



GOVERNMENT COLLEGE OF ENGINEERING

Station Road, Osmanpura, AURANGABAD-431 005 (M.S.)

"In Pursuit of Global Competitiveness"

☎: (0240) 2366160, 2366111, 2334348,

Fax: (0240) 2332835

E-mail: principalgeca@yahoo.com

Website: <http://www.geca.ac.in>

DEPARTMENT OF APPLIED MECHANICS

No. GECA/AMD/

Date-

✓
To

HOD (CSE)
Govt. College of Engineering
Aurangabad.

Sub. – Uploading information on College website.
Ref.- QIP-Ph.D. Admissions

Dear Sir,

I am submitting herewith information related to QIP-PH.D. Admission
Please instruct concern to upload information on college website

Thanking you.

Yours faithfully

(M.B. Varma)
QIP-Ph.D. Coordinator

Enclosed

- 1-List of Candidate called for written test/interview
- 2-Day schedule
- 3-Syllabus.

copy to - Principal / Chairman / HOD Electronics / HOD Electrical / HOD Civil
Dean R & D / Co-ordinator QIP-Ph.D. / V.C. Dr. B.A.M.U. A'bad



Government College of Engineering

Station Road, Osmanpura, Aurangabad – 431 005

Phone : (0240) 2366101, 221, 230
E-Mail – principalgeca@yahoo.com

Fax : (0240) 2332835
Web – <http://www.geca.ac.in>

No. GECA/App. Mech. /QIP /2016/

Date:- 31/12/2016

Sub:- Advance Admission to Ph.D. Programmes for the academic year 2017-18
(Final Admission :2018-19)

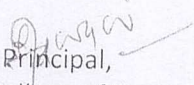
List of candidates for QIP interview and writer test

Ph.D. admission under QIP for the academic year 2017-18 (Final admission :2018-19)

1) Civil Engineering Department(GATE01)

Application Number	Name of Candidate	Address	Mail-id and phone Number
50092	MORE DNYANESHWAR DATTATRATA	VITHAI,SAICITY ROAD BHAMANAGAR, YEOLA ROAD KOPARGAON TAL -KOPARGAON DIST- AHMEDNAGAR-Pin- 423603	Dnyanu_16@yahoo.com 9270018312
50518	SAGAR MUKUNDRAO GAWANDE	FLAT NO 06, ISHAAN GALAXY, NEAR VRINDAWAN HALL, MANAJI NAGAR,NARHE- AMBEGAON ROAD, NARHE, PUNE, Pin-411 041	Gawande.sagar@gmail.com 9922169404

Gutte/-


Principal,
Government College of Engineering,
Aurangabad



Government College of Engineering

Station Road, Osmanpura, Aurangabad – 431 005

Phone : (0240) 2366101, 221, 230
E-Mail – principalgeca@yahoo.com

Fax : (0240) 2332835
Web – <http://www.geca.ac.in>

No. GECA/App. Mech. /QIP /2016/

Date:- 31/12/2016

Sub:- Advance Admission to Ph.D. Programmes for the academic year 2017-18
(Final Admission :2018-19)

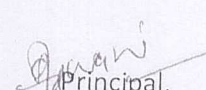
List of candidates for QIP interview and writer test

Ph.D. admission under QIP for the academic year 2017-18 (Final admission :2018-19)

1) Electrical Engineering Department(GAEE01)

Application Number	Name of Candidate	Address	Mail-id and phone Number
50588	MIRAJODDIN USMAN INAMDAR	SIDDHANT COLLEGE OF ENGINEERING, TALEGAON CHAKAN ROAD,SUDUMBARE PUNE , Pin-412 109	Muinamdar11@gmail.com 9130504310
51281	DONGARDIVE ARUN MADHAVRAO	GOVERNMENT COLLEGE OF ENGINEERING OPPOSITE TO DIC OFFICE,NATIONAL HIGHWAR NO.6, JALGAON MAHARASHTRA Pin-425 002	1005arun@gmail.com 9689222416
51213	MRS. RUPALEE SHRINIVAS AMBEKAR	BHARATI VIDYAPEETH UNIVERSITY ,ELECTRICAL ENGINEERING, COLLEGE OF ENGINEERING, PUNE,PUNE-SATARA ROAD PUNE , Pin-411 043	rsambekar@bvucoep.edu.in 8308816838

Gutte/-


Principal,
Government College of Engineering,
Aurangabad



Government College of Engineering

Station Road, Osmanpura, Aurangabad – 431 005

Phone : (0240) 2366101, 221, 230
E-Mail – principalgeca@yahoo.com

Fax : (0240) 2332835
Web – <http://www.geca.ac.in>

No. GECA/App. Mech. /QIP /2016/

Date:- 31/012/2016

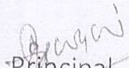
Sub:- Advance Admission to Ph.D. Programmes for the academic year 2017-18
(Final Admission :2018-19)

List of candidates for QIP interview and writer test

Ph.D. admission under QIP for the academic year 2017-18 (Final admission :2018-19)

1) Electronics & Telicommunication Engineering Department(GAEC01)

Application Number	Name of Candidate	Address	Mail-id and phone Number
50588	MIRAJODDIN USMAN INAMDAR	SIDDHANT COLLEGE OF ENGINEERING, TALEGAON CHAKAN ROAD,SUDUMBARE PUNE , Pin-412 109	Muinamdar11@gmail.com 9130504310
51281	BHAGWATE DHIRAJ SHASHIKANT	FLAT NO.102,PRATEEKSHA HSG.SOC.TELCO ROAD, YASHWANT-NAGAR,NEAR ANNA SAHEB MAGAR STADIUM,PIMPRI,PUNE,Pin- 411 018	d.bhagwat@indiraicem.ac.in 9881059168
51281	DONGARDIVE ARUN MADHAVRAO	GOVERNMENT COLLEGE OF ENGINEERING OPPOSITE TO DIC OFFICE,NATIONAL HIGHWAR NO.6, JALGAON MAHARASHTRA Pin-425 002	1005arun@gmail.com 9689222416
51303	PRACHI ANIL JOSHI	Dr.B.N.PANDE, 9A,DASHMESH NAGAR, IN FRONT OF NITIN SACHIN APPARTMENT, OSMANPURA,AURANGABAD Pin-431 005	prachijoshi@dietms.org 9850870335


Principal,

Government College of Engineering,
Aurangabad

Gutte/-



Government College of Engineering

Station Road, Osmanpura, Aurangabad – 431 005

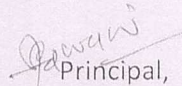
Phone : (0240) 2366101, 221, 230
E-Mail – principalgeca@yahoo.com

Fax : (0240) 2332835
Web – <http://www.geca.ac.in>

Advance Admission to Ph.D. Programmes for the academic year 2017-18
(Final Admission :2018-19)

SCHEDULE FOR WRITTEN TEST/INTERVIEW (8 MARCH 2017)

Time	Activity	Venue
11.00 – 11.30	Reporting of Candidates	App. Mech. Dept. GECA
12.00 – 2.00	Written test (Civil/Elect)	Computer lab. App. Mech. Dept.
2.30 – 4.30	Written Test (Electronics)	
4.30 - 5.00	Scrutiny of documents	Concrete Technology Lab. GECA
5.00 pm onwards	Interview	Computer Lab. App. Mech. Dept.



Principal,
Government College of Engineering,
Aurangabad

Gutte/-

Syllabus for Entrance Examination


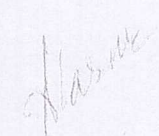
Ph.D. - Electrical Engineering

Academic year 2016-17

(Total marks 70)

1. Engineering Mathematics : Linear Algebra, Calculus Differential equations, Complex variables, Probability and Statistics Numerical Methods, Transform Theory
2. Electric Circuits and Fields: Network graph, node and mesh analysis, transient response of dc and ac networks, sinusoidal steady-state analysis, resonance, basic filter concepts, ideal current and voltage sources, Network theorems, Gauss Theorem, electric field and potential due to point, line, plane and spherical charge distributions, Ampere's and Biot-Savart's laws, inductance, dielectrics, capacitance.
3. Electrical Machines: Single phase transformer, three phase transformers, instrument transformers, energy conversion principles, DC machines, induction motors, synchronous machines, parallel operation of generators, motor starting, characteristics and applications, servo and stepper motors, special machines, electrical drives
4. Power Systems: Basic power generation concepts, transmission line models and performance, cable performance, insulation, corona and radio interference, distribution systems, per-unit quantities, bus impedance and admittance matrices, load flow, voltage control, power factor correction, economic operation, symmetrical components, fault analysis, power system protection and switch gear, HVDC transmission and FACTS concepts, power quality, Harmonics in power systems, Renewable energy systems.
5. Control Systems & Instrumentation : : Representation of continuous and discrete-time signals, shifting and scaling operations, linear, time-invariant and causal systems, Fourier series representation of continuous periodic signals, sampling theorem, Principles of feedback, transfer function, block diagrams, steady-state errors, Routh and Niquist techniques, Bode plots, root loci, lag, lead and lead-lag compensation, state space model, state transition matrix, controllability and observability, Bridges and potentiometers, PMMC, moving iron, dynamometer and induction type instruments, measurement of voltage, current, power, energy and power factor, digital voltmeters and multimeters, phase, time and frequency measurement, Q-meters, oscilloscopes, potentiometric recorders, error analysis.
6. Analog and Digital Electronics: Characteristics of diodes, BJT, FET, amplifiers - biasing, equivalent circuit and frequency response, oscillators and feedback amplifiers, operational amplifiers - characteristics and applications, simple active filters, VCOs and timers, combinational and sequential logic circuits, multiplexer, Schmitt trigger, multi-vibrators, sample and hold circuits, A/D and D/A converters, 8-bit microprocessor basics, architecture, programming and interfacing, Semiconductor power diodes, transistors, thyristors, triacs, GTOs, MOSFETs and IGBTs, Converters


Principal
Govt. College of Engineering
Aurangabad

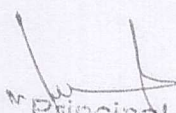
Syllabus for Entrance Examination

Ph.D. - Electronics

Academic year 2016-17

(Total marks 70)

1. Small and large signal amplifiers , Feedback, Oscillators, Wave shaping networks and their applications, Converters, Power devices and circuits, Electronic test and measuring instruments,
2. Digital Electronics: Logic families and circuits, Combinational and sequential logic circuits, Microprocessors 8086 and peripherals, Microcontroller 8051, Embedded system design concept and implementations, Z transform, DFT, Digital Filters, Parallel processing
3. Communication Engineering : Base bands, Electromagnetic Engineering , Analog and Digital Communications, Information and detection theory, Microwaves, Radar and Satellite Communication, Computer and Optical Communications, Television Engineering, Electronic Exchanges, ISDN, Computer networking, Network management, PCM TDMA, FDMA, SDMA, CDMA , Microwave Engineering, Mobile communication
4. Signal Processing : FIR filters, IIR filters, Power spectrum estimation, Signal Processing Applications
5. State machine, Modeling, Logic simulation, Fault modeling, Different controllers, Computer analysis of control system design , Aspects of control theory, Transfer function approach ,State space approach, Digital controller design.


Principal
Govt. College of Engineering
Aurangabad

