



GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT (GITAM)

(Deemed to be University)

(Estd. u/s 3 of the UGC Act, 1956), NAAC Accredited with 'A+' Grade
Visakhapatnam | Hyderabad | Bengaluru

GITAM Institute of Pharmacy

PhD Entrance Test 2020-21

Model-Question paper

Duration: 2 hours

Max Marks: 140

Note : This is a sample paper. The main examination paper will be online and consists of 35 questions each in section A and section B

Section A: Research Methodology

1. What may not be considered as a good research objective if
 - a. Presented briefly and concisely
 - b. Presented logically
 - c. Restrictions in the use of action verbs
 - d. All the above
2. Preliminary data collection is a part of
 - a. Descriptive research
 - b. Applied research
 - c. Explanatory research
 - d. Exploratory research
3. A literature review requires
 - a. Planning
 - b. Good writing
 - c. Lot of re-writing
 - d. All the above
4. The mean of a distribution is 14 and standard deviation is 5. What is the value of co-efficient of variation?
 - a. 60.4%
 - b. 48.3%
 - c. 35.7%
 - d. 27.8%
5. 25 children are chosen randomly from a school ground. Their heights are measured when they come into school the next morning and again just before they go home in the evening. What statistical test could be used to test the hypothesis that their morning heights are no different from their evening heights.
 - a. Paired t-test
 - b. Z-test
 - c. Unpaired t-test
 - d. Regression

6. Plagiarism can be avoided by
- Copying the work of others accurately
 - Paraphrasing the author's text in your own words
 - Cut and pasting from the Internet
 - Quoting directly without revealing the source
7. If you file provisional specification, the complete specification is required to be filed within
- 10 months
 - 12 months
 - 18 months
 - 24 months
8. The factorial design provides an opportunity to study the _____ of two treatment variables
- Joined effect
 - Combined effect
 - Interaction effect
 - Separate effect
9. When referencing other works you have cited within the text of the report you should
- State the first and last name of the author
 - Use the author, date citation method
 - Use an asterisk and a footnote
 - Insert the complete citation in parenthesis.
10. The abstract should be about how many words?
- 50
 - 75
 - 120
 - 300

Section B: Pharmacognosy and Phytochemistry

1. Which enzyme is present in acacia _____
- Lipase
 - Oxidase
 - Amylase
 - Innulase
2. What is the principle constituent of guar gum _____
- Arabin
 - Bassorin
 - Arabinose
 - Galactomannan
3. Which part of the seed called as Isabgol husk _____
- Seed coat
 - Cotyledons
 - Testa
 - Embryo

4. Ergot alkaloids are derivatives of _____
- Phenylalanine
 - Lysergic acid
 - Tryptophan
 - Tryptamine
5. Meconic acid is a chemical marker of _____
- Lobelia
 - Atropine
 - Opium
 - Nux vomica
6. Chittarn bark is common name of _____
- Cinnamon bark
 - Cinchona bark
 - Cascara bark
 - None of the above
7. Which type of linkage is present in Cascara glycoside
- C-glycoside
 - O-glycoside
 - S-glycoside
 - Both a & b
8. Anethole, fenchone and ketone are the constituents present in _____
- Coriander
 - Caraway
 - Dill
 - Fennel
9. Enfleurage is a extraction technique used to extract _____
- Volatile oil
 - Alkaloids
 - Glycosides
 - All of the above
10. Officinalis variety of *Mentha piperita* is called as _____
- White mint
 - Black mint
 - Yellow mint
 - Brown mint