



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान कोलकाता

औषधीय विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार

**National Institute of Pharmaceutical Education and Research Kolkata**

Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Govt. of India

Chunilal Bhawan, 168, Maniktala Main Road, Kolkata – 700 054, West Bengal.

Website: <https://www.niperkolkata.edu.in/> Email: [niperkrectt@niperkolkata.ac.in](mailto:niperkrectt@niperkolkata.ac.in)

No. NIPERK/NT-Rec./2023/004

Date: 19.12.2023

## NOTIFICATION

### EXAMINATION FOR RECRUITMENT OF NON-TEACHING POSTS QUESTION PAPER & ANSWER KEYS PUBLISHED

(Employment Notification No: NIPER-K/09/2023 Dated: 23.04.2023)

The question papers and answer keys for the written examination for recruitment of Non-Teaching Posts (Scientist/Technical Supervisor Grade II, Public Relations Officer, and Guest House & Hostel Supervisor) held on 13<sup>th</sup> December, 2023 at NIPER Kolkata are furnished below. The objections, if any, with regard to the questions or answers may be addressed to the Registrar In-charge, National Institute of Pharmaceutical Education and Research Kolkata through e-mail ([niperkrectt@niperkolkata.ac.in](mailto:niperkrectt@niperkolkata.ac.in)) on or before **26.12.2023, 5.00 PM** with relevant proof/ documents supporting the claim and a fee of Rs. 500/- (Rupees Five Hundred only) for each question or answer key being challenged has to be paid through NEFT/IMPS/bank transfer to the following account (Payment proof need to be attached).

Name of the Bank	Branch	Account Number	IFSC
Canara Bank	Salt Lake City Branch	0980101024740	CNRB0002549

If the complaint filed is found to be genuine, the fee remitted while filing the complaint will be refunded. Complaints received after the stipulated date & time and without requisite fee will not be considered under any circumstances.

Last date for the receipt of complaints: **26.12.2023, 5.00 PM.**

Sd-  
Registrar In-charge

# National Institute of Pharmaceutical Education and Research Kolkata

## Written Test for the selection of Scientist/Technical Supervisor Grade II

Number of Questions : 50

Date: 13.12.2023

Duration : One Hour

Name :

Application Number :

### General Instructions

1. On receipt of the question paper please verify 50 questions are available with serial numbers 1-50. If any serial numbers are repeated, please exchange the question paper before answering.
2. The questions are of multiple-choice type with four options. Please select your answer and write the alphabet of the option i.e. A, B, C or D in the space provided with Black or Blue Ball Point Pen.
3. The following marks in the answers are treated as ineligible.  $\surd$ , X, O,  $\square$ , underlining.
4. If the written answers are to be changed, please cancel the already written answer completely by drawing a line on the answer and the new answer to be written at the bottom or side.
5. **Every correct answer will carry one mark each and wrong answer will be provided with a negative mark of 0.25**
6. If any questions are found repeated, the candidate has the choice to answer or omit, but all the questions will be awarded marks.
7. The candidate has to mention the number of questions answered and the number of questions unanswered in the last page.
8. The candidate has to sign at the bottom of all the pages

Signature of the Supervisor

Signature of the candidate

1-3 In each of the following questions, pick out the most effective words from the given words to fill in the blank to make the sentence meaningfully complete.

1 Medical teachers said that the management had continued to remain ..... to their cause leading to the stretching of their strike.

1. unmoved 2. lethargic 3. unconcerned 4. apathetic 5. indifferent  
6. bored

A) 2 and 3

B) 3 and 6

C) 1 and 5

D) 4 and 5

Answer:

2 Drugs worth Rs. 3 lakhs were ..... from the apartment by the police.

1. manufactured 2. ruptured 3. seized 4. confiscated 5. bought  
6. compared

A) 1 and 4

B) 2 and 6

C) 3 and 5

D) 3 and 4

Answer:

3 An organization ..... to the mission of road safety has prepared an action plan for reducing accidents and related injuries and fatalities.

1. specified 2. inaugurated 3. committed 4. kicked off 5. succumbed  
6. dedicated

A) 3 and 6

B) 1 and 5

C) 2 and 5

D) 4 and 6

Answer:

4 In the following question, a sentence is marked in parts indicated as (A), (B) and (C) etc. having an error in any part of it. When you find an error in any one of the parts, select that part as your answer. Error may be in grammar, word usage or idioms. There may be a word missing or there may be a word that should be removed.

In the early 90s, (A)/ a noted architect photographed (B)/ the water bodies nestled (C)/inside the textile mills of Mumbai. (D)

A) A

B) B

C) C

D) D

Answer:

5 To turn the tables

A) To defeat

B) To oppose

C) To create chaos

D) To change the sorry scheme

Answer:

- 6 Dog in the manger
- |   |  |
|---|--|
| A) An undersized bull almost the shape of a dog                         | B) A dog that has no kennel of its own                                     |
| C) A person who puts himself in difficulties on account of other people | D) A person who prevents others from enjoying something useless to himself |

Answer:

- 7 A bacteriophage infects
- |             |           |
|-------------|-----------|
| A) Viruses  | B) Yeasts |
| C) Bacteria | D) Plants |

Answer:

- 8 Which of the following refers to the addition of microorganisms to the diet in order to provide health benefits beyond basic nutritive value?
- |                |               |
|----------------|---------------|
| A) Antibiotics | B) Adjuvants  |
| C) Prebiotics  | D) Probiotics |

Answer:

- 9 Infectious self-reproducing agents consisting only of protein, with no nucleic acids are called
- |                |              |
|----------------|--------------|
| A) Prion       | B) Proteomes |
| C) Proteinoids | D) Exteins   |

Answer:

- 10 Red Blood Cells (RBCs) are formed in the ----- in the adults.
- |           |                    |
|-----------|--------------------|
| A) Head   | B) Red Bone Marrow |
| C) Kidney | D) Heart           |

Answer:

- 11 The year 2023 has been declared by the United Nations as the -----
- |   |  |
|---|--|
| A) International Year of Camelids               | B) International Year of the Millet                  |
| C) International Year of Glaciers' Preservation | D) International Year of Rangelands and Pastoralists |

Answer:

- 12 Which IIT has created history by establishing an international campus in Zanzibar-Tanzania.
- |               |              |
|---------------|--------------|
| A) IIT Bombay | B) IIT Delhi |
|---------------|--------------|

C) IIT Madras

D) IIT Kanpur

Answer:

13 Protein coat of a virus enclosing nucleic acid is called

A) Vector

B) Capsid

C) Plasmid

D) Genome

Answer:

14 A hall is 15 meters long and 12 meters broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall (in centimeter) is

A) 1200

B) 780

C) 1800

D) 960

Answer:

15 A boat, having a length of 3 meters and a breadth of 2 meters, is floating on a lake. The boat sinks by 1 centimeter when a man gets on it. The mass (in kilograms) of the man is

A) 12

B) 60

C) 72

D) 96

Answer:

16 A man took a loan from a bank at the rate of 12% p.a SI. After 3 years he had to pay 5400/- interest alone for the period. The principal amount borrowed by him was

A) 2000/-

B) 10,000/-

C) 17,000/-

D) 15,000/-

Answer:

17 A sum of money placed at CI becomes double in 5 years. In 15 years, how many times will it become at the same rate of interest?

A) 2 times

B) 4times

C) 8 times

D) 6times

Answer:

18 Evaluate:

$$0.01 \times 0.1 - 0.001 \div 10 + 0.01$$

A) 0.0019

B) 0.0109

C) 0.1009

D) 0.1109

Answer:

Signature:

**Directions (Q19-21)** Study the following information carefully to answer these questions.

- Seven executives L, M, N, O, P, Q and R from a company have to visit seven places Ambala, Pinjor, Kalka, Chandigarh, Patiala, Panchkula and Mohali to market their newly launched product.
- The order of persons and cities may not be necessarily the same.
- Each one goes by different airline Ertiga, Wagon R, Alto, Estilo, Eeco, Omni and Alto K10 not necessarily in the same order.
- N goes to Pinjor but not by Alto or Estilo.
- O goes by Alto K10 to Panchkula. P does not go to Mohali.
- The one who goes to Mohali does not travel by Eeco or Alto.
- P travels by Eeco. L does not go to Ambala.
- Q travels to Patiala by Ertiga. M goes to Chandigarh by Wagon R.

19 Who goes to Mohali?

- |      |      |
|------|------|
| A) P | B) Q |
| C) N | D) L |

Answer:

20 Who Travels by Alto?

- |      |      |
|------|------|
| A) P | B) Q |
| C) R | D) O |

Answer:

21 The one who travels by Eeco visits which place?

- |               |              |
|---------------|--------------|
| A) Kalka      | B) Panchkula |
| C) Chandigarh | D) Pinjor    |

Answer:

22 *Mirror* is related to *Reflection* in the same way as *Water* is related to .....?

- |               |               |
|---------------|---------------|
| A) Conduction | B) Dispersion |
| C) Immersion  | D) Refraction |

Answer:

**Directions (Questions 23 to 24):** Study the following information carefully and answer the given questions:

- I. B and E are good in Dramatics and Computer Science.
- II. A and B are good in Computer Science and Physics.
- III. A, D, and C are good in Physics and History.
- IV. C and A are good in Physics and Mathematics.
- V. D and E are good in History and Dramatics

23 Who is good in Physics, History and Dramatics?

- |      |      |
|------|------|
| A) A | B) B |
| C) D | D) E |

Answer:

24 Who is good in History, Physics, Computer Science and Mathematics?

- |      |      |
|------|------|
| A) A | B) B |
| C) C | D) D |

Answer:

25 Pointing to a woman, Naman said, "She is the daughter of the only child of my grandmother." How is the woman related to Naman?

- |           |                    |
|-----------|--------------------|
| A) Sister | B) Niece           |
| C) Cousin | D) Data inadequate |

Answer:

26 The resolving power of a confocal microscope is a function of

- |                                 |   |
|---------------------------------|---|
| A) The wavelength of light used | B) The numerical aperture of the lens system                                  |
| C) Refractive index             | D) The wavelength of light used and the numerical aperture of the lens system |

Answer:

27 Spectral imaging in confocal microscopy can be achieved using

- |                 |                        |
|-----------------|------------------------|
| A) Array of PMT | B) Diffraction grating |
| C) Prism        | D) All the above       |

Answer:

28 Function of AOTF (Acousto-Optic Tunable filters) in confocal laser scanning microscopy

- |   |                               |
|---|-------------------------------|
| A) Laser wavelength selection               | B) Attenuation of laser power |
| C) Controls the laser switching On and Off. | D) All the above              |

Answer:

29 The highest quantum efficiency is achieved in which of the following detectors:

- |               |        |
|---------------|--------|
| A) CCD camera | B) PMT |
|---------------|--------|

- Answer:

A) Spatial overlap between two (or more) different fluorescent labels

B) Interaction between two or more proteins

C) Diffusion of molecules within the cell

D) None of the above

Answer:

A) The inner diameter of column and sensitivity of HPLC are inversely proportional	B) The separation of components present in sample is directly proportional to the pump pressure
C) The separation of components present in sample is inversely proportional to the temperature	D) Polarity of sample, solvent and column influences the HPLC performance

Answer:

A) Hexane, Dichloromethane, Isopropanol, Methanol

B) Water, Methanol, Acetonitrile, Tetrahydrofuran

C) Hexane, Water, Tetrahydrofuran, Acetonitrile

D) Tetrahydrofuran, Isopropanol, Dichloromethane, Methanol

Answer:

A) Polar stationary phase and non-polar mobile phase

B) Non-polar stationary phase and polar mobile phase

C) Non-polar stationary phase and non-polar mobile phase

D) Polar stationary phase and polar mobile phase

Answer:

A) To protect the column from contamination

B) To retard the mobility of mobile phase

C) To resist change in pH

D) All of the above

Answer:



- 35 In what proportion Methanol and water should be mixed to give a mobile phase of polarity index 9.69? (Given: Polarity index of Methanol = 5.1, Polarity index of water = 10.2)

A) 10:90

B) 80:20

C) 90:10

D) 20:80

Answer:

- 36 Which of the following statements regarding NMR spectroscopy is wrong?

A) NMR signals towards the left of the spectral chart correspond to larger chemical shifts.

B) Chemical shifts are larger when the frequencies of the radiation which induces the nuclear transitions are higher

C) Chemical shifts are larger when shielding effects are greater

D) A hydrogen signal splits into  $n+1$  peaks by spin-spin coupling when the number of equivalent hydrogen atoms on adjacent atom(s) is  $n$ , and no other neighboring atoms are involved.

Answer:

- 37 In Bathochromic shift

A) Intensity of absorption increases

B) Intensity of absorption decreases

C) Wavelength of absorption decreases

D) Wavelength of absorption increases

Answer:

- 38 Which of the following is not a technique for preparing solid samples in IR spectroscopy?

A) Solids run in solution

B) Mull technique

### C) Solid films

#### D) Thin films

Answer:

- 39 The advantage of sequential scanning is

A) Emission bands of the individual dyes can be set rather widely.

B) Scan takes twice as long with two dyes.

C) It gives better confocality.

D) It avoids bleed-through / cross-talk.

Answer:

- 40 Please select the correct statement for the FRAP experiment
- A) FRAP can be used for fixed as well as live samples.      B) Sequential imaging is better for FRAP than simultaneous imaging.
- C) FRAP is used to measure molecular dynamics.      D) High resolution imaging is always good for FRAP.

Answer:

- 41 Which of the following is true for traditional and real time PCR?
- A) Both the techniques allow detection of the product in early stages      B) Real time PCR can detect the product in early stages as compared to traditional PCR
- C) Both systems require different primers      D) Both techniques are end point product determination methods

Answer:

- 42 Atmospheric Pressure Photo-Ionization (APPI) is useful for
- A) polar analytes      B) non-polar analytes
- C) polar and non-polar analytes      D) Mid polar

Answer:

- 43 If an analyte is determined to be very polar ( $\log D < 0$ ), then it may be better to investigate other retention mechanisms, such as
- A) HILIC or CN      B) CN or C18
- C) Amide or ion-exchange      D) HILIC or ion-exchange

Answer:

- 44 Which statement(s) is(are) correct regarding cryotome
- A) Impossible to prepare thin sections      B) use of fat solvents can be avoided
- C) Both A and B      D) None of the above

Answer:

- 45 The nuclei of neurons are stained in which colour by Nissl stain
- A) Pink      B) Reddish blue
- C) Greenish blue      D) Violet

Answer:

- 46 The charge-coupled Device (CCD) camera installed in IVIS Spectrum (in vivo animal imaging system) is cooled to what temperature?

Signature:



# National Institute of Pharmaceutical Education and Research Kolkata

## Written Test for the Selection of Public Relations Officer

Number of Questions : 50

Date: 13.12.2023

Duration : One Hour

Name :

Application Number :

### General Instructions

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8. The candidate has to sign at the bottom of all the pages

Signature of the Supervisor

Signature of the candidate

1 Which word is a synonym for 'wonderful'?

- |                 |             |
|-----------------|-------------|
| A) Courageous   | B) Gorgeous |
| C) Embarrassing | D) Huge     |

Answer:

2 She \_\_\_\_\_ to the gym early.

- |          |         |
|----------|---------|
| A) go    | B) goes |
| C) going | D) Gone |

Answer:

3 She sat \_\_\_\_\_ to her best friend in the class.

- |            |            |
|------------|------------|
| A) Close   | B) closer  |
| C) closest | D) Closely |

Answer:

4 Which of the following is either a synonym or an antonym of "INTERIM"

- |             |              |
|-------------|--------------|
| A) Interval | B) Temporary |
| C) Timely   | D) Internal  |

Answer:

5 Which of the following is either a synonym or an antonym of "REITERATE"

- |           |               |
|-----------|---------------|
| A) Deny   | B) Frustrate  |
| C) Repeat | D) Illustrate |

Answer:

6 Strong and settled dislike between two persons

- |              |              |
|--------------|--------------|
| A) Apathy    | B) Hatred    |
| C) Antipathy | D) Animosity |

Answer:

7 Which state in India recently became the first to establish a Happiness Department?

- |                   |              |
|-------------------|--------------|
| A) Maharashtra    | B) Karnataka |
| C) Madhya Pradesh | D) Punjab    |

Answer:

8 Which of the following states does not share a border with Bangladesh?

- A) Assam
- B) Meghalaya
- C) Tripura
- D) Odisha

Answer:

9 If a clock shows 3.30, what is the angle between the hour hand and the minute hand?

- A) 60 degrees
- B) 45 degrees
- C) 180 degrees
- D) 90 degrees

Answer:

10 The amazon rainforest is primarily located in which continent?

- A) South America
- B) Africa
- C) Asia
- D) North America

Answer:

11 Who is responsible for formulating the monetary policy in India?

- A) Finance Ministry
- B) Reserve Bank of India
- C) Ministry of Commerce and Industry
- D) Planning Commission

Answer:

12 What is the name of India's foreign intelligence agency responsible for gathering external intelligence and counter-terrorism?

- A) RAW (Research and Analysis Wing)
- B) NIA (National Investigation Agency)
- C) CBI (Central Bureau of Investigation)
- D) IB (Intelligence Bureau)

Answer:

13 If  $p$  and  $q$  are prime numbers such that  $p < q < 70$  and  $p + q$  is a factor of 243, then how many values of  $q$  are possible

- A) 3
- B) 2
- C) 1
- D) 4

Answer:

14 Find the average of all even natural numbers till 75

- A) 34
- B) 36

Signature:

C) 38

D) 40

Answer:

- 15 A person loses 10% on one investment but gains 20% on another. If the ratio of the investments is 3:4, what is the percentage of gain or loss on the two investments taken together?

A)  $6\frac{1}{8}\%$

B)  $7\frac{1}{7}\%$

C)  $11\frac{1}{9}\%$

D)  $7\frac{1}{9}\%$

Answer:

- 16 A man, a woman, and a boy can complete a job in 3, 4 and 12 days, respectively. How many boys must assist 1 man and 1 woman to complete the job in  $(\frac{1}{4})$ th of a day

A) 4

B) 41

C) 3

D) 31

Answer:

- 17 In covering a particular distance, the speeds of A and B are in the ratio of 3:4. A takes 30 minutes more than B to reach the destination. The time taken by A to reach the destination is

A) 2.5 hours

B) 2 hours

C) 3 hours

D) 3.5 hours

Answer:

- 18 The price of 15 tube lights is equal to that of 3 fans. The price of 25 tube lights and 6 fans together is 5500/-. The total price of 12 tube lights and 2 fans is

A) 2200/-

B) 1600/-

C) 1350/-

D) 2000/-

Answer:

- 19 NOISE : DIN ::

A) Injury : Pride

B) Sincerity : Homage

C) Emotion : Fervor

D) Signal : Message

Answer:

- 20 COLLUSION : CONSPIRATORS ::

A) Conclusion: Messengers

B) Cooperation : Partners

Signature:

C) Revision : Correspondence

D) Identification : Arbitrators

Answer:

21 Find out the pair which is different from the other given pairs.

A) 60 : 80

B) 24 : 30

C) 54 : 72

D) 36 : 48

Answer:

22 **Statement:** In order to project a politically correct image and to attract more women to the services, the armed forces have been giving undue publicity to women's recruitment.

**Conclusions:**

I. No woman has joined the armed forces.

II. Men are not encouraged to join the armed forces.

The army is interested in its image.

A) Only I and II

B) Only I

C) Only III

D) Only II

Answer:

23 A National level player, while travelling from Madurai to Delhi on a train thrown out by a group of gangsters while trying to rob her. What should you do as the in charge of the train and who just saw the incident?

Arrange the following from MOST effective response to LEAST effective response?

P: Inform the police, who are in the train about the incident.

Q: Inform the Railway Protection Force (RPF) authorities when the next stop comes.

R: Do nothing as the gangster may harm you.

S: Stop the train by pulling the chain and give first aid to the victim.

A) PSQR

B) QSPR

C) SPQR

D) SPRQ

Answer:

24 While solving the test paper, students find that the fifth question for starting is out of the syllabus that is sixteenth from the last, then the total number of questions asked from the syllabus are:

A) 19

B) 20

C) 21

D) 16

Answer:

Signature:



25 If in a certain code, BAT = 23 and CAT = 24, then how will you code BALL?

- A) 27
- B) 28
- C) 32
- D) 120

Answer:

26 PESTLE analysis primarily helps an entity in the Marketing of:

- A) Existing Products/ Services
- B) Improved Products/ Services
- C) New Product/ Services
- D) Performance Improvement of Product/ Services

Answer:

27 What does "negative space" refer to in design?

- A) The space between lines and shapes
- B) Empty or unoccupied space around or between visual elements
- C) The main focal point in a composition
- D) The use of dark colours in a design

Answer:

28 In media law, what defence might be available to a defendant accused of defamation if the statement is proven to be true?

- A) Fair comment
- B) Consent
- C) Qualified privilege
- D) Truth or justification

Answer:

29 In the decision-making process, what does the acronym SWOT stand for?

- A) Strong, Weak, Opportunities, Threats
- B) Strengths, Weaknesses, Opportunities, Threats
- C) Strategies, Weaknesses, Opportunities, Trends
- D) Strategic, Weak, Objectives, Trends

Answer:

30 What is the primary purpose of the "fair use" doctrine in copyright law?

- A) To protect the rights of copyright holders
- B) To provide an exception for certain uses of copyrighted material
- C) To extend copyright protection indefinitely
- D) To restrict access to copyrighted works

Answer:

Signature:

31 What authority does the Press Council of India typically have under the Press Council Act?

- |   |  |
|---|--|
| A) Power to shut down media outlets                               | B) Ability to impose fines on journalists        |
| C) Advisory and quasi-judicial powers to address media grievances | D) Control over political reporting in the media |

Answer:

32 What is the primary role of the Press Information Bureau (PIB) in India?

- |  |  |
|--|--|
| A) To regulate private media organizations                       | B) To distribute government advertisements |
| C) To provide information about government policies and programs | D) To control social media content         |

Answer:

33 What is the time limit for a public authority to respond to an RTI application?

- |            |            |
|------------|------------|
| A) 15 Days | B) 30 Days |
| C) 45 Days | D) 60 Days |

Answer:

34 What term is used to describe the practice of managing communication between an organization and its public during a crisis?

- |                         |                 |
|-------------------------|-----------------|
| A) Crisis Communication | B) Media Blitz  |
| C) Publicity Stunt      | D) Spin Control |

Answer:

35 Which of the following is NOT a typical function of a Public Relations professional?

- |                      |                        |
|----------------------|------------------------|
| A) Media Relations   | B) Product Development |
| C) Crisis Management | D) Event Planning      |

Answer:

36 What is the concept of "brand management" in Public Relations?

- |  |  |
|--|--|
| A) Controlling the market share of competitors | B) Maintaining and enhancing the reputation of a brand |
| C) Ignoring customer feedback                  | D) Reducing advertising budgets                        |

Signature:

Answer:

37 What distinguishes new media from traditional media?

- |                         |   |
|-------------------------|---|
| A) Physical format      | B) Historical relevance                 |
| C) Limited global reach | D) Interactivity and user participation |

Answer:

38 What term is used to describe the individuals or groups outside the organization who may be affected by or can affect the success of a PR campaign?

- |                 |              |
|-----------------|--------------|
| A) Stakeholders | B) Insiders  |
| C) Competitors  | D) Advocates |

Answer:

39 Which government body in India is responsible for overseeing issues related to cybersecurity and digital privacy?

- |   |  |
|---|--|
| A) Telecom Regulatory Authority of India (TRAI) | B) Securities and Exchange Board of India (SEBI) |
| C) Press Information Bureau of India (PIB)      | D) National Cyber Security Coordinator (NCSC)    |

Answer:

40 What should be a consideration when selecting the timing for a media briefing?

- |  |   |
|--|---|
| A) Conducting it during a major holiday    | B) Keeping it at an irregular and unpredictable time                        |
| C) Scheduling it during peak working hours | D) Aligning it with the news cycle and avoiding conflicts with major events |

Answer:

41 What is a key element of the preparation process for a successful media briefing?

- |   |                                   |
|---|-----------------------------------|
| A) Anticipating potential questions and preparing responses | B) Confirming Media participation |
| C) Discussion about the arrangements with organizers        | D) All of the above               |

Answer:

42 Under the Constitution of India, what is the significance of Article 21 in relation to media?

- |                      |                       |
|----------------------|-----------------------|
| A) Right to equality | B) Right to education |
|----------------------|-----------------------|

Signature:

- C) Right to life and personal liberty      D) Right to religious freedom

Answer:

43 Which aspect of event planning becomes particularly crucial for VVIP visits in Public Relations?

- A) Entertainment value      B) Protocol and logistics  
C) Decor and aesthetics      D) Public participation

Answer:

44 In the context of new media, what does the term "UGC" stand for?

- A) Universal Graphics      B) Unified Growth Concept  
Configuration  
C) User-Generated Content      D) Undergraduate Curriculum

Answer:

45 What is the primary goal of event planning in the context of PR for VVIP visits?

- A) To generate revenue      B) To ensure security and safety  
C) To attract media attention      D) To control public opinion

Answer:

46 What is meant by the balance in a news story??

- A) Getting a lawyer's opinion before writing an article.      B) Having several authors write a story.  
C) Covering all sides of an issue as fairly as possible.      D) Giving the same amount of space to every paragraph.

Answer:

47 How does PR differ from advertising?

- A) PR focuses on promoting products, while advertising focuses on managing public perception.      B) PR is paid media, while advertising is earned media.  
C) PR aims to build relationships and manage reputation, while advertising aims to promote products or services directly.      D) PR relies solely on social media, while advertising relies on traditional media.

Answer:

Signature:

48 Hard news is mostly

A) Spot news

B) Society news

C) Entertainment news

D) Filler news

Answer:

49 Mistake in news reading is known as

A) Fluff

B) Foot in the door

C) Ident

D) Lift

Answer:

50 Which document describes your needed camera set-ups ?

A) Shot list

B) Rule of Thirds

C) Script

D) Synopsis

Answer:

Number of questions answered	
Number of questions unanswered	

Signature:

# National Institute of Pharmaceutical Education and Research Kolkata

## Written Test for the Selection of Guest House & Hostel Supervisor

Number of Questions : 50

Date: 13.12.2023

Duration : One Hour

Name :

Application Number :

### **General Instructions**

1. On receipt of the question paper please verify 50 questions are available with serial numbers 1-50. If any serial numbers are repeated, please exchange the question paper before answering.
2. The questions are of multiple-choice type with four options. Please select your answer and write the alphabet of the option i.e. A, B, C or D in the space provided with Black or Blue Ball Point Pen.
3. The following marks in the answers are treated as ineligible.  $\surd$ , X, O,  $\square$ , underlining.
4. If the written answers are to be changed, please cancel the already written answer completely by drawing a line on the answer and the new answer to be written at the bottom or side.
5. **Every correct answer will carry one mark each and wrong answer will be provided with a negative mark of 0.25**
6. If any questions are found repeated, the candidate has the choice to answer or omit, but all the questions will be awarded marks.
7. The candidate has to mention the number of questions answered and the number of questions unanswered in the last page.
8. The candidate has to sign at the bottom of all the pages

**Signature of the Supervisor**

**Signature of the candidate**

1 Which word is a synonym for 'wonderful'?

- |                 |             |
|-----------------|-------------|
| A) Courageous   | B) Gorgeous |
| C) Embarrassing | D) Huge     |

Answer:

2 She \_\_\_\_\_ to the gym early.

- |          |         |
|----------|---------|
| A) go    | B) goes |
| C) going | D) Gone |

Answer:

3 In the following question, a sentence is marked in parts indicated as (A), (B) and (C) etc. having an error in any part of it. When you find an error in any one of the parts, select that part as your answer. Error may be in grammar, word usage or idioms. There may be a word missing or there may be a word that should be removed.

In the early 90s, (A)/ a noted architect photographed (B)/ the water bodies nestled (C)/inside the textile mills of Mumbai. (D)

- |      |      |
|------|------|
| A) A | B) B |
| C) C | D) D |

Answer:

4 To turn the tables

- |                    |                               |
|--------------------|-------------------------------|
| A) To defeat       | B) To oppose                  |
| C) To create chaos | D) To change the sorry scheme |

Answer:

5 Dog in the manger

- |   |  |
|---|--|
| A) An undersized bull almost the shape of a dog                         | B) A dog that has no kennel of its own                                     |
| C) A person who puts himself in difficulties on account of other people | D) A person who prevents others from enjoying something useless to himself |

Answer:

6 Choose the correctly spelt word.

- |                 |                  |
|-----------------|------------------|
| A) Perseverance | B) Preservance   |
| C) Perseverence | D) Preserverence |

Answer:

- Answer:

- Answer:

- Answer:

- Answer:

- Answer:

- Answer:

- 2



C) 10

D) 12

Answer:

- 14 Mrs. Roy spent Rs. 44620 on Deepawali shopping, Rs. 32764 on buying laptop and the remaining 32% of the total amount she had as cash with her. What was the total amount?

A) Rs. 113800

B) Rs. 131800

C) Rs. 113500

D) Rs. 113600

Answer:

- 15 If  $x$  is inversely proportional to  $y$  and  $y$  is proportional to  $z$ , then  $xz$

A) is proportional to  $y$

B) is inversely proportional to  $y$

C) is a constant

D) is proportional to  $y^2$

Answer:

- 16 The average age of students of a class is 15.8 years. The average age of boys in the class is 16.4 years and that of the girls is 15.4 years. The ratio of the number of boys to the number of girls in the class is

A) 1 : 2

B) 2 : 3

C) 3 : 4

D) 3 : 5

Answer:

- 17 A certain sum of money becomes three times of itself in 20 years at simple interest. In how many years does it become double of itself at the same rate of simple interest?

A) 12 years

B) 15 years

C) 10 years

D) 14 years

Answer:

- 18 Two successive discounts of 8% and 12% are equal to a single discount of :

A) 22%

B) 19.04%

C) 20%

D) 20.96%

Answer:

- 19 Namita walks 14 meters towards west, then turns to her right and walks 14 meters and then turns to her left and walks 10 meters. Again turning to her left she walks 14 meters. What is the shortest distance (in meters) between her starting point and the present position?

Signature:

- |         |         |
|---------|---------|
| A) 10 m | B) 24 m |
| C) 28 m | D) 38 m |

Answer:

- 20 Rohan ranks seventh from the top and twenty-sixth from the bottom in a class. How many students are there in the class?

- |       |       |
|-------|-------|
| A) 31 | B) 32 |
| C) 33 | D) 34 |

Answer:

- 21 If ' $<$ ' means 'minus', ' $>$ ' means 'plus', ' $=$ ' means 'multiplied by' and ' $\div$ ' means 'divided by', then what would be the value of  $27 > 81 \div 9 < 6$ ?

- |       |       |
|-------|-------|
| A) 6  | B) 30 |
| C) 36 | D) 54 |

Answer:

- 22 Three of the following four words are alike in a certain way and one is different. Pick the odd one out.

1. Hendecagon 2. Hexagon 3. Heptagon 4. Pentagon

- |      |      |
|------|------|
| A) 3 | B) 2 |
| C) 1 | D) 4 |

Answer:

- 23 In a row of girls, Kamya is fifth from the left and Preeti is sixth from the right. When they exchange their positions, then Kamya becomes thirteenth from the left. What will be Preeti's position from the right?

- |                     |                     |
|---------------------|---------------------|
| A) 7 <sup>TH</sup>  | B) 11 <sup>TH</sup> |
| C) 14 <sup>TH</sup> | D) 18 <sup>TH</sup> |

Answer:

**Directions (Question 24 to 25): Read the following information carefully and answer the questions below it:**

The sum of the incomes of A and B is more than that of C and D taken together.  
The sum of the incomes of A and C is the same as that of B and D taken together.  
Moreover, A earns half as much as the sum of the incomes of B and D.

24 Which of the following statements is not correct?

- |                         |                         |
|-------------------------|-------------------------|
| A) A earns more than B. | B) B earns more than D. |
| C) C earns equal to D.  | D) B earns more than C. |

Answer:

25 If A's income be Rs.80,000 per annum and the difference between the incomes of B and D be the same as A's income, B's income is

- |              |                |
|--------------|----------------|
| A) Rs.40,000 | B) Rs.60,000   |
| C) Rs.80,000 | D) Rs.1,20,000 |

Answer:

26 The hierarchy / organization chart for proper hostel management should include

- |                                |   |
|--------------------------------|---|
| A) Warden and Cleaners         | B) Warden and Cooks                                 |
| C) Warden, Cleaners, and Cooks | D) Warden, Cleaners, Cooks, Porters and Linen Maids |

Answer:

27 The responsibilities of the hostel housekeeper would include

- |                             |  |
|-----------------------------|--|
| A) Only cleaning            | B) Cleaning and staffing   |
| C) Cleaning and maintenance | D) Cleaning, maintenance, staffing, budgetary control and security |

Answer:

28 As per you, which of these is the most important information an Event Manager would require prior to planning an event?

- |                                      |                        |
|--------------------------------------|------------------------|
| A) Similar past events held by group | B) Expected attendance |
| C) Budget                            | D) Group demographics  |

Answer:

29 In most hostels, collection and delivery of laundry is usually done

- |              |            |
|--------------|------------|
| A) Daily     | B) Weekly  |
| C) Bi-weekly | D) Monthly |

Answer:

30 CPR in First-aid stands for

- |                                     |                                    |
|-------------------------------------|------------------------------------|
| A) Cardiopulmonary resuscitation    | B) Cardiobipulmonary resuscitation |
| C) Cardiotripulmonary resuscitation | D) Cardiosipulmonary resuscitation |

Answer:

- 31 The act of transferring one's own responsibilities to subordinates by the managers is called \_\_\_\_\_
- A) Top down management approach      B) Bottoms-up management approach  
C) Decentralization      D) Delegation

Answer:

- 32 An injury caused by hot liquid or steam is called \_\_\_\_\_
- A) Burn      B) Scald  
C) Asphyxia      D) Abrasion

Answer:

- 33 The term "R-Series" in housekeeping is usually associated with
- A) Cleaning Agents      B) Cleaning Equipments  
C) Cleaning Methods      D) Cleaning Procedures

Answer:

- 34 The \_\_\_\_\_ movement, an initiative of Food Safety and Standards Authority of India (FSSAI) with the tagline \_\_\_\_\_, is aimed at transforming the country's food system in order to ensure safe, healthy and sustainable food for all Indians.
- A) Eat Right India, Sahi Bhojan      B) Drink Right India, Sahi Poshan  
Behtar Jeevan  
C) Eat and Drink Right India, Sahi      D) Think Wise India, Sahi Chunav  
Bhojan aur Poshan Behtar Jeevan      Behtar Jeevan

Answer:

- 35 Which of these is example of fire safety equipments?
- A) Fire extinguishers, hose reels      B) Hose reels, fire monitors  
C) Nozzles and hose pipes      D) All of these

Answer:

- 36 The term \_\_\_\_\_ refers to the stocks of purchased operating supplies, equipment, and other items held for future use.
- A) Storing      B) Inventory  
C) Replenishment      D) None of these

Answer:

- 37 A \_\_\_\_\_ is an agreement to provide a specific quantity of listed items for a period of time at an agreed price.
- A) Cost-plus purchasing                      B) Blanket-order purchasing  
C) Total-supply purchasing                D) Petty-cash system purchasing

Answer:

- 38 Class \_\_\_\_\_ extinguishers are used for electrical fires.
- A) A    B) B  
C) D    D) C

Answer:

- 39 Under the NIPER statutes, the Board of Governors shall ordinarily meet \_\_\_\_\_ time(s) during a calendar year.
- A) One    B) Two  
C) Three    D) Four

Answer:

- 40 FSSAI Basic Registration is required if the annual turnover of a canteen is below Rs.\_\_\_\_ lakh, and FSSAI State License is required if the annual turnover of a canteen is more than Rs.\_\_\_\_ lakh.
- A) 5, 10    B) 12, 12  
C) 10, 15    D) 15, 20

Answer:

- 41 \_\_\_\_\_ inventory is the process of cross-checking financial records with physical inventory and records.
- A) Auditing    B) Costing  
C) Pricing    D) Balancing

Answer:

- 42 The most serious environmental effect posed by hazardous wastes is \_\_\_\_\_
- A) Air pollution    B) Contamination of groundwater  
C) Increased landfill sites                      D) All of these

Answer:

- 43 \_\_\_\_\_ improves the efficiency of solid waste management.
- A) Processing    B) Collection

C) Composting

D) None of the above

Answer:

44 Cost of ingredients

----- X 100 =?

Total food sales

A) Cost of menu

B) Average cost

C) Potential food cost percentage

D) Actual food cost percentage

Answer:

45 What is the transmission agent for Viruses and Protozoa?

A) Air

B) Water

C) Light

D) All the above

Answer:

46 What do we mean by the term "Risk" in Food Hygiene?

A) The likelihood that a hazard will occur

B) The process of spoilage

C) the danger on having spoiled food

D) The results after having food hazards

Answer:

47 What is the name of the small metal or plastic container with a lid, kept in the toilet for the collection of soiled sanitary towels?

A) Sanitary bin

B) Waste towel bin

C) Soiled linen bin

D) Sani-bin

Answer:

48 Which of the one responsible for vegetable spoilage?

A) Moulds or Fungus

B) Fungus or Bacteria

C) Moulds or Bacteria

D) Virus

Answer:

49 Which of the following could survive treatment with insecticide?

A) Crawling insects

B) Flying insects

C) Cockroach eggs

D) Cockroaches

Answer:

Signature:

50 How is food inventory turnover calculated?

- A) Average food/Cost of food      B) Cost of Food Used/Average Food Inventory
- C) Food Inventory/Selling Cost      D) Selling Cost/Food Inventory

Answer:

Number of questions answered	
Number of questions unanswered	

**National Institute of Pharmaceutical Education and Research, Kolkata**

**Answer Key**

**Written Test for the Selection of Scientist/Technical Supervisor Grade II**

Questions	Answers	Questions	Answers	Questions	Answers
Q-1	D	Q-21	A	Q-41	B
Q-2	D	Q-22	D	Q-42	B
Q-3	A	Q-23	C	Q-43	D
Q-4	B	Q-24	A	Q-44	C
Q-5	D	Q-25	A	Q-45	C
Q-6	D	Q-26	D	Q-46	A
Q-7	C	Q-27	D	Q-47	B
Q-8	C	Q-28	D	Q-48	C
Q-9	A	Q-29	C	Q-49	D
Q-10	B	Q-30	A	Q-50	B
Q-11	B	Q-31	C		
Q-12	A	Q-32	A		
Q-13	B	Q-33	B		
Q-14	A	Q-34	C		
Q-15	B	Q-35	C		
Q-16	D	Q-36	C		
Q-17	C	Q-37	D		
Q-18	B	Q-38	D		
Q-19	D	Q-39	D		
Q-20	C	Q-40	C		



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**Answer Key**

**Written Test for the Selection of Public Relations Officer**

Questions	Answers	Questions	Answers	Questions	Answers
Q-1	B	Q-21	B	Q-41	A
Q-2	B	Q-22	C	Q-42	C
Q-3	B	Q-23	C	Q-43	B
Q-4	B	Q-24	A	Q-44	B
Q-5	C	Q-25	A	Q-45	B
Q-6	C	Q-26	C	Q-46	C
Q-7	D	Q-27	B	Q-47	C
Q-8	D	Q-28	D	Q-48	A
Q-9	D	Q-29	B	Q-49	A
Q-10	A	Q-30	B	Q-50	A
Q-11	B	Q-31	C		
Q-12	A	Q-32	C		
Q-13	C	Q-33	B		
Q-14	C	Q-34	A		
Q-15	A	Q-35	B		
Q-16	B	Q-36	B		
Q-17	B	Q-37	D		
Q-18	A	Q-38	A		
Q-19	C	Q-39	D		
Q-20	B	Q-40	D		

**National Institute of Pharmaceutical Education and Research, Kolkata**

**Answer Key**

**Written Test for the Selection of Guest House & Hostel Supervisor**

Questions	Answers	Questions	Answers	Questions	Answers
Q-1	B	Q-21	B	Q-41	A
Q-2	B	Q-22	A	Q-42	B
Q-3	B	Q-23	C	Q-43	A
Q-4	D	Q-24	A	Q-44	D
Q-5	D	Q-25	D	Q-45	B
Q-6	A	Q-26	D	Q-46	A
Q-7	B	Q-27	D	Q-47	D
Q-8	A	Q-28	C	Q-48	C
Q-9	B	Q-29	B	Q-49	C
Q-10	B	Q-30	A	Q-50	B
Q-11	A	Q-31	D		
Q-12	C	Q-32	B		
Q-13	C	Q-33	A		
Q-14	A	Q-34	A		
Q-15	C	Q-35	D		
Q-16	B	Q-36	B		
Q-17	C	Q-37	B		
Q-18	B	Q-38	D		
Q-19	B	Q-39	C		
Q-20	B	Q-40	B		