

## GANPAT UNIVERSITY

M.TECH SEMSTER – I (ELECTRICAL) REGULAR EXAMINATION – DECEMBER -2013  
3OS105: Technical Skills & Research Methodology

MAXM TIME: 3 HRS

MAXM MARKS: 70

## Instructions:

1. Figures to the right indicate full marks.
2. Each section should be written in a separate answer book.
3. Be precise and to the point in your answer.

## SECTION - I

Q.1 According to you, what are the Dos and Don'ts that a participant of group discussion should keep in mind for effective participation? (12)

OR

Q.1 Prepare brief notes on the following.

- (1) Information gathering stage of presentation
- (2) Interpersonal barriers with remedies to overcome them

Q.2 Explain 'Reading Comprehension' and discuss various strategies for effective reading comprehension with appropriate examples. (12)

OR

As a Sr. Marketing Manager and also as Chairman of the three member committee, draft a Committee Report with recommendation for submission to the Board of Directors of Kadi based Sunitdhi Proteins Pvt. Ltd. for proposed starting of an additional production unit of the company in Bikaner, Rajasthan.

Q.3 Do as directed. (11)

- (1) Sam \_\_\_\_\_ here until he left for the USA. (Insert proper form of 'teach')
- (2) The present economic reforms introduced by the finance minister \_\_\_\_\_ the condition of Indian economy. (Insert proper form of 'accelerate')
- (3) Though the program was a grand success, he was not given any credit. (Use 'In spite of')
- (4) The assassination of the opposition leader shocked the ruling party. (Identify underlined words).
- (5) What a pitiful sight it is! (cite/sight)
- (6) The clergy \_\_\_\_\_ him \_\_\_\_\_ all his sins. (make, confess)
- (7) Did you like that movie? (Change the voice)
- (8) \_\_\_\_\_ you not \_\_\_\_\_ well lately? You don't look good. (Use proper form of 'sleep')
- (9) He looks alright now. If he \_\_\_\_\_ a strict diet, His would not have been so pale. (Use appropriate form of 'follow')
- (10) She \_\_\_\_\_ piano for almost three hours now. (Insert proper form of 'play').
- (11) The son abandoned the house after being scolded by his father. (Replace underlined word with proper synonym)

**SECTION - II**

- Q.4 (A) Differentiate between descriptive versus analytical research. [5]  
(B) Write a short note on research Methods versus Research methodology. [4]  
(C) How to develop working hypothesis? [3]

**OR**

- Q.4 (A) Differentiate between applied and fundamental research. [5]  
(B) What are the basic criteria for good research? [4]  
(C) Write a short note on research and scientific method. [3]

- Q.5 (A) Explain the measures of asymmetry. [5]  
(B) What is the necessity of defining a research problem? Explain. [3]  
(C) Write a short note on observation method for data collection. [4]

**OR**

- Q.5 (A) Explain the measures of dispersion. [5]  
(B) Explain the meaning and significance of a Research design. [3]  
(C) Describe the techniques of defining a research problem. [4]

- Q.6 (A) What are the precautions that should be taken in to research interpretation? [4]  
(B) Distinguish between Simple hypothesis and composite hypothesis. [4]  
(C) Explain, how to collect data through schedules. [3]

**END OF PAPER**  
**Best of Luck**