMINATION SCHEDULE

Activity	Important Dates
Issue of the Information Brochure & Application form	1.11.2015
Last date of online filling Application form	7.4.2016
Last date of submission of Application form through post	7.4.2016
Admit card can be downloaded from the website	9.4.2016
Date of Issue of Duplicate Admit cards at Exam center	10.4.2016
Date of Examination(AEAST-2016)	11.4.2016
Declaration of Result(AEAST-2016)	10.5.2016
Counseling and Admission	3 RD Week of May

6. HOW TO APPLY

Candidates who wish to appear in AEAST-2016 can apply through online and offline mode.

6.1 ONLINE MODE

- Log on to the website of www.adesh.in/www.aitgharuan.in and click on AEAST-2016 Link
- Prepare a demand draft towards application fee of Rs 125/- (For SC/ST candidates Rs 50/- **there is no examination fee for the candidates applying under PWD category**) in favour of “**Adesh Institute of Technology, Gharuan**” payable at Chandigarh.
- Fill all the data, bank details, upload scanned photograph, signature etc. in the online application form.
- After completing the application form Press the “submit” button.

6.2 OFFLINE MODE

- Download the application form and take its printout in A4 size page(s).
- Prepare a demand draft towards application fee of Rs 125/- (For SC/ST candidates Rs 50/-), **(there is no examination fee for the candidates applying under PWD category)** in favour of “**Adesh Institute of Technology, Gharuan**” payable at Chandigarh.
- Fill all the data, paste photographs and put signature(s) in the appropriate places in the form and send it to the office of the **Controller Examination, Adesh Institute of Technology, Gharuan, Tehsil Kharar, Distt. Mohali, Punjab-143416**
- Write the following information at the back side of the **demand draft**:
 - Name of the candidate:**
 - Father's Name:**
 - Category:**
 - Contact No:**
- Post the **complete printout / filled application form** along with the followings:
 - Demand draft of appropriate fees**
 - Copy of Admit Card**
 - One (1) self-addressed envelope.**

- b) The complete document must reach by 23.3.2016 till 4:00 p.m. for **Offline Application** by post / by hand to:

**The Examination Controller,
AEAST - 2016
Adesh Institute of Technology,
Gharuan, Chandigarh Campus,
Tehsil -Kharar , Distt. Mohali (Pb)-143416**

- k) Institute will not be responsible for the delay of Post.
l) Candidates are advised to keep photo copies of application form and demand draft for future reference.)

7. TEST CENTERS OF AEAST-2016

Candidate who wish to appear for the AEAST-2016 exam must select two exam centers from the list

Chandigarh	Faridkot	Muzaffarpur	Bhagalpur	Madhu Bani	Saran
Mohali	Muktsar	Patna	Bihar Sharif	Jhanabad	Gopal Ganj
Ropar	Bathinda	Gaya	Buxer	Sita Marhi	Birat Nagar
Gharuan	Shimla	Samastipur	Siwan	Purnia	Janak Pur
Anandpur Sahib	Kangra	Betia	Chapra	Madhepura	Butwal
Fatehgarh Sahib	Jammu	Bagha	Moti Hari	Darbhanga	Bigarj
Ludhiana	Srinagar	Narkatia Ganj	Birat Nagar	Gorakhpur(U.P)	Deoria (U.P)

Note:-Availability of test center can be increased or decreased depending upon the students available at center.

8. ADMIT CARD

I. IMPORTANT INFORMATION

- Intimation of Exam centre will be sent to the Candidate through SMS.
- The admit card will contain Student name, Roll No., photograph, signature, address, address of your test center, test schedule and set of instructions .
- Admit Card will also be issued to the student at given E-mail and Exam Centre also.
- The admit card once received should be carefully examined by the candidate. Any discrepancy as such should immediately brought to the notice of the Help Desk.

8.2 DUPLICATE ADMIT CARD

In case a candidate does not receive the admit card before three days of entrance examination, he/she can collect duplicate admit card/hall ticket from Exam Centre (Intimation of Exam centre will be sent to the Candidate through SMS). If there is any trouble in this process, he/she should report the same immediate to the Head Office/Director regarding duplicate admit card by mail to aeast2016@gmail.com, adeshadmissions2016@gmail.com or telephonically at Help Desk Nos.

9. GUIDELINES PERTAINING TO AEAST-2016

1. Candidates must reach the examination center at least half an hour (30 minutes) before the start of the examination, i.e 10:00 am
2. Candidates will not be allowed to enter the examination hall after half an hour (30 minutes) from the start of the examination, i.e. 11:00 am.
3. Candidates will be allowed to leave the examination hall only after one hour from the start of the examination, i.e. 11:30 am.

4. Use of log tables and calculators in the examination hall are not allowed.
5. Candidates must bring their own pen, pencil, eraser and other stationeries.
6. Candidates MUST bring their Admit Card and Identity Card to the Examination Hall.
7. Mobile phone and other electronic gadgets are not allowed inside Examination Hall.
8. Candidate should shade the correct response against each question in the OMR response sheet only with a black/blue ball point pen.
9. The candidate should sign in the attendance sheet at appropriate places.
10. The admit card should be preserved and produced for verification at the time of admission.
11. Violation of any instruction and adoption of any unfair means in the examination hall will make the candidate ineligible for admission.

10. RESULT

The Rank List will be prepared on the basis of total marks secured in AEAST-2016 and the results will be available on the website www.adesh.in/www.aitgharuan.in
For Admission in B.Tech and Polytechnic a merit list will be prepared and the candidates will be allotted trade/branch/specialization as per his/her merit and choice and the availability of seats in the said trade/branch/specialization of the programme.

11. COUNSELING

The exact schedule of counseling and number of candidates called will be displayed on the website of the Institute namely www.adesh.in/www.aitgharuan.in. **Letters will be sent to the candidates who clear the test regarding intimation of date, time & venue for Counseling.** However, if a candidate fails to attend counseling in time due to any reason, he/she may appear for next counseling (if any). Such candidate will have to keep track of the next available counseling schedule which will be available on website and participate therein without waiting for any intimation in this behalf.

12. Fees structure & Scholarship Plan for B.TECH Candidates(General Category):

With the objective of encouraging meritorious students and academic excellence, many scholarships are offered to Top Rankers of AEAST-2016 & deserving candidates.

All the fees and charges for the academic year 2016-2017 will be deposited by a student at the time of admission. The refund of fees after admission shall be made in accordance with the rules All fees and charges are payable according to the schedule notified from time to time and delay in such payments entails a fine.

12.1 Scholarship Plan for Adesh Group of Institutions(Chandigarh- Faridkot – Muktsar)

AEAST-2016 Score OR 10+2 %	Institute Fees per Semester as per Govt. / University Norms	Scholarship per Semester	Balance fees per Semester to be paid by the Student	Special Prize on basis of AEAST-2016 Score	
				AEST-2016 SCORE	PRIZE
Above 91%	38,375/-	28,375/-	10,000/-	TOP 5 Position	25,000 /- Cash Prize
76% to 90%	38,375/-	18,375/-	20,000/-	6 - 10 Positions	Free Laptop
61% to 75%	38,375/-	13,375/-	25,000/-	11 - 20 Positions	5,000 /- Cash Prize
45% to 60%	38,375/-	8,375/-	30,000/-	21 - 50 Positions	Free Books of Sem 1 st

Note : The student must maintain good academic performance with 60% marks in semester examination without any supplementary/ backlog. However if there is any supplementary/ backlog then the scholarship for that particular semester will be withdrawn & restored again after the clearance of supplementary/ backlog.

12.2 Fees Structure of other Courses(same for all Campuses)

Course	Institute Fees per Semester as per Govt. / University Norms
Bachelor of Business Administration (BBA)	12,500/-
Bachelor of Computer Applications (BCA)	12,500/-
Bachelor of Commerce (Professional)	12,500/-
Master of Business Administration (MBA)	20,000/-
Master of Computer Applications (MCA)	20,000/-
Masters of Technology (M.Tech) (Any Stream)	35,000/-
Diploma Courses (Any Stream)	16,000/-

13. ADMISSION PROCEDURE

- The Admission procedure will commence after an eligible candidate has cleared the AEAST-2016. The aim of the counseling process is to extend a helping hand to potential scholars and facilitate their search for the program of their choice. Candidate would have to personally appear before the Counseling committee on the date and time specified. Failure to do so will result in rejection of the application. The candidates would be required to be in possession of the documents as given in the IMPORTANT INSTRUCTIONS at the time of counseling.
- A message will be sent to candidate to intimate the announcement of result through SMS on Student given mobile no. This will be for information only and should not be taken as official communication for selection.
- After counseling, all selected candidates will get intimation of their selection through an Admission Letter which will be sent to the candidate on their given postal address. Details regarding allotment of Hostel , date, time and venue for commencement of the academic session will be mentioned in the admission letter.
- Failure to pay the fee within the specified date or report for classes after payment of fee will entail cancellation of admission.

Important Instructions

Admission to various programmes will however be subject to verification of facts from the original certificate/documents of the candidate. **Candidates should bring the following documents at the time of Counseling:**

- a) Certificate and Mark Sheet of Class X & XII/ Diploma.
- b) Certificate and Mark Sheet of graduation (only for post graduate programs).
- c) Migration certificate from the Board/University last attended.
- d) Counseling Letter.
- e) Character certificate from the School/ College last attended
- f) Reserve category certificate, if applicable.
- g) Income Certificate for SC/ST/OBC Students.
- h) Affidavit signed by Executive Magistrate/ Notary Public required in case of gap in the studies for not being involved in any criminal activities during the gap period.
- i) Six passports sized recent photographs.
- j) Candidates are advised to visit the website www.adesh.in/ www.aitgharuan.in regularly for the updates.

14. INSTITUTE GUIDELINES

Discipline is a pre-requisite for the development of any institution. No example of continuous progress without complete disciplinary spirit can be found anywhere. Keeping this in view the students of Adesh Group are, therefore, expected to maintain a code of conduct as per the mentioned laws and ordinances.

14.1 General Information

- Every student is issued an identity card by the college immediately after admission which he/she is expected to carry while in college at all times. Entry to the college, in no circumstances is allowed without the identity card.
- Students of the college are expected to behave responsibly both inside and outside the college. Ragging in any form anywhere is strictly prohibited.
- It is expected that the students will not indulge in boisterous behavior in the class rooms and corridors.
- Smoking is strictly prohibited in college premises.
- The students are required to switch off their mobile phones in classrooms, laboratories and corridors.
- Any college event and/or get-together may not be held without prior approval of the Principal.
- Students are strictly prohibited from taking out any procession or indulging in unauthorized group activities.
- Candidate shall be eligible to appear the university examinations unless he/she fulfills the minimum attendance requirements. It is, therefore, in the interest of the students to follow attendance rules strictly and attend all classes, tutorials and practicals.
- Plagiarism, cheating, and other forms of academic dishonesty are prohibited
- Applications for leave on medical grounds, countersigned by a parent /guardian and duly supported by a medical certificate, must be submitted within two weeks of returning to College; thereafter such applications shall not be accepted.

15. HOSTEL ACCOMODATION

Separate Boys and Girls hostel accommodation is available in all the institutes of Adesh Group within the Campus. Hostels in the Institute campus are safe in terms of health, hygiene and feel like family. Hostel life not only develops the spirit of healthy competition, but also teaches lessons in mutual cooperation, adaptation, tolerance and mutual respect. Adesh Group is making countless efforts to provide good infrastructure including quality food, free internet connectivity through Wi-Fi system, security and other basic needs in all its hostels.

16. TRAINING & PLACEMENT CELL

In today's globalization new opportunities are open in Multi National companies for the youth. Special efforts are taken to mould the engineering students to meet the industrial requirements. The Central Training and Placement Cell of Adesh Group functions from **Adesh Institute of Technology, Gharuan (Chandigarh Campus)** has its policy to implement, to achieve the goals set, taking sincere efforts to provide the self confidence, motivating individual students to employ themselves significantly in their chosen area of interest and location. It motivates the final year students for sponsored projects from the industries. Many prestigious companies like Infosys, Larsen & Toubro (L&T), Maruti, Wipro, Tech Mahindra, TCS, IBM, Airtel, Vodafone, Sonalika etc. visited our college this year for placements. The Cell is in the continuous process of developing alliance with more & better potential recruiters.

17. LEGAL JURISDICTION

All disputes pertaining to the conduct of AEAST-2016 shall fall within the jurisdiction of Kharar (Punjab) Court



PROPERLY MANAGED WORKSHOPS AND LABS



CAREER DEVELOPMENT CELL



PLACEMENT PARTNERS

1st

Private Polytechnic of Punjab (APC, Muktsar)

Private Engineering College of Punjab(AIET, Faridkot)

Private Medical College of Punjab(AIMSR, Bathinda)

Private Medical University of Punjab(Adesh University)

Since 1989
॥ ਆਦੇਸ਼ ਤਿਸੈ ਆਦੇਸ਼ ॥



Central Admission Cell (Adesh Group)

**B.TECH | DIPLOMA | M.TECH | BCA | BBA | B.COM (P)
MBA | MCA | MEDICAL | DENTAL | PHARMACY | NURSING**

ADESH INSTITUTE OF TECHNOLOGY

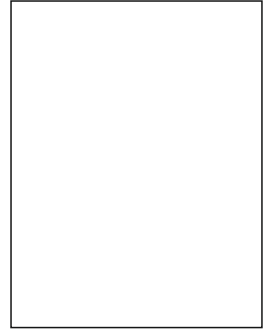
NH-95, Kharar-Ludhiana Highway, Gharuan (Chandigarh)

Admission Helpline Numbers : 081466-53550, 089687-45941, 087250-33475
E-mail:- drpundhir@hotmail.com, aeast2016@gmail.com, adeshadmissions2016@gmail.com
www.aitgharuan.in | www.adesh.in

TOLL FREE NO. 1800 180 5767

Enrollment No. _____

AEEE-2016 Roll No. _____



ADESH GROUP OF INSTITUTIONS

CHANDIGARH | FARIDKOT | MUKTSAR

ADESH ENGINEERING ADMISSION CUM SCHOLARSHIP TEST - 2016 AEAST-2016

Please read the AEAST-2016 Test Brochure carefully before filling up the application form:

(Valid for the Academic Year 2016-2017 only)

Note : Use the box for writing with alphabets or numerals. Do not staple, tear or wet the form. Read the instructions/guide/notification / advertisement carefully before filling up the Application Form. For each claim in this application, copy of the validating documents has to be produced. Use black ink ball point pen for writing in the boxes.

COURSE APPLIED FOR **B.TECH** **POLYTECHNIC**

:

First Name _____ **Last name** _____

Father's Name _____

Occupation _____ **Annual Income** _____

Mother's Name _____

Occupation _____ **Annual Income** _____

Date of Birth _____ **Gender** _____ **Category** _____

Residence Address _____

City _____ **State** _____ **Pin Code** _____

Mobile (Parent's Number) _____ **Mobile (Student Number)** _____

E-Mail Id _____

Address for Coresspondence _____

City _____ **State** _____ **Pin Code** _____

DETAILS OF QUALIFYING EXAMINATION

Qualifying Exam	Name & Address of School/ College	Month & Year of Passing/ Appearing	Marks Obtained in Qualifying Exam	Total Marks	Percentage
12 TH					
10 TH					

BANK DETAILS:

NAME OF THE BANK:

DRAFT NUMBER:

DATE OF ISSUE OF BANK DRAFT:

CHOICE OF TEST CENTERS (Select Test Centers given on Page No.):

1. _____ 2. _____ 3. _____

MEDIUM OF EXAM: ENGLISH

HINDI

CHOICE OF BRANCH (Select Branch given on Page NO.):

1. _____ 2. _____ 3. _____

CHOICE OF CAMPUS (Chandigarh, Faridkot, Muktsar):

1. _____ 2. _____ 3. _____

SPORTS CATEGORY: YES/NO (If Yes, then Tick the right option)

1.State

2. National

3. International

HOSTEL ACCOMODATION REQUIRED: YES /NO

DECLARATION :

I declare that I have read and clearly understood the rules governing and the eligibility criteria for admission into the B.Tech. I hereby agree to abide by the same. I certify that I satisfy the eligibility requirements of the B.Tech Program as stated in the Prospectus and Application guidelines of B.Tech / Diploma program and have furnished correct information.

Date :

Place:

Candidate Signature

Parent's Signature

**ADESH INSTITUTE OF TECHNOLOGY**

GHARUAN, DISTT. MOHALI (PUNJAB)

CHANDIGARH CAMPUS

CAMPUS : NH-95 KHARAR - LUDHIANA HIGHWAY, GHARUAN

Phone : 089687-45941, 087250-33475, 087250-33476 Toll Free No. 1800-180-5767

Web : www.aitgharuan.in E-mail : drpundhir@hotmail.com

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॥ आदेशु डिसे आदेशु ॥



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ADESH
GROUP OF INSTITUTIONS

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Web : www.aitgharuan.in E-mail : drpundhir@hotmail.com

ADESH ENGINEERING ADMISSION CUM SCHOLARSHIP TEST (AEAST-2016)

Date of Exam: April 11 ' 2016

Time : 10:30 A.M. - 12:30 P.M.

COURSE(Engineering/Polytechinc)_____

ROLL No .: _____ (to be filled by College Authority)

MEDIUM OF EXAM: _____ (English / Hindi)

NAME OF THE CANDIDATE: _____

FATHER'S NAME: _____

MOBILE NUMBER : _____

CENTER OF EXAM : _____

PASTE A RECENT
PASSPORT SIZE
COLOUR PHOTOGRAPH
WITHIN THE INNER
DOTTED BOX

Signature of Controller

Signature of Student

INSTRUCTIONS :

1. Candidate should paste their recent passport size photograph on the admit card before coming for examination.
2. This admit card is valid only if the candidate's photograph and signature images are legible.
3. Mobile phones or any other electronic devices are not allowed in the examination hall.
4. Candidates are advised to locate the examination centre and its accessibility at least a day before the examination, so that they can reach the centre on time for the examination.
5. Please report to the examination venue at least half an hour before the commencement of the examination for identity verification.
6. The total duration of the examination is 120 minutes. Any candidate arriving late will have examination time reduced proportionately.
7. Use Black/Blue ball point pen for writing.
8. Please note down roll no. for further reference.