

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

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 13th 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) 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	0980101024740	CNRB0002549
	Branch		

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.

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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. $\sqrt{}$, 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 remainto their cause leading to the stretching of their strike.					
	1	1. unmoved	2. lethargic 3. uncor	ncerned	4. apathetic	5. indifferent
	(6. bored				
	A)	2 and 3		B)	3 and 6	
	C)	1 and 5		D)	4 and 5	
Answe	er:					
2	Dru	gs worth Rs. 3	3 lakhs were	from t	the apartment	t by the police.
	1.	manufactured	d 2. ruptured 3. seiz	zed 4.	confiscated	5. bought
	6. cc	ompared				
	A)	1 and 4		B)	2 and 6	
	C)	3 and 5		D)	3 and 4	
Answe	er:				Λ	
3			to the mission of lents and related injurie		, , ,	ared an action plan
_	-	l. specified	2. inaugurated 3. com	mitted	4. kicked off	5. succumbed
	(6. dedicated				
	A)	3 and 6		B)	1 and 5	
	C)	2 and 5		D)	4 and 6	
Answe	er:					
4	(C) part	etc. having and sets, select that j	question, a sentence is reerror in any part of it. It part as your answer. En	When yo	ou find an erro be in gramn	or in any one of the nar, word usage or
		oved.	ay be a word missing	or there	may be a wo	ord that should be
			(A)/ a noted architece the textile mills of Mu			the water bodies
	A)	A		B)	В	
	C)	С		D)	D	
Answe	er:					
5	To t	urn the tables	3			
	A)	To defeat		B)	To oppose	
	C)	To create ch	naos	D)	To change th	he sorry scheme
Answe	Answer:					

6	Do	og in the manger		
	A)	An undersized bull almost the shape of a dog	e B)	A dog that has no kennel of its own
	C)	A person who puts himself ir difficulties on account of other people	,	A person who prevents others from enjoying something useless to himself
Ansv	ver:			
7	A ba	cteriophage infects		
	A)	Viruses	B)	Yeasts
	C)	Bacteria	D)	Plants
Ansv	ver:			
8		ch of the following refers to the addition of the health benefits beyond basic nu		O .
	A)	Antibiotics	B)	Adjuvants
	C)	Prebiotics	D)	Probiotics
Ansv	ver:		VI	ALT
9		tious self-reproducing agents consisti alled	ing only	of protein, with no nucleic acids
	A)	Prion	B)	Proteomes
	C)	Proteinoids	D)	Exteins
nswe	er:			
10	Red	Blood Cells (RBCs) are formed in the		in the adults.
	A)	Head	B)	Red Bone Marrow
	C)	Kidney	D)	Heart
Ansv	ver:	,	,	
11	The y	rear 2023 has been declared by the Un	ited Nat	tions 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
Ansv	ver:			
12	Whic	h IIT has created history by establishi	ing an ir	nternational campus in Zanzibar-
	A)	IIT Bombay	B)	IIT Delhi

	C)	IIT Madras	D)	IIT Kanpur
Answ	ver:			
13	Pro	tein coat of a virus enclosing nucleic	acid is	called
	A)	Vector	B)	Capsid
	C)	Plasmid	D)	Genome
Ans	swer:			
14	and	e e		If the sum of the areas of the floor of four walls, the volume of the hall
	A)	1200	В)	780
	C)	1800	D)	960
Ans	swer:			
15	The			of the of 2 meters, is floating on a lake. The mass (in kilograms) of
_	C)	72	D)	96
Ans	swer:		<i>D</i>)	
	,,, 61.			
16		nan took a loan from a bank at the ra 0/- interest alone for the period. The		% p.a SI. After 3 years he had to pay pal amount borrowed by him was
	A)	2000/-	B)	10,000/-
	C)	17,000/-	D)	15,000/-
Ans	swer:			
17		um of money placed at CI becomes es will it become at the same rate of		e in 5 years. In 15 years, how many t?
	A)	2 times	B)	4times
	C)	8 times	D)	6times
Ans	swer:			
18		luate:		
		$x 0.1 - 0.001 \div 10 + 0.01$		
	A)	0.0019	B)	
	C)	0.1009	D)	0.1109
Ans	swer:			

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 many 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
 - C) R

) Q

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)	В	
	C)	D	D)	E	
Ans	wer:				
24	Who	is good in History, Physics, Compute	er Scien	nce and Mathematics?	
	A)	A	B)	В	
	C)	C	D)	D	
Ans	wer:				
25		nting to a woman, Naman said, "She industries." How is the woman related			
	A)	Sister	B)	Niece	
	C)	Cousin	D)	Data inadequate	
Ans	wer:				
26	The	resolving power of a confocal micros	cope is	s a function of	
_	A)	The wavelength of light used	B)	The numerical aperture of the	
				lens system	
Ans	C) wer:	Refractive index	D)	The wavelength of light used and the numerical aperture of the lens system	
	wer:			The wavelength of light used and the numerical aperture of the lens system	
Ans	wer:	ctral imaging in confocal microscopy	can be	The wavelength of light used and the numerical aperture of the lens system achieved using	
	wer: Spec A)	etral imaging in confocal microscopy Array of PMT	can be B)	The wavelength of light used and the numerical aperture of the lens system achieved using Diffraction grating	
27	wer: Spec A) C)	ctral imaging in confocal microscopy	can be	The wavelength of light used and the numerical aperture of the lens system achieved using	
27	wer: Spec A)	etral imaging in confocal microscopy Array of PMT	can be B)	The wavelength of light used and the numerical aperture of the lens system achieved using Diffraction grating	
27	wer: Spec A) C) wer:	etral imaging in confocal microscopy Array of PMT	can be B) D)	The wavelength of light used and the numerical aperture of the lens system achieved using Diffraction grating All the above	
27 Ans	wer: Spec A) C) wer:	etral imaging in confocal microscopy Array of PMT Prism ction of AOTF (Acousto-Optic Tunab	can be B) D)	The wavelength of light used and the numerical aperture of the lens system achieved using Diffraction grating All the above	
27 Ans	Spece A) C) wer: Function	etral imaging in confocal microscopy Array of PMT Prism ction of AOTF (Acousto-Optic Tunab	can be B) D)	The wavelength of light used and the numerical aperture of the lens system achieved using Diffraction grating All the above	
27 Ans 28	Spece A) C) wer: Function	ctral imaging in confocal microscopy Array of PMT Prism ction of AOTF (Acousto-Optic Tunab coscopy Laser wavelength selection Controls the laser switching On	can be B) D) le filte B)	The wavelength of light used and the numerical aperture of the lens system achieved using Diffraction grating All the above rs) in confocal laser scanning Attenuation of laser power	
27 Ans 28	Spece A) C) wer: Funce micro A) C)	ctral imaging in confocal microscopy Array of PMT Prism ction of AOTF (Acousto-Optic Tunab coscopy Laser wavelength selection Controls the laser switching On	can be B) D) le filte B)	The wavelength of light used and the numerical aperture of the lens system achieved using Diffraction grating All the above rs) in confocal laser scanning Attenuation of laser power	
27 Ans 28	wer: Spec A) C) wer: Func micr A) C) wer:	ctral imaging in confocal microscopy Array of PMT Prism ction of AOTF (Acousto-Optic Tunab coscopy Laser wavelength selection Controls the laser switching On	can be B) D) le filte B) D)	The wavelength of light used and the numerical aperture of the lens system achieved using Diffraction grating All the above rs) in confocal laser scanning Attenuation of laser power All the above	

	C)	EMCCD camera	D)	sCMOS camera
Ans	wer:			
30	In flu	uorescence microscopy, colocalization	refers	to
	A)	Spatial overlap between two (or more) different fluorescent labels	В)	Interaction between two or more proteins
	C)	Diffusion of molecules within the cell	D)	None of the above
Ans	wer:			
31	Cho	ose the wrong statement about the fac	tors in	fluencing the HPLC performance
	A)	The inner diameter of column and sensitivity of HPLC are inversely proportional	В)	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
Ans	wer:	HARI	V	ALT
32		ch of the following set of solvents arra		
	A)	Hexane, Dichloromethane, Isopropanol, Methanol	B)	Water, Methanol, Acetonitrile, Tetrahydrofuran
	C)	Hexane, Water, Tetrahydrofuran, Acetonitrile	D)	Tetrahydrofuran, Isopropanol, Dichloromethane, Methanol
Ans	wer:		4	
33		correct combination of stationary and ersed phase HPLC is	mobile	e phases generally used in a
	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
Ans	wer:			
34	Why	Buffer solution is used in mobile pha	se?	
	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
Ans	wer:			

35	of p	what proportion Methanol and water olarity index 9.69? (Given: Polarity in		
		er = 10.2) 10:90	B/	80:20
	A)	90:10	B)	
A 12.0	C) wer:	90.10	D)	20:80
AIIS	wei.			
36	Whi	ich of the following statements regard	ding N	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.
Ans	wer:	HARI	V	
37	In Ba	athochromic shift		
	A)	Intensity of absorption increases	B)	Intensity of absorption decreases
	C)	Wavelength of absorption decreases	D)	Wavelength of absorption increases
Ans	wer:			
38		ch of the following is not a techn troscopy?	ique f	for preparing solid samples in IR
	A)	Solids run in solution	B)	Mull technique
	C)	Solid films	D)	Thin films
Ans	wer:			
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:

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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.	
Answ	er:				
41	Wh	ich of the following is true for tradition	onal a	nd 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	
Ans	wer:				
42	Atn	nospheric Pressure Photo-Ionization	(APPI) is useful for	
	A)	p <mark>olar</mark> analytes	B)	non-polar analytes	
	C)	polar and non-polar analytes	D)	Mid polar	
Ans	wer:				
43		n analyte is determined to be very estigate other retention mechanisms,			
	A)	HILIC or CN	B)	CN or C18	
	C)	Amide or ion-exchange	D)	HILIC or ion-exchange	
Ans	swer:				
44	Wh	ich statement(s) is(are) correct regard	ling c	rvotome	
11	A)	Impossible to prepare thin sections	_	use of fat solvents can be avoided	
	C)	Both A and B	D)	None of the above	
Ans	swer:				
45	The	nuclei of neurons are stained in whi	ch col	our by Nissl stain	
	A)	Pink	B)	Reddish blue	
	C)	Greenish blue	D)	Violet	
Ans	wer:				

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

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	A)	-90°C	B)	-60°C
	C)	-120°C	D)	-30°C
Ans	wer:			
47	The a	alpha helix and beta pleated sheet re	prese	nt which level of protein structure?
	A)	Primary	B)	Secondary
	C)	Tertiary	D)	Quarternary
Ans	wer:			
48		ning electron microscope is usually	coup	led with to allow
	elem	ental compositional analysis		
	A)	X-ray Florescence Spectrometry	B)	X-ray Photoelectron Spectroscopy
	C)	Energy Dispersive X-ray Spectrometry	D)	Augur Electron spectroscopy
Ans	wer:			
49	Aton	nic force microscope employs the foll	lowing	g to build a image of surface
	A)	Quantum fields	В)	Polymeric gel
_	C)	Cantilever	D)	Silicon tip
Ans	wer:			
50	Whi	ch law of the following laws applies	to an i	isothermal process?
	A)	Charle's law	B)	Boyle's law
	C)	Gay-Lussac's law	D)	2nd law of thermodynamics
Ans	wer:			
		Number of questions answered		

Number of questions unanswered

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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

- 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.
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- 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.
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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
Ansv	wer:			
2	She_	to the gym early.		
	A)	go	B)	goes
	C)	going	D)	Gone
Ansv	wer:			
3	She	sat to her best friend in the	class.	
	A)	Close	B)	closer
	C)	closest	D)	Closely
Ansv	wer:			
4	W	<mark>/hich of the</mark> following is either a syn	onym	or an antonym of "INTERIM"
	A) Interval		B) Temporary
	C) Timely		D) Internal
Ansv	wer:			
5	V	Which of the following is either a syr	nonym	or an antonym of "REITERATE"
	A) Deny		B) Frustrate
	C) Repeat		D) Illustrate
Ansv	wer:			
6	S	trong and settled dislike between tw	vo per	rsons
	A) Apathy		B) Hatred
	C) Antipathy		D) Animosity
Ansv	wer:			
7		nich state in India recently beca partment?	me tł	ne first to establish a Happiness
	A)	Maharashtra	B)	Karnataka
	C)	Madhya Pradesh	D)	Punjab
Ansv	,	·	,	,

8	Whi	ch of the following states does not s	hare a	border with Bangladesh?
	A)	Assam	B)	Meghalaya
	C)	Tripura	D)	Odisha
Answ	er:			
9	If a c	clock shows 3.30, what is the angle !?	betwe	en the hour hand and the minute
	A)	60 degrees	B)	45 degrees
	C)	180 degrees	D)	90 degrees
Answ	er:			
10	The	<mark>amazon rainforest is pri</mark> marily locat	ed in v	which continent?
	A)	South America	B)	Africa
	C)	Asia	D)	North America
Answ	er:			
	TA 71			$1 \Lambda C V$
11		is responsible for formulating the		
	A)	Finance Ministry	B)	Reserve Bank of India
	C)	Ministry of Commerce and Industry	D)	Planning Commission
Answ	er:	incustry		
12		t is the name of India's foreign internal intelligence and counter-terrori		e agency responsible for gathering
	A)	RAW (Research and Analysis Wing)	B)	NIA (National Investigation Agency)
	C)	CBI (Central Bureau of Investigation)	D)	IB (Intelligence Bureu)
Answ	er:			
13	-	and q are prime numbers such that how many values of q are possible	p < q	< 70 and $p + q$ is a factor of 243,
	A)	3 B)		2
	C)	1 D)	4
Answ	er:			
14	Find	the average of all even natural nun	nbers ti	ill 75
	A)	34 B))	36

		•		
	C)	38	D)	40
Answ	er:			
15	inve		_	s 20% on another. If the ratio of the ain or loss on the two investments
	A)	$6\frac{1}{8}\%$	B)	$7\frac{1}{7}\%$
	C)	$11\frac{1}{9}\%$	D)	$7\frac{1}{9}\%$
Answ				
16		w many boys must assist 1 man a	_	b in 3, 4 and 12 days, respectively. and to complete the job in $(\frac{1}{4})$ th of
	A)	4	B)	41
	C)	3	D)	31
Answ	er:	HAD	N	IACV
17	take	overing a particular distance, the es 30 minutes more than B to react th the destination is		
	A)	2.5 hours	B)	2 hours
	C)	3 hours	D)	3.5 hours
Answ			2)	
18		price of 15 tube lights is equal to ns together is 5500/ The total pr		ans. The price of 25 tube lights and tube lights and 2 fans is
	A)	2200/-	B)	1600/-
	C)	1350/-	D)	2000/-
Answ	er:			
19	NOI	SE : DIN ::		
	A)	Injury : Pride	В)	Sincerity: Homage
	C)	Emotion : Fervor	D)	Signal: Message
Answ	er:			
20	COL	LUSION : CONSPIRATORS ::		
	A)	Conclusion: Messengers	B)	Cooperation : Partners

	C)	Revision : Correspondence	D)	Identification : Arbitrators
Ansv	ver:			
21	Find	out the pair which is different from	the of	her given pairs.
	A)	60:80	B)	24:30
	C)	54:72	D)	36:48
Ansv	ver:			
22	WC	Atement: In order to project a polition of the services, the armed force omen's recruitment.		
		nclusions:		
		I. No woman has joined the arr	med fo	orces.
		II. Men are not encouraged to jo		
	The	army is interested in its image.		
	A)	Only I and II	B)	Only I
	C)	Only III	D)	Only II
Ansv	ver:			
		,		
23	out	ational level player, while travelling by a group of gangsters while trying ge of the train and who just saw the	to rob	her. What should you do as the in
		ange the following from MOST onse?	effectiv	ve response to LEAST effective
	P: In	form the police, who are in the train	about	the incident.
	Q: I:	nform the Railway Protection Forces.	e (RPF	i) authorities when the next stop
	R: D	o nothing as the gangster may harm	you.	
	S: St	op the train by pulling the chain and	l give f	first aid to the victim.
	A)	PSQR	B)	QSPR
	C)	SPQR	D)	SPRQ
Ansv	ver:			
24	of th	le solving the test paper, students fin ne syllabus that is sixteenth from the ed from the syllabus are:		_
	A)	19	B)	20
	C)	21	D)	16
Ansv	ver:			

25	If ir	a certain code, $BAT = 23$ and $CAT = 23$	24, th	en how will you code BALL?
	A)	27	B)	28
	C)	32	D)	120
Ans	wer:			
26	PES	TLE analysis primarily helps an entit	ty in th	ne Marketing of:
	A)	Existing Products/ Services	B)	Improved Products/ Services
	C)	New Product/ Services	D)	Performance Improvement of Product/ Services
Ans	wer:			
27	Wha	at does "negative space" refer to in de	esign?	
	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
Ans	wer:	1 1/ 11 11		
28		media law, what defence might burnation if the statement is proven to		
	A)	Fair comment	B)	Consent
	C)	Qualified privilege	D)	Truth or justification
Ans	wer:			
29	In th	ne decision-making process, what do	es the	acronym SWOT stand for?
	A)	Strong, Weak, Opportunities, Threats		Strengths, Weaknesses, Opportunities, Threats
	C)	Strategies, Weaknesses, Opportunities, Trends	D)	Strategic, Weak, Objectives, Trends
Ans	wer:	Tr comments		
30	Wha	at is the primary purpose of the "fair	use" d	octrine 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
Answ	er:			

31		at authority does the Press Council ncil Act?	of Inc	dia typically have under the Press
	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
Ansv	wer:			
32	Wha	t is the primary role of the Press Info	rmatio	on 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
Ansv	wer:	LADI		MOV
33	Wha	at is the time limit for a public author	ity to	respond to an RTI application?
	A)	15 Days	B)	30 Days
	C)	45 Days	D)	60 Days
Ansv	wer:			
34		t term is used to describe the practice nization and its public during a crisis		anaging communication between an
	A)	Crisis Communication	B)	Media Blitz
	C)	Publicity Stunt	D)	Spin Control
Ansv	wer:			
35	Whi	ch of the following is NOT a typical fu	ınctio	n of a Public Relations professional?
	A)	Media Relations	B)	Product Development
	C)	Crisis Management	D)	Event Planning
Ansv	wer:			
36	Wha	at is the concept of "brand manageme	nt" 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

Answer:			

- What distinguishes new media from traditional media?

 A) Physical format

 B) Historical relevance
- C) Limited global reach

D) Interactivity and user

participation

Answer:

37

- 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:

- 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:

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

B)

D)

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

Answer:

- What is a key element of the preparation process for a successful media briefing?
 - A) Anticipating potential questions B) Confirming Media participation and preparing responses
 - C) Discussion about the D) All of the above arrangements with organizers

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

	C)	Right to life and personal liberty	D)	Right to religious freedom
Ans	wer:			
43		ch aspect of event planning becom lic Relations?	es pai	rticularly crucial for VVIP visits in
	A)	Entertainment value	B)	Protocol and logistics
	C)	Decor and aesthetics	D)	Public participation
Ans	wer:			
44		he context of new media, what does		
	A)	Universal Graphics Configuration	В)	Unified Growth Concept
	C)	User-Generated Content	D)	Undergraduate Curriculum
Ans	wer:			
45	Wha	<mark>at i</mark> s t <mark>he primary</mark> goal of event planni	ing 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
Ans	wer:			
46	Wh	aat 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.
Answ	er:			
47		w does PR differ from advertising?		
	A)	PR focuses on promoting products, while advertising focuses on managing public perception.	В)	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.
Answ	er:			

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stly

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:

- Which document describes your needed camera set-ups?
 - A) Shot list

B) Rule of Thirds

C) Script

D) Synopsis

Answer:

PHARMACY

Number of questions answered

Number of questions unanswered

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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. $\sqrt{}$, 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)	Gorg	geous		
	C)	Embarrassing	D)	Hug	ge		
Ans	wer:						
2	She	to the gym early.					
	A)	go	B)	goes	3		
	C)	going	D)	Gon	e		
Ans	wer:						
3	etc. l selec The In th	ne following question, a sentence is meaning an error in any part of it. When that part as your answer. Error mere may be a word missing or there may be early 90s, (A)/ a noted architect plinside the textile mills of Mumbai. (I	en you ay be ay be notogi	ifind in gra a wo	an error in any one of the parts ammar, word usage or idioms and that should be removed.		
	A)	A		B)	В		
	C)	C		D)	D		
Ans	wer:						
-							
4	To to	urn the tables					
	A)	To defeat		B)	To oppose		
	C)	To create chaos		D)	To change the sorry scheme		
Ans	wer:						
5	Dog	in the manger					
	A)	An undersized bull almost shape of a dog	the	B)	A dog that has no kennel of its own		
	C)	A person who puts himself difficulties on account of other people		D)	A person who prevents others from enjoying something useless to himself		
Ans	wer:						
6	Ch	oose the correctly spelt word.					
	A)	Perseverance		B)	Preservarance		
	C)	Perseverence		D)	Preserverence		
Ans	wer.						

7	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			
Answ	ver:						
8	Which Tanza	n IIT has created history by establishing mia.	g an int	ernational campus in Zanzibar-			
	A)	IIT Bombay	B)	IIT Delhi			
	C)	IIT Madras	D)	IIT Kanpur			
Answe	r:						
9	'Kala]	<mark>Jeera Rice' is a famou</mark> s food product fro	m whi	ch state?			
	A)	West Bengal	В)	Odisha			
	C)	Bihar	D)	Punjab			
Answe:	r:			ACY			
10	'Yasha	aswini' is a group of women bikers of w	vhich I	nstitution?			
	A)	Indian Navy	B)	CRPF			
	C)	CISF	D)	Indian Army			
Answe	r:						
11	At wh	at temperature water has maximum dens	sity?				
	A)	4 °C	В)	0 °C			
	C)	37.5 °C	D)	100 °C			
Answe	r:						
12	Which	Acid is found in grapes?					
	A)	Lactic Acid	В)	Oxalic Acid			
	C)	Tartaric acid	D)	Formic Acid			
Answei	r:						
13		family, the father took $\frac{1}{4}$ of the cake and er members had. The total number of far					
	A)	3	B)	7			

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	C)	10	D)	12
Answ	er:			
14	the	a. Roy spent Rs. 44620 on Deepawali sho remaining 32% of the total amount she l ount?		
	A)	Rs. 113800	B)	Rs. 131800
	C)	Rs. 113500	D)	Rs. 113600
Answ	er:			
15	If x	is inversely proportional to y and y is j	propor	tional 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
Answ	er:			
16	class to th	average age of students of a class is 15 s is 16.4 years and that of the girls is 15. he number of girls in the class is	4 years	s. The ratio of the number of boys
	A)	1:2	B)	2:3
	C)	3:4	D)	3:5
Answ	er:			
17		rtain sum of money becomes three time ow many years does it become doub est?		
	A)	12 years	B)	15 years
	C)	10 years	D)	14 years
Answ	,	,	,	
18	Two	successive discounts of 8% and 12% ar	e equa	al to a single discount of :
	A)	22%	B)	19.04%
	C)	20%	D)	20.96%
Answ				
	er:			
	er:			

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?

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	A)	10 m	В)	24 m
	C)	28 m	D)	38 m
Ansv	ver:			
20		in ranks seventh from the top and twen	ty-sixt	h from the bottom in a class. Hov
	man	y students are there in the class?		
	A)	31	B)	32
	C)	33	D)	34
Ansv	wer:			
21		means 'minus', '>' means 'plus', '='		
	aivi	ded by', then what would be the value of)I 2/ >	781 \$ 9 < 6?
	A)	6	B)	30
	C)	36	D)	54
Ansv	wer:			
22		ee of the following four words are alike i	n a cei	rtain way and one is different. Pic
	the	odd one out.		
_	1.	Hendecagon 2. Hexagon 3. Heptagon	4. Pen	tagon
	A)	3	B)	2
	C)	1	D)	4
	,		2)	
Ansv	ver:			
20	In a r	ow of girls, Kamya is fifth from the left	and F	reati is sixth from the right. When
23		exchange their positions, then Kamya		
	_	be Preeti's position from the right?		
	A)	7 TH	B)	11 TH
	C)	14TH	D)	18 TH
	\sim 1		~ 1	10

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.

Answer:

24	Whi	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.				
Ansv	wer:			,				
25	If A'	s income be Rs.80,000 per annum ar	nd the	difference between the incomes of B				
		D be the same as A's income, B's inco						
	A)	Rs.40,000	B	Rs.60,000				
	C)	Rs.80,000	D	Rs.1,20,000				
Ansv	wer:							
26	The	hierarchy / organization chart for pr	roper l	nostel management should include				
	A)	Warden and Cleaners	B)	Warden and Cooks				
	C)	Warden, Cleaners, and Cooks	D)	Warden, Cleaners, Cooks, Porters and Linen Maids				
Ansv	wer:	HADI	M	DACV				
27	The	responsibilities of the hostel houseke	eeper v	would include				
Ξ	A)	Only cleaning	B)	Cleaning and staffing				
	C)	Cleaning and maintenance	D)	Cleaning, maintenance, staffing, budgetary control and security				
Ansv	wer:							
28		per you, which of these is the most ald require prior to planning an even		tant information an Event Manager				
	A)	Similar past events held by group	B)	Expected attendance				
	C)	Budget	D)	Group demographics				
Ansv	wer:							
29	In n	nost hostels, collection and delivery o	of laun	dry is usually done				
	A)	Daily	B)	Weekly				
	C)	Bi-weekly	D)	Monthly				
Ansv	wer:							
30	CPF	R in First-aid stands for						
	A)	Cardiopulmonary resuscitation	B)	Cardiobipulmonary resuscitation				
	C)	Cardiotripulmonary resuscitation	D)	Cardiosipulmonary resuscitation				
Anst	,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	1 1 7 9 22 22 22 22 22 22 22 22 22 22 22 22 2				

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
Ans	wer:			
			. 11	
32		injury caused by hot liquid or steam		
	A)	Burn	B)	Scald
./	C)	Asphyxia	D)	Abrasion
Ans	wer:			
33	Tho	torm "D Carice" in houseleasning is	1011011	y accordated with
33		term "R-Series" in housekeeping is t		•
	A)	Cleaning Agents	B)	Cleaning Equipments
A	C)	Cleaning Methods	D)	Cleaning Procedures
Ans	wer:			
34	The	movement, an initiative of	f Food	I Safaty and Standards Authority of
34	Indi	a (FSSAI) with the tagline l system in order to ensure safe, healt	, is	aimed at transforming the country's
	A)	Eat Right India, Sahi Bhojan Behtar Jeevan	В)	Drink Right India, Sahi Poshan Behtar Jeevan
	C)	Eat and Drink Right India, Sahi Bhojan aur Poshan Behtar Jeevan	D)	Think Wise India, Sahi Chunav Behtar Jeevan
Ans	wer:			
35	Whi	ch of these is example of fire safety e	quipn	nents?
		Fire extinguishers, hose reels		
	C)	Nozzles and hose pipes	D)	All of these
Ans	wer:			
36		term refers to the s ipment, and other items held for futu		of purchased operating supplies, e.
	A)	Storing	B)	Inventory
	C)	Replenishment	D)	None of these
Ans	wer:			

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	В)	Blanket-order purchasing			
	C)	Total-supply purchasing	D)	Petty-cash system purchasing			
Amar	,	Total-supply purchasing	D)	retty-cash system purchasing			
Ansv	ver.						
20	Clas	outinguishous and used for	alastrica	1 finas			
38		ss extinguishers are used for					
	A)	A	B)	В			
۸	C)	D	D)	С			
Ansv	ver:						
20		1 d NIDED co. d D 1		1 11 11 11			
39		der the NIPER statutes, the Board (e(s) during a calendar year.	of Govern	nors shall ordinarily meet			
	A)	One	В)	Two			
	C)	Three	D)	Four			
Ansv							
7 11 13 v	vci.						
40	FSS	AI Basic Registration is required :	if the an	nual turnover of a canteen is below			
	Rs	d if the annual turnover of a canteen					
		nore than Rs lakh.					
	A)	5, 10	B)	12, 12			
	C)	10, 15	D)	15, 20			
Ansv	ver:						
41			ess of cro	ss-checking financial records with			
		rsical inventory and records.					
	A)	Auditing	B)	Costing			
	C)	Pricing	D)	Balancing			
Ansv	ver:						
42	The	e most serious environmental effec	t posed b	y hazardous wastes is			
	A)	Air pollution	B)	Contamination of groundwater			
	C)	Increased landfill sites	D)	All of these			
Ansv	ver:						
43		improves the efficiency of s	solid was	te management.			
	A)	Processing	B)	Collection			

	C)	Composting	D)	None of the above			
Answ	er:						
44	Cost of ingredients						
	X 100 =?						
	Tota	l food sales					
	A)	Cost of menu	B)	Average cost			
	C)	Potential food cost percentage	D)	Actual food cost percentage			
Answ	er:						
45	Wha	t is the transmission agent for Viruse	es and	Protozoa?			
	A)	Air	B)	Water			
	C)	Light	D)	All the above			
Answ	er:						
46	Wha	t <mark>do w</mark> e mean by the term "Risk" in I	Food I	Hygiene?			
	A)	The likelihood that a hazard will occur	B)	The process of spoilage			
_	C)	the danger on having spoiled food	D)	0			
				hazards			
Answ	er:						
47	What is the name of the small metal or plastic container with a lid, kept in the to for the collection of soiled sanitary towels?						
	A)	Sanitary bin	B)	Waste towel bin			
	C)	Soiled linen bin	D)	Sani-bin			
Answ	er:						
48	Whi	ch of the one responsible for vegetab	le spoi	ilage?			
	A)	Moulds or Fungus	B)	Fungus or Bacteria			
	C)	Moulds or Bacteria	D)	Virus			
Answ	er:						
49	Whi	ch of the following could survive trea	atmen	t with insecticide?			
	A)	Crawling insects	B)	Flying insects			
	C)	Cockroach eggs	D)	Cockroaches			
Answ	er:						

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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	

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

National Institute of Pharmaceutical Education and Research, Kolkata Answer Key

Written Test for the Selection of Public Relations Officer

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