

## **Yeshwantrao Chavan College of Engineering, Nagpur**

### **Entrance Test for Ph.D. Programmes (PET) norms**

#### **1. Need for the PET examination:**

Ph.D. Entrance Test (PET) being essential qualification for admission to the Ph.D. programmes offered in the autonomous colleges, the University and its autonomous colleges/institutions/ departments shall conduct twice in a year this test at the pre declared centres. It shall be conducted in ONLINE mode in autonomous colleges.

#### **2. Exemption from PET**

Candidates who have qualified the UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/SLET/GATE/GPAT/DST-Inspire//SET/teacher fellowship of state/ central Govt. apex bodies holder or have passed M.Phil. programme (admitted through entrance test) in the concerned subject from any Statutory University. Foreign NRI candidates who have obtained master's degree with at least 55% marks or equivalent CGPA (6.0) and passed PET examination conducted by the University. Candidate already possessing Ph.D. degree in any discipline from any statutory University shall also be exempted from PET.

#### **3. Tenure and Validity:**

PET being one of the eligibility criteria for applying for Ph.D. admission / registration, the declaration of the candidate to be successful in PET examination shall not confer on the candidate, the right of admission/registration. Once the candidate has cleared the PET, he/she will be eligible for the admission to the Ph.D. programme throughout his/her career. Candidates who have cleared PET examination conducted by the RTM Nagpur University in the past shall also be considered eligible for admission to Ph.D. Programmes in Yeshwantrao Chavan College of Engineering.

#### **4. Pattern of Examination:**

The examination shall have maximum 100 marks and be divided in two sections viz. Section A – Research Methodology and General Aptitude and Section B – Subject Aptitude. Each section shall have maximum 50 marks and the test shall have MCQs only carrying 1 mark each. The maximum duration of the exam for each section shall be 90 minutes. The examination for two sections shall be held on the same day with a time gap of minimum 1 Hour between two examinations and the date and time of examination shall be intimated to the examinees well in advance. The examination shall be conducted in English language.

#### **5. Syllabus for PET Examination:**

##### **a) Section A – Research Methodology & General Aptitude:**

This section shall have 40 multiple choice questions from Research Methodology covering (i) Meaning and Types of research, (ii) Principles of Review of Literature (iii) Defining a research problem (iv) Research Designs (v) Preparing a Research Proposal (vi) Sampling Techniques (vii) Types of Data and Data Collection Techniques (viii) Data Analysis Tools and (ix) Referencing styles. Remaining 10 questions in this section shall test the general aptitude of the examinee for which the questions from Analytical Reasoning, Numerical Ability, Data Interpretation, Computer Awareness, and Language Competency may be asked. The PET Committee of the college shall be responsible for developing a suitable question bank of MCQs for this section.

**b) Section B – Subject Aptitude**

This section shall have 50 multiple choice questions based on the curriculum prescribed by the Board of Studies of the concerned subject. However, it is suggested that the BoS shall prescribe the curriculum based on the contents of UG programs of respective subject and the college shall display the same on its website for easy access to students.

The Board of Studies of the concerned subject shall be responsible for developing a suitable question bank of MCQs for this section.

**6. Conduct of Examination:**

The Ph.D. Entrance Test (PET) shall be conducted in the OFFLINE mode, details will be available on the website of college.

**7. Standard of Passing:**

In order to successfully clear the examination, an examinee shall score minimum 40% marks in each section and 50% marks both the sections taken together.

**8. Redressal of Grievances:**

The PET Examination Committee constituted by the college shall be the competent authority to redress grievances of any candidate with respect to the conduct of PET.

**9. Applications for PET:**

The Yeshwantrao Chavan College of Engineering, Nagpur shall invite applications from the eligible candidates, desirous of appearing in the PET to be conducted by the college and widely circulate a notification inviting applications for admissions to Ph.D. Programs. All the application forms shall be filled only in the ONLINE mode on the website of the college and print outs of the forms along with certificates and prescribed fees of Rs. 500/- (Rupees One Thousand Only) in the form of Demand Draft, drawn in favour of “The Principal YCCE, Nagpur,” payable at Nagpur shall be submitted in the office of the college. On scrutiny of the applications, the college shall prepare the statement along with all the particulars of the applicants and publish the list of eligible candidates with their Roll Numbers.