AJEE 2018
AISECT JOINT ENTRANCE EXAM

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AISECT Awards & Accolades

Skoch Corporate Leadership Award 2013

Social Entrepreneur of the Year Award 2010

Golden Icon National E-Governance Award 2005

NASSCOM I.T. Innovation Award 2006

Indian Innovation Award 2005

Bihar Innovation Forum Award

Manthan Award South Asia & Asia Pacific 2012

NASSCOM Emerge 50 Leader Award 2009

ASHOKA Senior Fellowship 2011

eGov India Award 2011

Asian Forum i4D Award 2007

The National CSI Award 2011

TiE Lumis Partners Entrepreneurial Excellence Award 2009

Financial Inclusion & Payment Systems Award 2013

27th amongst the fastest growing mid-size businesses in India 2013

Voted amongst the top 100 franchises in 2010 and 2013

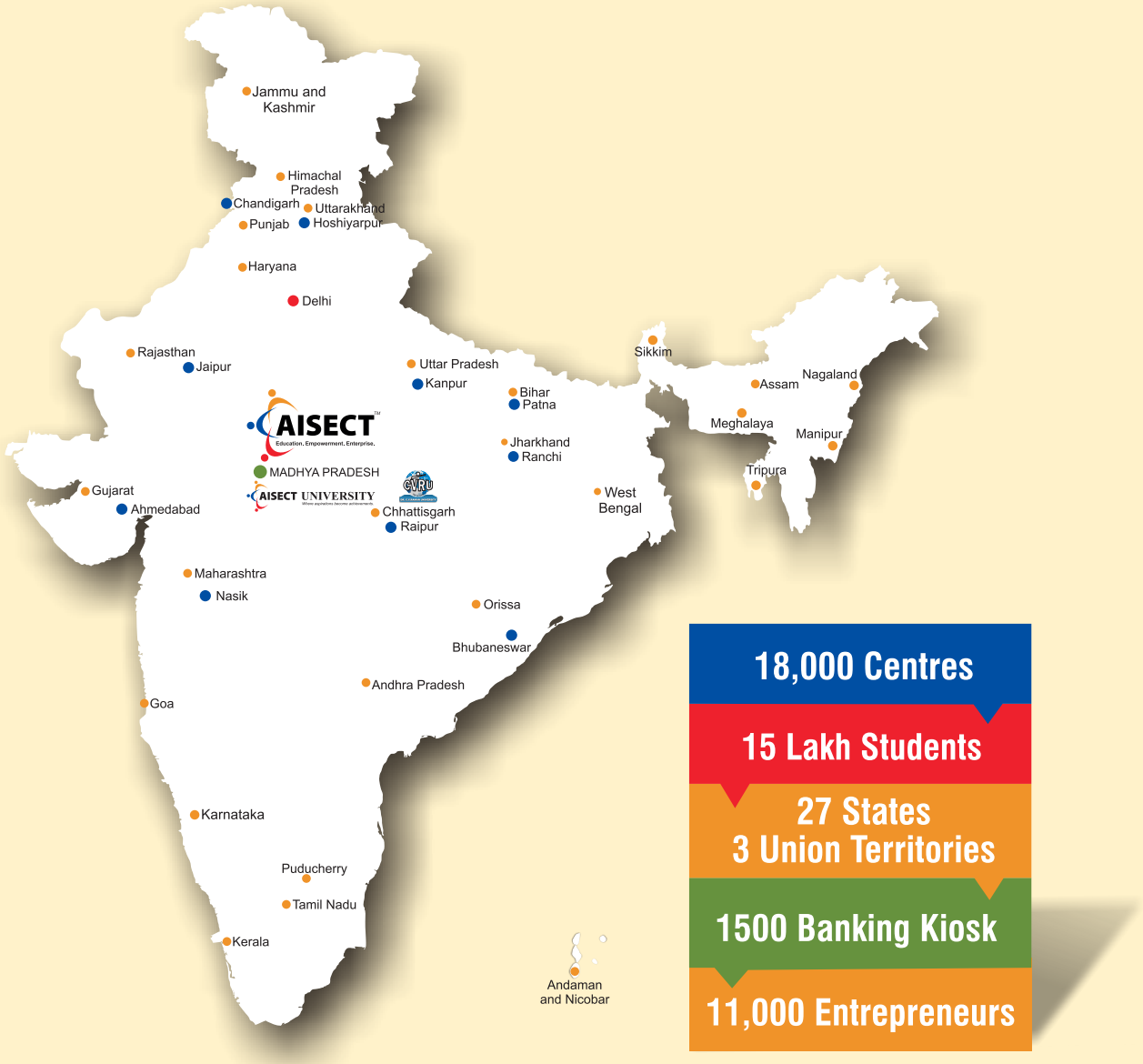
Shiksha Ratna Award 2012

100 SMALL BUSINESS OF THE YEAR 2011
100 Best Small businesses & Entrepreneur

World Education Summit Dubai-2015

Fastest Growing University of the Year 2015

World Education Summit Dubai-2016



18,000 Centres

15 Lakh Students

27 States
3 Union Territories

1500 Banking Kiosk

11,000 Entrepreneurs

About AISECT

ABOUT AISECT

The All India Society for Electronics and Computer Training (AISECT) is India's leading educational, training and services network with an unrivalled spread of more than 20,000 multi-purpose centers across 27 states and 3 UTs of the country. Established in 1985, AISECT has been continuously working towards it mission to reach out to the remotest corner of India and promote ICT based training and services to empower people, generate employment and connect employable people to existing employment opportunities, and unfold entrepreneurship opportunities for the youth to create an inclusive society.

AISECT as a group of institutions has ventured in every stage of education be it pre-school education, school education, higher education and vocational education. Through the plethora of programs, academies and platforms, we have trained over 1.6 million people, generated over 12,000 rural entrepreneurs, created employment avenues within the AISECT network for more than 50,000 people and empowered the lives of over 3 million people through innovative services. Our unique model was recognized as "the most sustainable and scalable form of IT penetration and popularization in India" in a pilot study conducted by World Bank in collaboration with IIM-A.

Under skill development initiatives, AISECT has partnered with government of the country at various levels including Central government, State governments and district levels. AISECT has been working primarily in rural and semi urban areas for skilling activities while we have developed significant level of presence in urban areas as well. AISECT's multipurpose centers cover more than 8000 panchayats, hundreds of blocks and more than 320 districts of India. AISECT is an ISO 9001:2008 certified organization committed towards the quality and standards across all operations and verticals.

AISECT has been an active and one of the leading partners of National Skill Development Corporation (NSDC) since 2011. Through its partnership with NSDC, AISECT aims to skill 1.3 million youth in a span of 10 years. AISECT has its headquarters set up at The City of Lakes – Bhopal, Madhya Pradesh with National office at Delhi and 30 other regional offices across India.

AISECT caters through a wide network of services including education, financial inclusion, e-governance, professional training, vocational education and other development projects. In addition, AISECT has also set up three leading Universities of the country in Madhya Pradesh, Chhattisgarh and Jharkhand namely Ravindra Nath Tagore University (formerly AISECT University) Bhopal (M.P.), Dr. C.V. Raman University, Bilaspur (C.G.) and AISECT University, Hazaribag (Jharkhand) and Dr. C.V. Raman University, Vaishali (Bihar) which have been running successfully for over 12 years now, receiving great acclaim at National and State levels.

AISECT Awards : AISECT has been constantly recognized for its innovative and pioneering efforts of ICT intervention for education and skill development in rural and semi-urban areas at various national and international forums.

AISECT is listed in the World Bank-IIM (A) joint study as one of the most successful initiatives on Information & Computer Technology (ICT) for rural development in 1999. Given below are some of the prominent awards received by AISECT from the leading personalities of India including the President of India and the Chief Minister of Bihar.

AISECT's unique business model and its dedicated intervention initiatives have garnered recognition and accolades at both national and international levels. Notable among them are the Schwab Foundation's Social Entrepreneur of the Year Award, Senior Ashoka Fellowship, SKOCH Corporate Leadership Award, NASSCOM IT Innovation Award, Indian Innovation Award, Golden Icon in National e-Governance Award, i4D Award, NASSCOM Emerge 50 Leader Award, TiELumis Entrepreneurial Excellence Award, The Manthan Award South Asia & Asia Pacific, e-India Award, CSI Award for Excellence in IT, Financial Inclusion and Payment Systems (FIPS) Award, e-Gov India Award, National CSI Award, Shiksha Ratna Award, ASSOCHAM National Education Excellence Award and the Bihar Innovation Forum Award. Furthermore, AISECT has been ranked 27th in the 2013 edition of Inc. India magazine's list of 'Top 500 Fastest Growing Mid-Sized Companies in India'.

AWARDS AND TROPHIES WON BY AISECT AND ITS UNIVERSITIES:

The prestigious awards conferred upon during last ten years AISECT include

- Indian Innovation Award – 2005
- Golden Icon National E-Governance Award – 2005
- NASSCOM IT Innovation Award – 2006
- Asian Forum i4D Award – 2007
- NASSCOM Emerge 50 Leader Award – 2009
- TiE Lumis Partners Entrepreneurial Excellence Award – 2009
- Social Entrepreneur of the Year Award – 2010
- National CSI Award – 2011
- E Gov Award for Best ICT in Financial Inclusion – 2011
- Manthan Award South Asia and Asia Pacific for Financial Inclusion and Livelihood – 2012
- World HRD Congress – Best in Class Learning and Development Award – 2013
- World Education Summit Award – 2013
- SKOCH Corporate Leadership Award in Education – 2013
- NSDC Award for Mobilization Campaign – 2013
- Bihar Innovation Forum Award – 2013
- IDA Award for Education – 2014

Dr. A.P.J. Abdul Kalam, Ex-President of India, presenting the NASSCOM IT Innovation Award to Mr. Santosh Choubey, CMD, AISECT

Dr. A.P.J. Abdul Kalam, Ex-President of India, presenting the Indian Innovation Award to Mr. Santosh Choubey, CMD, AISECT

Bihar's C.M., Mr. Nitish Kumar presenting the award to Mr. Abhishek Pandit (Director-Business Services, AISECT)

AISECT's CMD, Mr. Santosh Choubey, receiving the Skoch Renaissance Award 2013 for Excellence in Education from Ex-Union Finance Minister, Mr. P. Chidambaram & Ex-Planning Commission's Deputy Chairman, Mr. Montek Singh Ahluwalia

Mr. Santosh Choubey, CMD, AISECT, receiving the honor from Mr. Kapil Sibal,Former Minister of Human Resource Development and Mrs. Hilde Schwab, Founder of the Schwab Foundation for Social Entrepreneurs

AISECT CMD, Mr. Santosh Choubey (extreme left), receiving the prestigious Golden Icon in National e-Governance Award 2005

Skill Development : AISECT has been involved in skill development and training from the past 25 years and has been training around 1,00,000 students every year. Shouldering this responsibility of skilling the youth in the semi-urban and rural areas because of its huge presence, AISECT became a partner with National Skill Development Corporation setup under the National Skill Development Mission of the Central Government. The MoU was signed in February 2012 through which AISECT has increased its reach to the remotest corners of the country and has been imparting vocational training to semi-urban and rural youth, making them employable. This skill development will be followed by hand-holding support to the students with ensured placement services in the local areas. The trades in the sectors of IT/ITES, Agriculture, BFSI, Textile, Retail, Hardware & Networking and Teacher Education & Training will be covered under the AISECT- NSDC program in the states of Madhya Pradesh, Chhattisgarh, Maharashtra, Punjab, Uttar Pradesh, Gujarat, Bihar and Jharkhand in the initial roll out phase with gradual pan out cross India.

Higher Education: AISECT's rich experience in the education sector over the last 23 years has led to its establishment of some of Rabindranath Tagore University (formerly AISECT University) India's finest Universities & Engineering Colleges. The institutes under this banner are :

Rabindranath TAGORE University, Bhopal, Madhya Pradesh

Madhya Pradesh's first Private University, Rabindranath TAGORE University (Formerly AISECT University) established in 2010 is a leading skill based university of central India. The University is ranked among top 200 universities by NIRF 2017 by MHRD. The University is running programmes in Engineering, Education, Management, Law, Information Technology, Arts, Science, Commerce, Nursing and Paramedical faculties. It focuses on imparting skills and knowledge to empower students for employment and entrepreneurship. The University also created entrepreneurship cell, incubation with start-up cell. The university has also established Pradhan Mantri Kaushal Kendra in the campus. The University is having rich Library, computer centre and advanced research based software lab. The University is known for its research in the areas of renewable energy, material science and seismic energy. In short span of 6 years the university got various awards and accolades at national and international levels.

(L-R) AISECT University's Vice Secretary, Mr. Vijay Singh, Padma Vibhushan Dr. Karan Sing, Prof. Vijay Kant Verma (VC), AISECT University and an ASSOCHAM official at the Award Ceremony

(L-R) Mr.V. Radhakrishnan (State Minister of Education Sri Lanka), Mr. Siddharth Chaturvedi (Governing Body Member AISECT University), Ms. Pallavi Rao Chaturvedi (Governing Body Member AISECT University) Dr. Vijay Singh (Registrar, AISECT University) and Dr. Ayoub Kazim (Managing Director, Dubai Knowledge Village and Dubai International Academic City) during the World Education Summit 2015 Awards in Dubai

Dr. C.V. Raman University Bilaspur, C.G.

This University was established in 2006 as the first private university of Central India. Today, CVRU is one of the premier science, technology and professional Education University having its campus in the tribal area of Kota-Bilaspur in Chhattisgarh. The University is ranked among the top 200 universities by NIRF 2017 by MHRD. The University is also graded as B+ by NAAC. In a span of merely 11 years, the University has transformed the region's access to higher education and have more than 10000 regular students in 25 departments and more than 30000 students in distance education. The University is recognized under Section 2(f) of the UGC Act and is the first university in Chhattisgarh to be awarded an ISO: 9001-2008 Certification. The university's focus is on tribal students. The University is proud to have 27% tribal girl students in Dr. C.V. Raman University. The university is recognized under section 2(f) of UGC Act and is a member of the AIU and recognized by AICTE, NCTE, BCI and DEB. The University is also lauded by various awards at national and international levels. The University has also set up a Pradhan Mantri Kaushal Kendra and the Deen Dayal Upadhyay Kaushal Kendra for skill development on its campus. It has a Research Centre on Bio Technology and is working in fields of Medicinal Plants and in Solar Energy.

(L-R) Mr. V. Radhakrishnan (State Minister of Education, Sri Lanka), Mr. Abhishek Pandit (Governing Body Member, Dr. C.V. Raman University) and Dr. Ayoub Kazim (Managing Director, Dubai Knowledge Village and Dubai International Academic City) during the World Education Summit 2016 Awards in Dubai where Dr. C.V. Raman University won the award in the 'Best and Next Practices in Open and Distance Learning' category

Registrar CVRU, Mr. Sailesh Pandey, receiving the prestigious Rajiv Gandhi Achievers Award 2013 for Education

AISECT University, Hazaribagh, Jharkhand

AISECT University, Hazaribagh established in 2016 is a leading skill based university of Jharkhand. The University is running programmes in Management, Information Technology, Arts, Science and Commerce faculties. It focuses on imparting skills and knowledge to empower students for employment and entrepreneurship. The University also started entrepreneurship cell, incubation with start-up cell. The University is having rich Library, computer centre and. In its first year itself the University got Best Skilling University of Jharkhand award.

Shri Santosh Choubey with Chief Minister and Higher Education, Govt of Jharkhand

Shri Santosh Choubey Chairman AISECT, with Chief Minister of Jharkhand

Minister for Higher Education, Govt. of Jharkand, giving Best Skill University Award to AISECT University.

Shri Santosh Choubey Chairman AISECT, with Governor of Jharkhand

Dr. C. V. Raman University at Vaishali, Bihar

Dr. C. V. Raman University, Vaishali established in 2018 is a leading skill based university of Bihar. The University has started programmes in Management, Information Technology, Agriculture, Arts, Science and Commerce faculties. It focuses on imparting skills and knowledge to empower students for employment and entrepreneurship. The University also started entrepreneurship cell, incubation with start-up cell. The University is having rich Library, computer centre. The also running Patna Sahib Engineering College affiliated to Aryabhatt Knowledge University having Diploma and Engineering Programmes.

Courses for which Entrance Exam is being conducted:

The entrance exam is being conducted for students who would like to get admission into AISECT Group of Universities for the following courses :

List of courses for which AJEE-2018 is being conducted

Rabindranath TAGORE UNIVERSITY
MADHYA PRADESH Where aspirations become achievements.
(Formerly known as AISECT University)

Faculty of Engineering

BE Programs

- BE (Mechanical Engineering)
- BE (Civil Engineering)
- BE (Electrical and Electronics)
- BE (Computer Science)
- BE (Information Technology)

Engineering Diploma Programs

- Civil Engineering
- Mechanical Engineering
- Electrical Engineering

Faculty of Management

- MBA

Faculty of Education

- Bachelor of Education (B.Ed.)
- Bachelor of Education (B.Ed. Part time)
- Bachelor of Physical Education (B.P. Ed.)
- Master of Education (M.Ed.)

Faculty of Law

- BA LL.B.
- LL.B.
- LL.M.

Faculty of Agriculture

- B.Sc. Agriculture

Faculty of Nursing & Paramedical Science

- B.Sc. Nursing
- BPT

AJEE 2018

AISECT JOINT ENTRANCE EXAM

ABOUT AJEE 2018

AISECT JOINT ENTRANCE EXAMINATION (AJEE) is an all India common entrance examination which is conducted for admissions into AISECT GROUP of UNIVERSITIES in MP, CG, Jharkand & Bihar.

The examination is conducted to test the aptitude of candidates throughout the country for various courses offered respectively by the Universities, which include Bachelors and Masters in Engineering, education, law and management amongst others. The examination offers candidates an opportunity to be a part of the AISECT Group of UNIVERSITIES and chose a career from a bouquet of courses that aid students to transform themselves into competitive professionals equipped with optimum skills and expertise for a successful professional career.

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Registration Process for the Applicants

- The registration process is completely online. The list of courses for which AJEE 2018 will be held and their corresponding eligibility criteria is mentioned in the Table of page number 10.
- Interested applicants can register themselves online directly by clicking on the following link http//ajee.aisectonline.com/ajeeonline/AJEEindex.aspx.
- The registration form is available on the link mentioned above. Interested candidates should fill up this form online which also allows them to choose an examination location for appearing for AJEE 2018.
- All fields of the registration form are mandatory and need to be filled correctly for successful enrolment of the candidate for the examination.
- Students need to select the mode of examination (Offline/ Online) while filling up the registration form.
- The photograph of the student needs to be uploaded successfully.
- After successful submission of the form online, the payment for the examination fees needs to be done using online banking, credit card or a debit card;
- After payment of examination fees and successful registration of the candidate, a confirmation of the same will be sent to the applicant by e-mail and SMS.
- The applicant will receive a REGISTRATION NUMBER after completing the registration process successfully.
- Students need to remember their Registration Number and use the same for all future correspondence with us.
- All correspondence with the applicant will be made on the e mail id and mobile number provided to us by the applicant during the registration process.
- For registration through AJEE 2018 information centers, please contact the centers. The contact details of the same are provided on our website/ leading newspaper advertisements.

Syllabus for AJEE 2018

Details of the syllabus that will be applicable under AJEE 2018 for the various courses is mentioned in **Appendix -1**

Admit Card

The admit card for all the registered students will be sent by e-mail to the student's e mail ID. Only valid and correct e mail IDs should be provided in the registration form, otherwise applicants won't be able to receive their admit cards.

Registration Fees

The registration fees per student for AJEE 2018 is ₹ 500.00

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Admission Procedure

The admissions for the respective courses for the universities will be made on the basis of the performance of the candidates in AJEE 2018.

The candidates will be short listed based on their entrance examination marks. A merit list of the successful candidates will be declared on our university websites. The candidates will then be invited for the counselling session for admission in the various courses. Government guidelines would be applicable for final confirmation of admissions in the university programmes.

Scholarships

Scholarship Scheme for reserved category students, minority students, merit students and poor students are available and students eligible for these may avail these scholarships after confirmed admissions. Last year, students of AISECT Group of Universities received scholarships worth more than ₹ 2 Crores.

Mode of Examination

AJEE 2018 will be conducted in both online and offline modes, at select locations across the country. Following would be the examination process for both the modes of examination:

Offline Mode :

- The offline mode of examination would be conducted in selected locations across India. The venue details of the selected centers will be mentioned in our website and our leading newspaper advertisements.
- The candidate will have the option to choose an examination location and the mode of examination while filling up the registration form.
- Examination will be OMR based, multiple choice type questions will be asked in the examination. The candidate will have to choose one option from the given choices as his answer.
- The duration of the examination will be 2 hours and the question paper will contain 100 questions.
- There will be no negative marking for choosing an incorrect option as an answer.
- The candidate can use a black/ blue ball point pen for encircling the options in the OMR sheet.
- A filled sample OMR sheet is provided in **Appendix 5** for reference.

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Online Mode :

- The online mode of examination would also be conducted in selected locations across the country. The venue details of the selected centers will be mentioned in our website and our leading newspaper advertisements.
- The candidate will have the option of choosing an examination center and the mode of examination while filling up the registration form;
- The candidate will receive a user ID and a password that will allow the candidate to access the examination online.
- Multiple choice questions (MCQ) will be asked in the examination and the candidate will have to click on one of the options from the available options provided as an answer.
- The duration of the examination will be 2 hours and the question paper will contain 100 questions.
- There will be no negative marking for choosing an incorrect option as an answer.
- A timer will appear on the computer screen, that will allow the candidate to view the time left for him in the examination.
- The candidate will have the option to flag question that he/ she wishes to answer after attempting rest of the questions
- The candidate will have the option to submit his responses after he has completed the examination. The examination will automatically close after 2 hours.

Examination Centers :

List of cities where the examination will be conducted is available on our website www.ajee.aisectonline.com The same details are also available as options while filling up the registration form. AISECT reserves the discretion to allot a center other than that of the indicated choices, and the students would be informed in advance about any change of their examination centers. All major cities of almost all the states across the country have been included as examination centers.

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Eligibilty Criteria and Pattern of Exam for Courses under AJEE 2018
(For Both Online and Offline Mode)

Name of Examination	Eligibility	Courses Offered	Duration of Course by AU	Nature of Entrance	Duration of Exam.	Number of Exam.	Names of Sections Sections in Exam.	Total Number	Negative Marking of Questions
BACHELOR OF ENGINEERING* (BE)	12th Standard with PCM obtained at least 45% marks (40% in case of SC/ST/OBC)	Mechanical, Civil, Electrical & Electronics, Com. Sc., Electronics & Commu., Electrical	4 Years	Multiple Choice Questions (MCQ)	2 Hours	3	Physics, Mathematics and Chemistry	100	No
ENGINEERING DIPLOMA PROGRAM*	10th Standard (SSC with at least 35 % marks)	Mechanical, Civil, Com. Sc., Electrical, Electrical & Electronics	3 Years	Multiple Choice Questions (MCQ)	2 Hours	3	Physics,	100 Mathematics and Chemistry	No
EDUCATION*	Bachelors or master degree with at least 50% marks (45% in case of SC/ST/OBC) B.Ed. 55% D.Eld. with B.Sc. 1st Div.	Bachelor of Education B.Ed, B.Ed (Part Time) Master of Education (M.Ed.)	2 Years 2 Years	Multiple Choice Questions (MCQ)	2 Hours	6	Aptitude, General, Knowledge	100 General Studies, Numerical Aptitude, Reasoning Ability & Verbal Ability	No
	Bachelors or master degree with at least 50% marks (45% in case of SC/ST/OBC)	Bachelor of Physical Education B.P.Ed	2 Years	Multiple Choice Questions (MCQ)	2 Hours	6	General Knowledge of Games and Sports	40	No
MANAGEMENT*	Bachelors degree with at least 50% marks (45% in case of SC/ST/OBC)	Masters of Business Administration (MBA)	2 Years	Multiple Choice Questions (MCQ)	2 Hours	3	Reading Comprehension, Numerical Ability, Data	100 Interpretation and Logical Reasoning	No
LAW* BA LLB	10+2 examination, obtained at least 45% marks (40% in case of SC/ST/OBC)	BA LL.B	5 Years	Multiple	2 Hours Choice Questions (MCQ)	1	Consolidated	100	No
LLB	Graduation with at least 45% marks (40% in case SC/ST/OBC) no age limit	LLB	3 Years	Multiple	2 Hours Choice Questions (MCQ)	1	Consolidated	100	No
LLM	LL.B. with at least 55%mrks No age limit	LLM	1 Year	Multiple	2 Hours	1	Consolidated	100	No
Agriculture	12th Ag./PCM/PCB	B.Sc. Agri.	$4^{1/2}$ Year	Multiple	2 Hours	1	Consolidated	100	No
Nursing	12th Bio 45%mrks	B.Sc. Nursing	$4^{1/2}$ Year	Multiple	2 Hours	1	Consolidated	100	No
Paramedical	12th Bio 45%mrks	B.P.T.	$4^{1/2}$ Year	Multiple	2 Hours	1	Consolidated	100	No

* Appearing Students for respective eligibility conditions are also Eligible for AJEE 2018

Evaluation and Declaration of Results

Rank List

On the basis of performance in this Exam, Merit lists will be prepared for all courses on an All India basis. Same shall be uploaded on the website www.ajee.aisectonline.com

Rules For Rechecking/ Re Evaluation of Answer Sheets

Since the Answer Sheets are machine graded with extreme care and repeatedly scrutinized, there is no provision for re checking/ re-evaluation of Answer Sheet. No correspondence in this regard will be considered. However, any genuine queries regarding this matter will be duly replied to.

Verification of Documents

Verification of documents will be done at the time of Counselling/ Admission. The purpose would be to verify different records regarding identification, age, qualifying examination, state of eligibility and category of the candidate. On failing to establish any of the documents, the candidate will not be considered for admission.

Legal Jurisdiction

All legal suits and actions arising out of or relating to AJEE 2018 shall be instituted within the jurisdiction of courts of Bhopal, Madhya Pradesh only.

AJEE 2018 : IMPORTANT DATES

Online Registration Start	- 15th March, 2018
Last Date for Online Registration	- 2nd May, 2018 Online
Dowan load Admit Card	- 3rd May 2018
Examination Date Offline	- 6th May 2018
Online	- 7 th May to 25th 2018
Result Declaration	- 30th May 2018

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Appendix - 1

Syllabus for various courses under AJEE

Syllabus for Bachelor of Engineering (BE)

Mathematics

Unit 1 : Sets, Relations and Functions
Unit 2 : Complex Numbers and Quadratic Equations
Unit 3 : Matrices and Determinants
Unit 4 : Permutations and Combinations
Unit 5 : Mathematical Induction
Unit 6 : Binomial Theorem and its Simple Applications
Unit 7 : Sequences and Series
Unit 8 : Limit, Continuity and Differentiability
Unit 9 : Integral Calculus
Unit 10 : Differential Equations
Unit 11 : Co-ordinate Geometry
Unit 12 : Three Dimensional Geometry
Unit 13 : Vector Algebra
Unit 14 : Statistics and Probability
Unit 15 : Trigonometry
Unit 16 : Mathematical Reasoning

Physics

Unit 1 : Properties of Solids and Liquids
Unit 2 : Physics and Measurement
Unit 3 : Work, Energy and Power
Unit 4 : Kinetic Theory of Gases
Unit 5 : Oscillations and Waves
Unit 6 : Rotational Energy
Unit 7 : Thermodynamics
Unit 8 : Laws of Motion
Unit 9 : Kinematics
Unit 10 : Gravitation
Unit 11 : Electrostatics
Unit 12 : Current Electricity
Unit 13 : Magnetic Effects of Current and Magnetism
Unit 14 : Electromagnetic Induction and Altering Currents
Unit 15 : Electromagnetic Waves
Unit 16 : Optics
Unit 17 : Dual Nature of Matter and Radiation
Unit 18 : Atoms and Nuclei
Unit 19 : Electronic Devices
Unit 20 : Communication Systems
Unit 21 : Experimental Skills

Chemistry

Physical Chemistry

Unit 1 : Some Basic Concepts
Unit 2 : States of Matter
Unit 3 : Atomic Structure

Unit 4 : Chemical Bonding and Molecular Structure
Unit 5 : Chemical Thermodynamics
Unit 6 : Solutions
Unit 7 : Equilibrium
Unit 8 : Redox Reactions and Electrochemistry
Unit 9 : Chemical Kinetics
Unit 10 : Surface Chemistry

Inorganic Chemistry

Unit 11 : Classification of Elements and Periodicity in Properties
Unit 12 : General Principles and Processes of Isolation of Metals
Unit 13 : Hydrogen
Unit 14 : S-Block Elements (Alkali and Alkaline Earth Metals)
Unit 15 : P-Block Elements
Unit 16 : D and F-Block Elements
Unit 17 : Co-ordination Compounds
Unit 18 : Environmental Chemistry

Organic Chemistry

Unit 19 : Purification and Characterization of Organic Compounds
Unit 20 : Some Basic Principles of Organic Chemistry
Unit 21 : Hydrocarbons
Unit 22 : Organic Compounds Containing Halogens
Unit 23 : Organic Compounds Containing Oxygen
Unit 24 : Organic Compounds Containing Nitrogen
Unit 25 : Polymers
Unit 26 : Biomolecules
Unit 27 : Chemistry in Everyday Life
Unit 28 : Principles Related to Practical Chemistry

Polytechnic Entrance Examination Syllabus

Physics

Physical world and measurement, Kinematics, Laws of Motion, Work, Energy and Power Motion of System of Particles and Rigid Body, Gravitation, Properties of Bulk Matter Thermodynamics, Behaviour of Perfect Gas and Kinetic Theory, Oscillations and Waves.

Chemistry

Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, States of Matter :Gases and Liquids, Thermodynamics, Equilibrium, Redox Reactions, Hydrogen, S-Block Element (Alkali and Alkaline earth metals), Some P-Block Elements, Organic Chemistry-Some Basic Principles and Techniques, Hydrocarbons, Environmental.

Maths

Sets, Relations and Functions, Complex Numbers and Quadratic Equations, Matrices and Determinants, Permutations and Combinations, Sequences and Series.

Syllabus B.A.LL.B Entrance Examination

सामान्य निर्देश : परीक्षा में निम्नलिखित भागों से प्रश्न पूछे जा सकते है।

1. English including comprehension

The English section will test the candidates' proficiency in English based on comprehension passages and grammar. In the comprehension section, candidates will be questioned on their understanding of the passage and its central theme, meanings of words used therein etc. The grammar section requires correction of incorrect grammatical sentences, filling of blanks in sentences with appropriate words, etc.

1 अंग्रेजी कम्प्रेहिंशन :

इस भाग में उम्मीदवारों की अंग्रेजी में दक्षता का परिक्षण,गद्यांश तथा ग्रामर पर आधारित होगा। कम्प्रेहेंसन वाले भाग में उम्मीदवारों से गद्यांश की समझ के बारे में प्रश्न किये जायेंगे तथा इसमें गद्यांश का सारांश व शब्दों का अर्थ होगा द्यव्याकरण के भाग में वाक्यों का शुद्धिकरण, अशुद्ध वाक्य से सही वाक्य बनाना रिक्त स्थानों को सही शब्दों से पूर्ति करना।

2. General Knowledge and Currents Affairs

The candidates will be tested on their general awareness including static general knowledge. Questions on current affairs will test candidates on their knowledge of current affairs (broadly defined as matters featuring in the mainstream media between March 2014 to April 2017)

2. सामान्य ज्ञान तथा अद्यतन मामले :

इस भाग में उम्मीदवारों का परिक्षण उनके सामान्य ज्ञान तथा आधुनिकतम ज्ञान पर आधारित होगा सम्मान्य ज्ञान मुख्यत: राष्ट्र की मुख्य धारा से सम्बंधित प्रश्न वर्ष 2014 से अप्रैल 2017 के मध्य के प्रश्न होंगे।

3. Mathematics

This section will test candidate's knowledge on elementary mathematics, i.e. maths taught up to Class X.

3. गणित :

इस भाग में उम्मीदवारों का परीक्षण गणित के मूल तत्व कक्षा 10 तक के प्रश्न पूछेजायेगे।

4. Legal Aptitude

This section will test candidate's interest towards study of law, research aptitude and problem solving abilities. Questions will be framed with the help of legal propositions (described in the paper), and a set of facts to which the said proposition has to be applied. Some propositions may not be "true" in the real sense (e.g. the legal proposition may be that any person who speaks in a movie hall and disturbs others that are watching the movie will be banned from entering any movie theater across India for one year). Candidates will have to assume the "truth" of these propositions and answer the questions accordingly

4. विधिक अभियोग्यता :

इस भाग में उम्मीदवारों की विधि में अध्ययन एवं रूचि का परिक्षण किया जायेगा, शोध समस्या को हल करने की अभियोग्यता के प्रश्नों का विधिक सम्बन्ध विशेषण (प्रिपोजीसन) की सहायता से पूछे जायेंगे।

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5. Logical Reasoning

The purpose of the logical reasoning section is to test the candidate's ability to identify patterns, logical links and rectify illogical arguments. It will include a wide variety of logical reasoning questions such as syllogisms, logical sequences, analogies, etc. However, visual reasoning will not be tested.

5. विधिक तार्किकता :

विधिक तार्किकता के भाग का उद्देश्य उम्मीदवार की तार्किक एवं अतार्किक, तर्कों को पहचानने की योग्यता का परिक्षण करना और इसमें युक्तियुक्त तार्किक प्रश्न का क्रम का परिक्षण किया जायेगा।

L.L.B 3 years Entrance Examination Syllabus

1. General Knowledge and Currents Affairs

The candidates will be tested on their general awareness including static general knowledge. Questions on current affairs will test candidates on their knowledge of current affairs (broadly defined as matters featuring in the mainstream media between March 2014 to April 2017)

1.सामान्य ज्ञान तथा अद्यतन मामले :

इस भाग में उम्मीदवारों का परिक्षण उनके सामान्य ज्ञाान तथा आधुनिकतम ज्ञाान पर आधारित होगा सामान्य ज्ञाान मुख्यत: राष्ट्र की मुख्य धारा से सम्बंधित प्रश्न वर्ष 2014 से अप्रैल 2017 के मध्य के प्रश्न होंगे। इस भाग में उम्मीदवारों का परीक्षण गणित के मूल तत्व कक्षा 10 तक के प्रश्न पूछे जायेंगे।

2. Legal Aptitude

This section will test candidate's interest towards study of law, research aptitude and problem solving abilities. Questions will be framed with the help of legal propositions (described in the paper), and a set of facts to which the said proposition has to be applied. Some propositions may not be "true" in the real sense (e.g. the legal proposition may be that any person who speaks in a movie hall and disturbs others that are watching the movie will be banned from entering any movie theater across India for one year). Candidates will have to assume the "truth" of these propositions and answer the questions accordingly.

2. विधिक अभियोग्यता :

इस भाग में उम्मीदवारों की विधि में अध्ययन एवं रूचि का परिक्षण किया जायेगा, शोध समस्या को हल करने की अभियोग्यता के प्रश्नों का विधिक सम्बन्ध विशेषण (प्रपोजीसन) की सहायता से पूछे जायेंगे।

3. Logical Reasoning

The purpose of the logical reasoning section is to test the candidate's ability to identify patterns, logical links and rectify illogical arguments. It will include a wide variety of logical reasoning questions such as syllogisms, logical sequences, analogies, etc. However, visual reasoning will not be tested.

3. विधिक तार्किकता :

विधिक तार्किकता के भाग का उद्देश्य उम्मीदवार की तार्किक एवं अतार्किक, तर्कों को पहचानने की योग्यता का परिक्षण करना और इसमें युक्तियुक्त तार्किक प्रश्न का क्रम का परिक्षण किया जायेगा।

LL.M. ENTRANCE EXAM SYLLABUS

The paper of the Admission Test shall comprise 100 multiple choice question Each question carries 1 marks.

I) Constitutional Law of India,
ii) Jurisprudence,
iii) Law of Contract ,
iv) Indian Penal Code,
v) law of Torts,
vi) Hindu Law,
vii) Muslim Law,
viii) Public International Law and Human Right,
ix) Administrative Law,
x) Transfer of Property Act
xi) General knowledge

INTERVIEW – 50 MARKS

List of Qualifying Examinations

!. The +2 level examination in the 10+2 pattern of examination of any recognized Central / State Board Secondary Examination, such as Central Board of Secondary Education, New Delhi, and council for Indian School Certificate Examination, New Delhi. For general candidates the qualification marks is minimum 45% and for SC/ST/OBC the qualification marks is minimum 40%.

II. Intermediate or two-year pre-university examination conducted by a recognized Board/University.

III. Final examination of the two-year course of the Joint Services Wing of the National Defense Academy.

IV. Any Public School/Board/University Examination in India or in foreign countries recognized by the Association of Indian Universities as equivalent to 10+2 system.

V. H.S.C Vocational Examination.

A pass grade in the Senior Secondary School Examination conducted by the National Open School with a minimum of five subjects.

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Syllabus MBA Entrance Examination

Syllabus and Pattern

The question paper consists of 100 questions with duration of 150 mts. The question paper will have 5 parts with the following topics:

परीक्षा योजना और पाठ्यक्रम विवरण

प्रवेश परीक्षा में 100 पूर्णांक का प्रश्न पत्र होगा। प्रश्न पत्र को हल करने का समय 2 घंटे 30 मिनिट रहेगा।

प्रश्न पत्र को पॉच भागों में विभक्त किया गया है जो निम्नविषयानुसार है

Part 1. Data Interpretation : (20 Questions)

To evaluate the candidate's ability to pick out critically the data and apply the data to business decisions from given typical business situations.

- Data Interpretation based on text, Data Interpretation based on graphs and tables.
- Graphs can be Column graphs, Bar Graphs, Line charts, Pie chart, Graphs representing Area, Venn Diagram, etc.

इकाई–1 डेटा व्याख्या (20 प्रश्न)

- **इस भाग में उम्मीदवार को आकडों का मूल्याकन करने की क्षमता एवं आकडों का उपयोग व्यापार मे किस तरह से किया जाता है इसका आकलन किया जायेगा।**
- **प्रारूप व्याससायिक स्थिति निर्णय, डेटा व्याख्या पाठके आधार पर,डेटा व्याख्या ग्राफ और टेबल के आधार पर**
- **ग्राफ स्तंभ क्या ग्राफ किया जा सकता है, दंड आरेख, पक्ति चार्ट, पाई चार्ट, ग्राफ का प्रतिनिधित्व का ..... बेन आरेख आदि**

Part 2. Quantitative : (20 Questions)

To evaluate the skill on solving mathematical problems of graduate level including those learnt in plus two or equivalent level.

- Ratios and Proportion, Ratios, Percentages, In - equations, Algebra and Profit & Loss.
- Averages, Percentages, Partnership & Time - Speed - Distance, Work and time.
- Probability, Permutations & Combinations.

इकाई–2 मात्रात्मक (20 प्रश्न)

- **स्नातक स्तर पर गणित की समस्या का अवलोकन इन भाग से किया जायेगा।**
- **अनुपात और अनुपात, अनुपात प्रतिशत,समीकरण, बीजगणित, लाभ और हानि**
- **औसत, प्रतिशत,भागीदारी,समय–गति–दूरी, कार्य और समय**
- **संभावना, क्रमपरिवर्तन, संयोजन**

Part 3. Reasoning : (20 Questions)

To evaluate the candidate's skill on Logical reasoning

- Critical reasoning, Visual reasoning, Assumption - Premise - Conclusion, Assertion and reasons, Statements and assumptions, identifying valid inferences, identifying Strong arguments and Weak arguments, Statements and Conclusions, Cause and Effect, Identifying Probably true, Probably false, definitely true, definitely false kind of statement, Linear arrangements, Matrix arrangements.

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- Puzzles, Syllogisms, Functions, Family tree - identifying relationship among group of people, Symbol Based problems, Coding and decoding,
- Sequencing, identifying next number in series, etc.

इकाई–3 विचार (20 प्रश्न)

- इस भाग में उम्मीदवार का तार्किक तर्क का मूल्याकंन किया जायेगा।
- महत्वपूर्ण तर्क, दृश्य तर्क, कल्पना–आधार–निष्कर्ष, दावे और कारण, बयान और मान्यता, वैध अनुमान की पहचान, मजबूत तर्क और कमजोर तर्क की पहचान, बयान और निष्कर्ष, कारण और प्रभाव, सत्य और असत्य की पहचान, निश्चित सत्य, निश्चित असत्य, बायन के प्रकार, रेखिय व्यवस्था, मैट्रिक्स व्यवस्था
- पहेलिया, न्याय, कार्य, वंश–वृक्ष समूह में रिश्तों की पहचान, प्रतीक आधारित समस्या, कोर्डिंगऔर डिकोर्डिंग, अनुक्रमण, श्रृंखला में अगली संख्या की पहचान

PART 4 : ENGLISH : (20 Questions)

To evaluate the skill of the candidate on written English with questions on errors in usage, grammar, punctuation and the like.

- Comprehension of passage
- Verbal Reasoning, Syllogisms, Antonyms, Fill in the Blanks, Jumbled paragraphs with 4 or 5 sentences
- Sentence Correction, Sentence completion, Sentence Correction, odd man out, idioms, one word substitution, Different usage of same word etc.

PART 5 : GK/CA/BA : (20 Questions)

To evaluate the candidate's skill on General knowledge, current affairs and Business Affairs

- Current Affairs, Business, Punch line of companies, Top officials of big companies, Major corporate events
- Famous award and prizes
- Science, History, Geography, International organizations
- Social issues, Sports, Finance, Automobiles, Entertainment, Politics etc.

इकाई–5 सामान्य ज्ञान/सामायिक घटना/ व्यापारिक घटना (20 प्रश्न)

- उम्मीदवार को सामान्य ज्ञाान, सामायिक घटना और व्यापारिक घटना का मूल्यांकन करना
- सामान्य ज्ञाान,व्यापार, कम्पनी की पंच लाइन, बडी कम्पनी के शीर्ष अधिकारी, कम्पनी की प्रमुख घटना।
- प्रमुख पुरस्कार व उपहार
- विज्ञाान, इतिहास,भूगोल,अन्तराष्ट्रीय संगठन
- सामाजिक मुद्दे, खेल, वित्त, ऑटोमोबाइल, मनोरंजन, राजनिति, आदि

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बी.एड.प्रवेश परीक्षा हेतु पाठ्यक्रम

Syllabus of B.Ed. Entrance Examination

भाग–1

सामान्य मानसिक योग्यता (30 अंक)

तर्ककरना, संबंध देखना, एनालॉजी, आंकिक योग्यता, आकाशीय संबंध, विषमता को पहचानना, आंकिक श्रोणी, अक्षर श्रोणी, अक्षर, अंक और चित्रों द्वारा संबंध देखना, सांकेतिक भाषा, छुपे हुए चित्र, अंक एवं आकृति, गणितीय संक्रियाएं, चित्रों का मिलान, घन संबंधी समस्याएं एवं विभिन्न प्रकार के पैटर्न इत्यादि।

Part-1

GENERAL MENTAL ABILITY

Reasoning, Seeing relationship, Analogies, Numerical ability and Spatial relationship, Odd man out, Number series, Letter series, Relationship through letters, numbers and figures, Code language, Hidden figures, Mathematical operations, Matching figures, Cube problems and Patterns of different kinds etc.

भाग–2

सामान्य चेतना (20 अंक)

सामान्य विज्ञाान खंडको छोड्कर शेष सभी खंडों का स्तर मध्यप्रदेश के विशेष संदर्भ एवं भारत तक सीमित होगा।

1. भारतीय इतिहास भारतीय सांस्कृतिक विकास, ऐतिहासिक घटनाऐं,भारतीय स्वतंत्रता का इतिहास 1857 से 1947 तक, 1947 के बाद के घटनाक्रम।
2. राजनीति विज्ञाान मौलिक कर्तव्य एवं अधिकार, शिक्षा, भाषा, सांस्कृतिक, राष्ट्रीय एकता, नागरिकता, मताधिकार, राष्ट्रीय प्रतीक तथा राष्ट्रीय व्यक्तित्व, लोकसभा, राज्य सभा संबंधी मुख्य संवैधानिक प्रावधान।
3. अर्थशास्त्र सामाजिक एवं आर्थिक विकास, जनसंख्या परिप्रेक्ष्य, सकल राष्ट्रीय उत्पाद और प्रति व्यक्ति आय, शिक्षा का बजट–राष्ट्र एवं राज्य, नियोजन प्रक्रिया, कृषि, ग्रामीण विकास, औद्योगिक एवं व्यापारिक विकास, भारतीय अर्थव्यवस्था, बैंक प्रणाली, रोजगार समस्या, वर्तमान आर्थिक घटनाक्रम।
4. भूगोल प्राकृतिक संसाधन एवं संपदा, पर्यावरण एवं पारिस्थिति की, भारत के राज्यों की भौगोलिक विशेषताऐं।
5. सामान्य विज्ञाान मुख्य आविष्कार एवं आविष्कारक, स्वास्थ्य एवं स्वास्थ्य विज्ञाान, सामान्य वैज्ञाानिक घटनाऐं।
6. समसामयिक घटनाक्रम एवं खेल–कूद।

Part-2

GENERL AWARENESS

The focus will be limited to India and with special reference to Madhya Pradesh, except in the area of General Science.

1. Indian History Indian Cultural Development, Historical events, History of Indian Independence (1857 to 1947), Development after 1947.
2. Political Science Fundamental Duties and Rights, Important

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Provisions of Constitution regarding Education, Language, Cultural, National unity, Citizenship, Franchise, National Symbol and National Personalities, Parliament Assemblies.

3. Economics Socio-Economic Development, Population Perspectives, Gross National Product, Per Capita Income, Education Budget - State and Country, Planning Process, Agriculture, Rural Development, Industrial and Commercial Development, Indian Economy, Banking System, Employment Problem, Current Economic Events.
4. Geography Natural Resources and Wealth, Environment and Ecology, Geographical features of Indian States.
5. General Science Important Inventions and Inventors, Health and Hygiene, General Scientific Phenomenon.
6. Current Affairs and Sports.

सामान्य हिन्दी एवं अंग्रेजी (कुल अंक 20)

सामान्य हिन्दी (10 अंक)

अ. व्याकरण

1 वर्णमाला –स्वर, व्यंजन, अयोगवाह, अनुनासिक, अनुस्वार
2 संज्ञाा पद, सर्वनाम, विशेषणऔरअव्यय, क्रिया विशेषण का व्यावहारिक प्रयोग
3 समास –रचना एवंप्रकार
4 संधि –नियम एवंप्रकार
5 कथन (वाक्य रचना) के प्रकार–विनम्रता सूचक, विधि–निषेध, काल–बोध, स्थान एवं दिशा बोध
6 कारण–कार्य संबंध, अनुक्रम
7 व्याकरणिक अशुद्धियां

ब. शब्दबोध

1 शब्द रचना–उपसर्ग, प्रत्यय एवं इनके अर्थमूलक प्रभाव,
2 शब्द प्रकार–तत्सम, तद्भव, देशज, विदेशी, संकर, नवनिर्मित,
3 शब्दार्थ –पर्यायवाची, विलोमार्थी, अनेकार्थी, युग्म
4 अशुद्धि संशोधन–उच्चारणगत, वर्तनीगत, शब्द व शब्दार्थगत
5 हिन्दी के पारिभाषिक एवंतकनीकी शब्द, पारिभाषिक शब्दनिर्माण के आधार
6 पारिभाषिक शब्द–प्रशासनिक, मानविकीय, वाणिज्यिक

स. रचना

(क) प्रतिवेदन
(ख) आदेश
(ग) ज्ञापन
(घ) अधिसूचना
(ड.) परिपत्र
(च) अनुस्मारक
(छ) पृष्ठांकन, मुहावरे तथा लोकोक्तियॉ, अर्थ एवं प्रयोग, गद्यांश एवं अवबोध प्रश्न

द. 1. मानक भाषा–स्वरूप एवं लक्षण
2. वाक्य रचनागतअशुद्धियों की पहचान
22 छंद15

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Appendix - 2

1 Simple and Compound Sentences
2 Type of Clauses
3 Transformation of Sentences
4 Tenses
5 Change of Voice and Narration
6 Modals
7 Verb Structures
8 Tag Questions
9 Propositions
10 Prefixes and Suffixes
11 Synonyms and Antonyms
12 Reading Comprehension-Comprehension of a passage containing about 300 words dealing with a subject of general nature followed by multiple choice questions.

भाग–4

शैक्षणिक अभिरूचि (30 अंक)

बच्चों के प्रति अभिवृत्ति, अनुकूलन की योग्यता, व्यवसाय संबंधी सूचनाएं एवं जानकारी, शिक्षकीय वृत्ति में रूचि।

Part-4

Teaching Aptitude

Aptitude towards Children, Adaptability, Professional Information and Interest in Teaching Profession.

बी.पी.एड. पाठ्यक्रम प्रवेश परीक्षा हेतु पाठ्यक्रम

बी.पी.एड पाठ्यक्रम हेतु 50 प्रतिशत अंकों के साथ किसी विषय में स्नातक डिग्री और कम से कम एआईयू/आईओए/एसजीएफआई /भारत सरकार द्वारा यथामान्यता प्राप्त खेलकूद में अंतर–कॉलेज/ अंतर–क्षेत्रीय/ जिला/ स्कूल प्रतियोगिता में भागीदारी की हो।

अथवा

45 प्रतिशत अंकों के साथ शारीरिक शिक्षा में स्नातक डिग्री।

अथवा

45 प्रतिशत अंकों के साथ किसी विषय में स्नातक डिग्री तथा एक अनिवार्य विषय/वैकल्पिक विषय के रूप में शारीरिक शिक्षा का अध्ययन किया हो।

अथवा

45 प्रतिशत अंकों के साथ स्नातक डिग्री और राष्ट्रीय/अंतर–विश्वविद्यालय /राज्य प्रतियोगिता में भाग लिया हो अथवा एआईयू/आईओए/एसजीएफआई/भारत सरकार द्वारा यथामान्यता प्राप्त खेलकूद में अंतर–कॉलेज/ अंतर–क्षेत्रीय/ जिला/ स्कूल प्रतियोगिता में प्रथम, द्वितीय अथवा तृतीय स्थान प्राप्त किया हो।

अथवा

अंतरराष्ट्रीय प्रतियोगिताओं में भागीदारी के साथ स्नातक डिग्री अथवा संबंधित संघों/एआईयू/आईओए/एसजीएफआई/भारत सरकार द्वारा यथा मान्यता प्राप्त खेलकूद में राष्ट्रीय/अंतर–विश्वविद्यालय प्रतियोगिता में प्रथम, द्वितीय अथवा तृतीय स्थान प्राप्त किया हो।

अथवा

45 प्रतिशत अंक के साथ स्नातक डिग्री और कम से कम तीन वर्ष का शिक्षण अनुभव (प्रतिनियुक्त सेवाकालीन आवेदकों के लिए अर्थात् प्रशिक्षित शारीरिक शिक्षा शिक्षक/कोच)। अनुसूचित जाति तथा अनुसूचित जन जाति के आवेदकों के लिए अर्हतादायी अंकों में 05 प्रतिशत की छूट रहेगी।

प्रवेश प्रक्रिया – बी.पी.एड.

पाठ्यक्रम में प्रवेश, प्रवेश परीक्षा के प्राप्तांक, फिज़िकल फिटनेस टेस्ट, अर्हताकारी परीक्षा तथा स्पोर्ट्स प्रोफेशियेंसी में अर्जित बोनस अंकों के सम्मिलित योग के आधार पर निर्मित समेकित मेरिट सूची एवं आवेदकों द्वारा व्यक्त वरीयताओं के आधार पर ऑनलाईन काउंसलिंग के माध्यम से गुणानुक्रम से होंगे।

बी.पी.एड. हेतु : प्रवेश परीक्षा में 40 अंकों का एक बहुविकल्पीय प्रश्नपत्र होगा एवं इसका पाठ्यक्रम निम्नानुसार विभाजित होगा –

क्र.	विधा	प्रश्न संख्या	अंक
1.	विभिन्न खेलों का सामान्य ज्ञान *(General Knowledge of different Games and Sports)*	*10*	*10* अंक
2.	खेलों में पुरस्कार एवं सम्मान *(Awards and Honours in Games and Sports)*	*10*	*10* अंक
3.	खेलों से संबंधित प्रतियोगिताएँ, ट्रॉफीयॉ, शब्दावली एवं संक्षेपण *(Trophies / Competition, Terminologies and Abbreviations in Games and Sports)*	*10*	*10* अंक
4.	खेलों की अन्तराष्ट्रीय प्रतियोगिताएँ *(International Competitions in Games and Sports)*	*10*	*10* अंक
		कुल	40

PARAMEDICAL SCIENCE AND NURSING SYALLABUS

❒ **Bachelor of Physiotherapy** *(BPT)*

❒ **Bachelor of Science** *(B.Sc.)* **Nursing**

Syllabus of Physics

Acceleration Due To Gravity, Dimensional Analysis, Electromagnetism, Electronics, Electrostatics, Escape Velocity, Gas Laws, Geostationary Satellites, Heat Conduction, Hooke's Law, Kinetic Energy, Kinetic Theory Of Gases, Optics, Oscillations, Shear And Bulk Modulus, Speci c Heats, Surface Energy, Units And Dimensions, Universal Law Of Gravitation, Young's Modulus

Syllabus of Chemistry

Biomolecules, Calculation of Empirical And Molecular Formula, Chemical Analysis, Chemical Kinetic, Chemical Bond, Equilibrium, Chemical Periodicity, Study Of Elements, Co-Ordination Compounds, Electrochemistry, Ionic Equilibria In Solutions, Nomenclature Of Organic Compounds, Nuclear Chemistry, Organic Compounds., Polymers, Preparation Properties, Principles Of Metallurgical Operations, Solid State, Solutions, Structure Of Atom, Surface Chemistry, Thermo Chemistry And Thermodynamic, Transition.

Syllabus of Botany

Difference Between Prokaryote And Eukaryotes, Ecosystem, Elementary Knowledge Of Microsporogenesis, Enzymes And Growth Hormones With Reference To Their Classi cation, Improvement Of Crops, Kingdom Classi cation Binomil Nomenclature, Mendel's Laws Of Inheritance, Principle Of Plant Breeding And Its Role In, Role Of Plants In Human Welfare, Structural Organization Of Cell, Cell Theory, Tissues And Tissues Systems.

Syllabus of Zoology

Endocrine Glands Of Man And Hormonal Co- Ordination, Endocrine System With Special Reference To Various, Histology Of Manmalian Oargans Skeleton, Joints, Muscles On The Basic Of Movement Receptors, Structure And Function Of Animal Tissues Epithelial, Structure And Physiology Of Different Organ Systems Of Human Body, Vitamins & Minerals.

AGRICULTURE *(Arts and Science Group)* (Ag.)

1. *Introduction (i) Importance and scope of Agriculture in our National Economy and Development. (ii) Measures to be adopted for increasing the yeild of crops.*
2. *Meteorology (i) Distribution of crop Zones depending upon the rainfall in M.P. (i.e.) Weather recording-Rainfall, Temperature, Humidity and atmospheric pressure.*
3. *Soils (i) Importance of Soil, Soil texture, soil structure, mineral matter, soil organic matter, soil and organism (ii) Different soil of M.P. and their Characteristics (iii) causes of infertility and ways to improve them.*
4. *Tillage (i) Definition of tillage, tillage operations such as ploughing, harrowing interculture etc. (ii) Tillage implements-Country plough, improved plough, harrows, cultivators, thresheres, winnower and seed drills.*
5. *Manures and Fertilizers (i) Major and minor plant nutrients (ii) organic manures F.Y.M. compost, Green manures, Oil cakes (iii) Inorganic Fertilizers - Nitrogenous, phosphatic and Potash Fertilizers.*
6. *Weeds and weed Control (i) Defination of weeds, damage caused by weeds (ii) Weed control methods mechanical Biological and Chemical.*
7. *Inrrigation and Drainage (i) Need Objects of irrigation and drainage (ii) Sources of irrigation and drainage.*
8. *Cropping Schemes: Importance and principles of Crop-rotation, mixed cropping, multi cropping, Dry farming. Crop Producation (i) Classification of crops(ii) Cultivation of following crops with reference to their land preparation, manuring, sowing, seed rate, irrigation, interculture, imporved varieties, control of diseases and pests, yield per hectare, Major crops paddy, Wheat, Jowar, ground nut and cotton Minor Crops-Arhar, Moong, Soybean, Linseed and Mustard.*
10. *Introduction(i) meaning and scope of Horticulture (ii) Planting system, pruning, training and intercropping (iii) Elementary idea regarding ornamental plants, annuals, shrubs, trees hedges.*
11. *Cultivation of fruit plants (ii) propagation of plants-cutting, budding, layering gootee, grafting and inarching (iii) Elementary idea regarding ornamental plants, annuals, shrubs,trees hedges.*
12. *Cultivation of vegetables (i) classification of vegetalbe as per family seasons and uses (ii) cultivation of Potato, Cauliflower, Radish, Onion, Tomato, Brinjal, bhindi and Chillies. 13. Fruit and vegetable preservation (i) General principles and methods of fruit and vegetable preservation.*
14. *Animal Husbandry (i) Important breeds of cow and buffaloes (ii) care maintenance and housing of cattles (iii) Principles of feeding and balanced ration of cattles.*
15. *Milk and milk testing (i) composition of milk of cows and buffaloes (ii) Testing of milk by lactometer.*
16. *Milk products and Dairy machines (i) Preparation of Cream, ghee, Butter, Khoya and Dahi (ii) Construction of working of cream separator.*
17. *Diseases of Cattles (i) Sings of sick animal (ii) Common diseases of cattle, their prevention and control.*
18. *Poultry Farming (i) Important Poultry breeds and their characteristics (ii) Warehousing and feeding of Poultry breeds (iii) Hatching of egg by natural and artificial methods (iv) Grading and marketing of eggs (v) Common diseases of poultry, their prevention and control.*

SECOND PAPER- CROP PRODUCTION AND HORTICULTURE (AG-2) (100 Q)

1. (i) Introduction and activities of agriculture and crop production, (ii) Importance of crop production in National Economy (iii) Different Branches of Farming and their importance.
2. Soil and Soil Fertility : (i) Soil and its constitutents (ii) Physical properties of Soil-Soil texture and Structure porespace, specific gravity, plasticity, cohesion and soil temperature (iii) Formation of soil-classification of soil in M.P. and their characteristics (iv) Soil corrosion its kind, their causes and control, measures of soil conservation (v) Soil acidity and alkalinity and their reclaimation soil-pH.
3. Tillage : (i) Object of tillage, tillage operations, ploughing, levellling, harrowing, intercultivation (ii) Tillage implements, country plough imporoved ploughs, harrows and cultivators, threshers, winnowers and seed drills, tractor driven implements.
4. Manures and Fertilizer (i) Essential element for plant growth (ii) Description and uses of organic manures. F.Y.M. Compost green manures (iii) Differnet Nitrogenous, Phosphate and potash Fertilizers, properties and uses.
5. Production of crops: (i) Classification of crops according to seasons and economic classification (ii) Cultivation of Kharif Crops- Jowar, Maize, Groundnut, Cotton, Paddy, Soybean, Arhar, Urad, Moong (iii) Rabi crops-Wheat, Linseed, Mustard, Sugarcane, Gram, Barely under following heads 1. Preparation of land 2. sowing operation 3. Seed rate per hectare 4.Manures and fertilizer 5. irrigation 6. Interculture and weeding 7. Imporved varieties 8. Yield per Hectare 9. Disease: pests and their control.
6. Irrigation land Drainage : (i) object of irrigtion and drainage (ii) sourcs of irrigation and drainage (iii) Method of irrigation and drainage (iv) Water requirements of crops (v) Duty and discharge of water, (vi) Common water lifts. Diesel and electric pumps.
7. Weed and weed control.
8. Cropping scheme, importance of principles if: (i) Crop rotation (ii) Principle cropping (iii) Mixed and inter cropping (vi) Dry farming (v) Cooperative farming.
9. Elementary Surveying-Importance of Surveyng. elementary survey with the help of chains, instruments used in survey as optical square, cross staff offset rod, dumpy level, recording of field book.
10. Introduction (i) Importance and scope of Horticulture (ii) Pomology - Location and layout. (iii) Planting system - training, pruning, inter-cropping, winds breaks, protection from frost and sun burn (vi) care maintenance and rejuvenation of fruit, orchards.
11. Vegetable Gardening (i) Kitchen gradening (ii) Cultivation of Radish, Carrot, cole crops, Onion Brinjal, Chilies, Tomato potatoes.
12. Fruit cultivation (i) Vegetative propagation-Budding, inarching and Goottee cutting, Grafting and layering (ii) Cultivation of Papaya, Banana, Grapes, Mango, Guava and citrus frruits.
13. Ornamental Gardening (i) General Cultivation of Winter and summer season annuals (ii) Ornamental and flowering plants. Trees shrubs, climbers, hedges and hedges plants. (iii) common ornamental and flowering plants e.g. Rose, Canna and chrysanthemum (iv)Preparation and maintenance of lawns.
14. Fruit and Vegetable preservation- Canning and bolt ling Technique (i) Simple canning and botting techniques use of suitable containers like aluminised plastic and paper (ii) Washing, Blandching and peeling of fruit

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and Vegetables, trading of fruits for canning.

15. Preservation of Fruits and Vegetables (i) General principles and methods of fruit and vegetable preservation (ii) Processing by heat, preservation by antiseptic drying, preservation by fermentation dehydration and packing (iii) Preparation of jelly, Lime squash and Tomato sauce.

16. Rural Finance (i) Cultivator's Finance needs for farmers (ii) Source of credit (iii) Organisation of Rural Cooperative credit and marketing societies.

ELEMENTS OF ANIMAL HUSBANDRY AND POULTRY FARMING (AG-3)

(A). 1. Introduction :- (i) Importance of Live stock in Indian Economy, (ii) Body parts of cow and buffalo and description of important systems, respiratory, digestive, reproductive, secretion of milk.

2. Improved Cattle Breeds :- (i) Cow (ii) Buffalo (iii) Goat and (iv) Sheep.

3. Care and management of Cattle :- (i) Animal Hygiene (ii) Cattle housing sheds for bullocks, bull, milch cattle etc. (iii) Special attention for rearing of calves, pregnant and milch cattle, working bullocks and bull.

4. Breeding of Cattle :- (i) Breeding Line breeding and cross breeding, Mendel's laws of breeding (ii) Artificial insemination in cattle with examples.

(B) 5. Dairy Farming: (i) General idea regarding dairy farming as a business in village and town conditions requirement of land, labour, captial; management techniques.

6. Milk Production :- (i) Differnet methods of milking, (ii) Principles of clean milk production,. (iii) Factors affecting quality and quantity of milk.

7. Composition of milk : (i) Definition of milk (ii) Milk constitutents (iii) Composition of Milk: Factors affecting composition of milk.

8. Physical properties of milk : (i) Temperature (ii Boiling Freezing point (iii) pH (iv) Density (v) Specific gravity use of Lactometer (vi) Gerber's method for fat test.

(C) 9. Feed and Feeding : (i) Principles of Feeding of dairy cattle (ii) Different types of feeds and fodders and their nutritive calues - Kharif and Rabi Fodders: Hay and silage crops (iii) Preservation of fodders making of silage, hay silopits hay silopits. (iv) Computation of balanced ration of cows, buffaloes, bullocks, bulls goats and sheep.

10. Judging of Cattle : (i) Importance of Judging, (ii) Judging method, Score card method and on the basis of body parts, (iii) Judging the age of cattle by rings on the horn and by the teeth development.

11. Dairy appliances : (i) Constrution of appliances and their cleanliness (ii) working of cream separator and tis parts. Butter churner, Butter worker.

12. Milk Products : (i) Preparations of cheese. Cream, Ravri, Dahi, Butter, Ghee, condensed milk. Milk powder and their composition.

13. Common diseases of Cattle : (i) Symptoms of sick Animals, (ii) Symptoms of different diseases. Rinderpest Foot and Mouth disease. Blackquater, Haemorrhagic Septicaemia, Anthrax and piroplasmosis: (iii) their prevention and control measures.

14. Poultry Farming : (i) Introductory, (ii) Scope and limitation of Poultry Farming, (iii) important breeds of poultry for eggs, meat (iv) Hatching of eggs and uses of incubator.

15. Housing and ration for poultry birds: (i) Poultry sheds, layout model sheds (ii) Ration of poultry bird-chicken, Growere, layers and Broilers.

16. Diseases of Poultry : (i) preventive control measures, (ii) Bacillary White diarrhoea, Ranikhet Coccidiosis, Fowl, Pox, Fowl cholera, Ecto and endoparasites.

Courses Available for Admission under Rabindranath TAGORE University (formerly AISECT University)

Engineering & Technology

B.E.

CS | EC | IT
Mechanical | Civil
Electronics & Electrical

M. Tech.

CS | VLSI | Civil
Thermal Engg.
Production Engg.
Wireless & Mobile Comm.
Power Systems

Diploma

Civil Engg.
Mechanical Engg.
Electronic & Electrical Engg.

Management

MBA
BBA
M.Phil. (Management)

Commerce

B.Com.
B.Com. (Computer App.)
M.Com.
M.Com. (Taxation)
M.Com. (Management)
M.Phil. (Commerce)

Education

B.Ed | B.P.Ed | B.Ed(Part Time) | M.Ed.

Computer Science & IT

DCA | PGDCA | BCA
B.Sc. (IT) | B.Sc. (CS)
M.Sc. (IT) | M.Sc. (CS)
M.Phil. (IT) | M.Phil. (CS)

Ph.D. in select subjects through separate entrance test.

Science

Physics

B.Sc. | M.Sc.
M.Phil. (Physics)
M.Phil. (Electronics)

Chemistry

B.Sc. | M.Sc. | M.Phil.

Mathematics

B.Sc. | M.Sc. | M.Phil.

Biology

B.Sc. | M.Sc. | M.Phil.

Botany

M.Sc. | M.Phil.

Zoology

M.Sc. | M.Phil.

Agriculture

B.Sc. (Agriculture)

Law

B.A. (LL.B.)
LL.B. | LL.M.

Arts

B.A. | M.A. (Hindi, English, History, Political Science, Sociology)
MSW | B.Lib.Sc.
M.Lib.Sc. | M.Phil. (Hindi, English, History, Political Science, Sociology)

Paramedical

Bachelor of Physiotherapy
Diploma in Medical Laboratory Technician

Certificate in
Yoga
Naturopathy
X-Ray Technician
Operation Theater Technician
C.T.M.R.I

Nursing

B.Sc. Nursing
GNM*

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Courses Available for Admission under AISECT UNIVERSITY, Hazaribag, Jharkhand

Faculty of Commerce

B.Com. (Hons.)
M.Com.

Faculty of Arts

B.Lib.Sc. | M.Lib.Sc. |
B.A. | M.A. (Hindi, English, Economics , History, Political Science, Sociology Geography)
MSW |

Computer Science & IT

B.Sc. (IT) | M.Sc. (IT) |
BCA | DCA | PGDCA |

Journalism & Mass Commu.

BJMC
MJ

Faculty of Management

MBA
BBA
PGDRD

Faculty Agriculture

B.Sc. (Agriculture)
MBA (Agri Bussiness Mgt.)

Faculty Science

B.Sc. (Hon's)
B..Sc. (Math)

Yoga & Naturopathy

PG Diploma in Yoga & Naturopathy
Yoga Instrctor's Course (YIC)

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Courses Available for Admission under Dr. C.V. Raman University, Vaishali Bihar

Faculty of Commerce

B.Com. (Hons.)
M.Com.

Faculty of Arts

B.A. (Hon's)
Economics,
Geography
M.A.
Hindi
English
Political Science
Sociology
M.A. (Hon's)
Economics,
Geography
MSW
B.Lib. Sc.
M.Lib.Sc.

Faculty of Management

BBA
MBA

Faculty Agriculture

B.Sc.
(Agriculture)

Faculty Science

B.Sc. (Hon's) PCMB
M.Sc.
Physics
Chemistry
Maths

Computer Science & IT

BCA
DCA
P.G.DCA
B.Sc. (IT)
M.Sc. (IT)

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AISECT JOINT ENTRANCE EXAM

Courses available for Admission under Dr. C.V. Raman University, Kota, Bilaspur (C.G.)

Engineering & Technology

B.E.

CSE | ECE | IT
Mechanical | Civil
Electronics & Electrical

M. Tech.

CS
SE
VLSI
Production Engg.
Power Systems

Diploma

Civil Engg.
Mechanical Engg.
Computer Science
Electronic & Electrical Engg.

Management

MBA
BBA
M.Phil. (Management)

Commerce

B.Com.
B.Com. (Computer App.)
M.Com.
M.Phil. (Commerce)

Computer Science & IT

DCA
PGDCA
BCA
M.Sc. (IT)
M.Phil. (IT)
M.Phil. (CS)

Ph.D. in select subjects through separate entrance test.

Science

Physics

B.Sc. | M.Sc.
M.Phil. (Physics)

Chemistry

B.Sc. | M.Sc. | M.Phil.

Mathematics

B.Sc. | M.Sc. | M.Phil.

Biology

B.Sc. | M.Sc. | M.Phil.

Botany

M.Sc. | M.Phil.

Zoology

M.Sc. | M.Phil.

Microbiology

B.Sc. | M.Sc. | M.Phil.

Biotechnology

B.Sc. | M.Sc. | M.Phil.

Law

B.A. (LL.B.)
LL.B. | LL.M.

Arts

B.A. | M.A.
(Hindi, English, History, Political Science, Sociology)
MSW
B.Lib.Sc.
M.Lib.Sc.
M.Phil.
(Hindi, English, History, Political Science, Sociology)

Education

B.Ed | M.Ed.
B.P.E.S. | M.P.E.S. |
M.Phil

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Appendix - 4

LIST OF AISECT OFFICES ACROSS THE COUNTRY FOR PROVIDING INFORMATION REGARDING AJEE 2018

Rabindranath TAGORE University

Bhopal-Chiklod Road, Near Bangrasia Chouraha, Bhopal, Pin-464993(M.P.) India
Ph.:- 0755-6766100, 9993233374,9893350135
E-mail : info@aisectuniversity.ac.in

Dr. C. V. Raman University

Kargi Road, Kota, B*ilashpur,* **CG**

Dr. C. V. Raman University

Bhagwanpur-Vaishali (Patna-Muzaffarpur Highway), **Bihar**

AISECT University

Gandhi Maidan, Matwari Chowk, Hazaribah, **Jharkhand**

AISECT (H.Q.)

Scope Campus, NH-12, Near Misrod, Hoshangabad Road, Bhopal-47, M. P.,
Ph.- 0755-3267087, Fax : 0755-4299611, M.: 09826352299, 09039850036,
E-mail : aisect@aisect.org

AISECT National Office

707-708, International Trade Tower, Nehru Place, New Delhi
Ph. : 011- 40526727, 41066728
E-mail : aisectdelhi@aisect.org

AISECT State Offices

BIHAR

2nd Floor, Sai Complex, Rampur Main Road, Bazar Samiti, Patna, Pin-800 006
Ph. : 0612-2660078 M 9905877073,
E-mail : aisectbihar@aisect.org
Begusarai-9386709208,

GUJARAT

306, Sigma Legacy, Above Nissan Car, Old IIMA Road, Panjra Pole
Ahmedabad, Pin-380 015
Ph. : 079-26301055, M : 9227722223,
Email : aisectgujarat@aisect.org

JHARKHAND

II (A) Floor, Shri Sai Tower, Circular Road
Ranchi, Pin-834 001, Ph. : 0651-2563964, M : 9608016444, E-mail : asim@aisect.org, aisectjharkhand@aisect.org

ORISSA

N-3/52, IRC Village, Naya Palli,
Bhubneshwar, Pin : 751 015
Ph. : 0674-2551313, M. 8763695269,
E-mail : Aisectodisha@aisect.org

PUNJAB

Second Floor, Sco-9, Sector-11
Panchkula, Pin-134 109
Ph. : 0172-5004331
M. 9988021612, 9301876877,
E-mail : rajan.aisect@gmail.com,
aisectpunjab@aisect.org

RAJASTHAN

SD-199, Opposite SBI, Near Dispensary No.4, Shanti Nagar, Hatwara Road,
Sodala, Jaipur, Pin-302 006
Ph. : 0141-2221717, M. 9782751187,
E-mail : aisectrajasthan@aisect.org,
shalabh@aisect.org

UTTAR PRADESH

117/N/396, Raniganj, Kakadeo,
Kanpur Nagar, Pin-208 025
Ph. : 0512-2500319, M. 9453260319,
E-mail : aisectkakadco@gmail.com

MAHARASHTRA

II Floor, Yash Arcade Building,
Bitco Point, Nashik Road, Nashik,
Pin : 422 101, Ph : 0253-2453699,
M : 9373901914,
E-mail : aisectmaharashtra@aisect.org

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AISECT REGIONAL OFFICES

JABALPUR

630,behind Omega Hospital, Gol Bazar,
Jabalpur, Pin-482 002, Ph. : 0761-2401616,
M. : 9329371313, 9827697999,
7566503333, 9827571313,
E-mail : au.jabalpur@gmail.com,
nishant.aisect@gmail.com

SHAHDOL

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AJEE 2018
AISECT JOINT ENTRANCE EXAM

APPENDIX - 5
SAMPLE FILLED UP OMR SHEET

AJEE 2018
AISECT JOINT ENTRANCE EXAM

1. NAME OF PARTICIPANT

SERIAL NUMBER

6. MOBILE NUMBER

BARCODE

2. REGISTRATION NUMBER

3. COURSES

- B. E.
- M. Tech
- Diploma in Eng.
- M. B. A.
- B. Ed
- B.A. L.L.B.
- L. L. B.

4. UNIVERSITY

- AISECT University
- Dr. C. V. Raman Uni.
- Both

5. SERIES NUMBER (Please see the question paper for series number)

SERIES No.

Signature of Candidate

Signature of Invigilator

INSTRUCTIONS FOR MARKING

- Use only **BLUE** or **BLACK Ball Point Pen** to write and colour the circles.
- Mark should be dark and fill the circle completely.
- Darken only one circle for answering each question as shown in the example below.

Wrong Marking	Correct Marking
Ⓐ Ⓑ ● ●	Ⓐ Ⓑ Ⓒ ●

- Make your marks only in the space provided. Please do not make any stray marks on this answer.
- Rough work must not be done on answer sheet. Use the space for rough work given in the question booklet.
- Mark your answersheet only in the appropriate space against the number corresponding to the question you are answering.
- **DO NOT DAMAGE, TAMPER, FOLD OR STAPLE THE OMR SHEET.**

उत्तर अंकित करने के अनुदेश

- लिखने एंव गोले भरने के लिये केवल नीले या काले बॉल पॉइंट पेन का प्रयोग करें।
- कृपया पूरे गोले को गहरे निशान से भरिये।
- प्रत्येक प्रश्न का उत्तर केवल एक ही गोले मे निशान लगाकर दीजिये जैसा कि नीचे दिखाया गया है।

गलत	सही
Ⓐ Ⓑ ● ●	Ⓐ Ⓑ Ⓒ ●

- केवल उत्तर के लिए दिऐ गए गोले में निशान लगाइए। उत्तरपत्र पर कही भी निशान न लगाइये।
- उत्तरपत्र पर कच्चा काम करना मना है इस काम के लिए परीक्षा पुस्तिका में ही दी गई जगह इस्तेमाल करें।
- प्रत्येक प्रश्न का उत्तरपत्र में दिए गए क्रमांक के सामने संबद्ध गोले में निशान लगाकर उत्तर दीजिए।
- **कृपया ओ. एम. आर. शीट को न ही क्षतिग्रस्त करे न फाडें या स्टेपल करें।**

AJEE 2018
AISECT JOINT ENTRANCE EXAM

REGISTRATION NUMBER

NAME OF THE PARTICIPANT(Please find in CAPITAL letters only)

FATHER'S NAME

LOCATION / CITY

Email ID

MCQ (1 to 100)

Please fill the circle for appropriate answer with blue or black ball pen

1	Ⓐ	Ⓑ	Ⓒ	Ⓓ
2	Ⓐ	Ⓑ	Ⓒ	Ⓓ
3	Ⓐ	Ⓑ	Ⓒ	Ⓓ
4	Ⓐ	Ⓑ	Ⓒ	Ⓓ
5	Ⓐ	Ⓑ	Ⓒ	Ⓓ
6	Ⓐ	Ⓑ	Ⓒ	Ⓓ
7	Ⓐ	Ⓑ	Ⓒ	Ⓓ
8	Ⓐ	Ⓑ	Ⓒ	Ⓓ
9	Ⓐ	Ⓑ	Ⓒ	Ⓓ
10	Ⓐ	Ⓑ	Ⓒ	Ⓓ
11	Ⓐ	Ⓑ	Ⓒ	Ⓓ
12	Ⓐ	Ⓑ	Ⓒ	Ⓓ
13	Ⓐ	Ⓑ	Ⓒ	Ⓓ
14	Ⓐ	Ⓑ	Ⓒ	Ⓓ
15	Ⓐ	Ⓑ	Ⓒ	Ⓓ
16	Ⓐ	Ⓑ	Ⓒ	Ⓓ
17	Ⓐ	Ⓑ	Ⓒ	Ⓓ
18	Ⓐ	Ⓑ	Ⓒ	Ⓓ
19	Ⓐ	Ⓑ	Ⓒ	Ⓓ
20	Ⓐ	Ⓑ	Ⓒ	Ⓓ
21	Ⓐ	Ⓑ	Ⓒ	Ⓓ
22	Ⓐ	Ⓑ	Ⓒ	Ⓓ
23	Ⓐ	Ⓑ	Ⓒ	Ⓓ
24	Ⓐ	Ⓑ	Ⓒ	Ⓓ
25	Ⓐ	Ⓑ	Ⓒ	Ⓓ
26	Ⓐ	Ⓑ	Ⓒ	Ⓓ
27	Ⓐ	Ⓑ	Ⓒ	Ⓓ
28	Ⓐ	Ⓑ	Ⓒ	Ⓓ
29	Ⓐ	Ⓑ	Ⓒ	Ⓓ
30	Ⓐ	Ⓑ	Ⓒ	Ⓓ
31	Ⓐ	Ⓑ	Ⓒ	Ⓓ
32	Ⓐ	Ⓑ	Ⓒ	Ⓓ
33	Ⓐ	Ⓑ	Ⓒ	Ⓓ
34	Ⓐ	Ⓑ	Ⓒ	Ⓓ
35	Ⓐ	Ⓑ	Ⓒ	Ⓓ
36	Ⓐ	Ⓑ	Ⓒ	Ⓓ
37	Ⓐ	Ⓑ	Ⓒ	Ⓓ
38	Ⓐ	Ⓑ	Ⓒ	Ⓓ
39	Ⓐ	Ⓑ	Ⓒ	Ⓓ
40	Ⓐ	Ⓑ	Ⓒ	Ⓓ
41	Ⓐ	Ⓑ	Ⓒ	Ⓓ
42	Ⓐ	Ⓑ	Ⓒ	Ⓓ
43	Ⓐ	Ⓑ	Ⓒ	Ⓓ
44	Ⓐ	Ⓑ	Ⓒ	Ⓓ
45	Ⓐ	Ⓑ	Ⓒ	Ⓓ
46	Ⓐ	Ⓑ	Ⓒ	Ⓓ
47	Ⓐ	Ⓑ	Ⓒ	Ⓓ
48	Ⓐ	Ⓑ	Ⓒ	Ⓓ
49	Ⓐ	Ⓑ	Ⓒ	Ⓓ
50	Ⓐ	Ⓑ	Ⓒ	Ⓓ
51	Ⓐ	Ⓑ	Ⓒ	Ⓓ
52	Ⓐ	Ⓑ	Ⓒ	Ⓓ
53	Ⓐ	Ⓑ	Ⓒ	Ⓓ
54	Ⓐ	Ⓑ	Ⓒ	Ⓓ
55	Ⓐ	Ⓑ	Ⓒ	Ⓓ
56	Ⓐ	Ⓑ	Ⓒ	Ⓓ
57	Ⓐ	Ⓑ	Ⓒ	Ⓓ
58	Ⓐ	Ⓑ	Ⓒ	Ⓓ
59	Ⓐ	Ⓑ	Ⓒ	Ⓓ
60	Ⓐ	Ⓑ	Ⓒ	Ⓓ
61	Ⓐ	Ⓑ	Ⓒ	Ⓓ
62	Ⓐ	Ⓑ	Ⓒ	Ⓓ
63	Ⓐ	Ⓑ	Ⓒ	Ⓓ
64	Ⓐ	Ⓑ	Ⓒ	Ⓓ
65	Ⓐ	Ⓑ	Ⓒ	Ⓓ
66	Ⓐ	Ⓑ	Ⓒ	Ⓓ
67	Ⓐ	Ⓑ	Ⓒ	Ⓓ
68	Ⓐ	Ⓑ	Ⓒ	Ⓓ
69	Ⓐ	Ⓑ	Ⓒ	Ⓓ
70	Ⓐ	Ⓑ	Ⓒ	Ⓓ
71	Ⓐ	Ⓑ	Ⓒ	Ⓓ
72	Ⓐ	Ⓑ	Ⓒ	Ⓓ
73	Ⓐ	Ⓑ	Ⓒ	Ⓓ
74	Ⓐ	Ⓑ	Ⓒ	Ⓓ
75	Ⓐ	Ⓑ	Ⓒ	Ⓓ
76	Ⓐ	Ⓑ	Ⓒ	Ⓓ
77	Ⓐ	Ⓑ	Ⓒ	Ⓓ
78	Ⓐ	Ⓑ	Ⓒ	Ⓓ
79	Ⓐ	Ⓑ	Ⓒ	Ⓓ
80	Ⓐ	Ⓑ	Ⓒ	Ⓓ
81	Ⓐ	Ⓑ	Ⓒ	Ⓓ
82	Ⓐ	Ⓑ	Ⓒ	Ⓓ
83	Ⓐ	Ⓑ	Ⓒ	Ⓓ
84	Ⓐ	Ⓑ	Ⓒ	Ⓓ
85	Ⓐ	Ⓑ	Ⓒ	Ⓓ
86	Ⓐ	Ⓑ	Ⓒ	Ⓓ
87	Ⓐ	Ⓑ	Ⓒ	Ⓓ
88	Ⓐ	Ⓑ	Ⓒ	Ⓓ
89	Ⓐ	Ⓑ	Ⓒ	Ⓓ
90	Ⓐ	Ⓑ	Ⓒ	Ⓓ
91	Ⓐ	Ⓑ	Ⓒ	Ⓓ
92	Ⓐ	Ⓑ	Ⓒ	Ⓓ
93	Ⓐ	Ⓑ	Ⓒ	Ⓓ
94	Ⓐ	Ⓑ	Ⓒ	Ⓓ
95	Ⓐ	Ⓑ	Ⓒ	Ⓓ
96	Ⓐ	Ⓑ	Ⓒ	Ⓓ
97	Ⓐ	Ⓑ	Ⓒ	Ⓓ
98	Ⓐ	Ⓑ	Ⓒ	Ⓓ
99	Ⓐ	Ⓑ	Ⓒ	Ⓓ
100	Ⓐ	Ⓑ	Ⓒ	Ⓓ

NAME & SIGNATURE OF THE EXAM CENTRE SUPERINTENDENT