



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
 - a. Copying the work of others accurately
 - b. Paraphrasing the author's text in your own words
 - c. Cut and pasting from the Internet
 - d. Quoting directly without revealing the source

7. If you file provisional specification, the complete specification is required to be filed within
 - a. 10 months
 - b. 12 months
 - c. 18 months
 - d. 24 months

8. The factorial design provides an opportunity to study the _____ of two treatment variables
 - a. Joined effect
 - b. Combined effect
 - c. Interaction effect
 - d. Separate effect

9. When referencing other works you have cited within the text of the report you should
 - a. State the first and last name of the author
 - b. Use the author, date citation method
 - c. Use an asterisk and a footnote
 - d. Insert the complete citation in parenthesis.

10. The abstract should be about how many words?
 - a. 50
 - b. 75
 - c. 120
 - d. 300

Section B: Pharmacology

1. Vasoselective calcium channel blocker
 - a. Amlodipine
 - b. Verapamil
 - c. Eplerenone
 - d. Terlipressin

2. Pick the aminopenicillin in the following
 - a. Amoxicillin
 - b. Benzyl penicillin
 - c. Penicillin V
 - d. Cloxacillin

3. Drug which causes myelosuppression
 - a. Diazepam
 - b. Metachlopramide
 - c. Methotrexate
 - d. Misoprostol

4. Independent risk factor for COPD

- a. Alcoholism
- b. Drug abuse
- c. Smoking
- d. All of the above

5. Neurotransmitter at the sympathetic ganglia

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- a. Ach
- b. Histamine
- c. Norepinephrine
- d. All of the above

6. Drug of choice for Resistant hypertension

- a. Losartan
- b. Captopril
- c. Propranolol
- d. Minoxidil

7. Discoloration of tooth can occur with administration of

- a. Amoxicillin
- b. Clavulanic acid
- c. Tetracyclin
- d. Meropenem

8. Adverse effects on contraceptive use

- a. Cancer
- b. Meningitis
- c. Lymphedema
- d. Hepatitis

9. Most common fungal infection in HIV patients

- a. Histoplasmosis
- b. Cryptococcosis
- c. Candidiasis
- d. All of the above

10. Drugs which are poorly metabolized have

- a. Long elimination half lives
- b. Short half lives
- c. Low therapeutic effect
- d. None of the above