Test Booklet Code: A



Tripura University

Suryamaninagar-799022, Tripura (W)

Name of the Examination

Written Test for the post of PHARMACIST

Name of the Candidate:
Registration No.
Roll No
Date of Birth (in figure):
(in word)
Signature of the Candidate
Date :

Signature of the Superintendent

Signature of the Invigilators

INSTRUCTIONS TO THE CANDIDATES

- This exam is of 120 minutes duration and the Test Booklet cum answer sheet contains 68 questions.
- These 68 questions are divided into four sections (A, B, C and D) as per the details given below: 2.
 - Section A consists of 50 (fifty) multiple-choice questions (four options with a single correct answer) (Question no. - 01 to 50). For each correct answer, the candidate will get 1 mark. No negative marking.
 - ii. Section B consists of 10 (Ten) questions (Question no. 51 to 60): Very Short Answer Type Questions (Answer in one word/one sentence) = 10 Questions (2 marks each)
 - iii. Section C consists of 05 (five) questions (Question no. 61 to 65) Short Answer Type Questions (Answer within 50 words) (3 marks each)
 - iv. Section D consists of 03 (Three) questions (Question no. 66 to 68) Descriptive Answer Type Questions (Answer within 100 words) (5 marks each)
- 3. Maximum marks are 100.
- Use a Blue/Black ballpoint Pen (as provided by the Centre) only for writing particulars on this page/marking answers on the Test Booklet cum Answer Sheet.
- Rough work is to be done in the space provided for this purpose in the Test Booklet only. No additional sheets would be provided.
- On completion of the exam, the candidate must hand over the Test Booklet cum Answer Sheet to the Invigilator before leaving the room/hall.
- The candidates should ensure that the Test Booklet cum Answer Sheet is not folded. Do not make any stray marks on it. Do not write your Roll No. anywhere else except in the specified space in the Test Booklet cum Answer Sheet. The use of white fluid for correction is NOT permissible on
- Each candidate must show on-demand his/her Admit Card to the Invigilator.
- No candidate, without special permission of the Centre Superintendent or Invigilator, would leave his/her seat.
- 10. Use of an Electronic/Manual Calculator or Smart watch or any other electronic gadget is strongly prohibited.
- 11. The candidates are governed by all Rules and Regulations of the examination with regard to their conduct in the Examination Room/Hall. All cases of unfair means will be dealt with as per Rules and Regulations of this examination.
- 12. No part of the Test Booklet cum Answer Sheet shall be detached under any circumstances.
- 13. The candidates will write the Correct Test Booklet Number and Code as given in the Test Booklet cum Answer Sheet in the Attendance Sheet.

Section - A

Note: This section contains 50 (fifty) multiple choice questions and carry one mark each. Choose the correct answer. (50 x 1 = 50) Please tick \square anyone in the box

1)	In a code language, "PAINTER" is written as "RETNPIA". How is "GARDEN" written?			
	a) NEDGAR		b) NEDGRA	
	c) NEDRGA		d) ENDGRA	
2)	Form a four-letter meaningful of the given word TELEPROM answer. If more than one four-l mark 'X' as the answer and if answer.	PTER. The etter word	e second last letter of the word we can be formed using the given let	vill be the tters then
	a) P		b) R	
	c) X		c) Y	
3)	A # B' means 'A is the brother & B' means 'A is the husband # G @ B & M @ I, then how is	of B'. 'A %	B' means 'A is the wife of B'.	
	a) Father's father		b) Father	
	c) Grandson		d) Son	
4)	Agasthyagama edge, which v following species?	vas seen in	the news, belongs to which o	one of the
	a) Snake		b) Kangaroo lizard	
	c) Wolf spider		d) Frog	

5)	Which space organization recedisintegration phenomenon?	ntly annou	nced 'DRACO Mission' to stu	dy satellite
	a) European Space Agency (E	SA)		
	b) Indian Space Research Org	anisation (I	SRO)	
	c) China National Space Adm	inistration ((CNSA)	
	d) Japan Aerospace Exploration	on Agency	(JAXA)	
6)	Deep Grace Ekka, who recently sports?	y announce	d her retirement, is associated	with which
	a) Hockey		b) Cricket	
	c) Football		d) Table Tennis	
7)	'Digital Detox' initiative, rec state?	ently seen	in the news, is associated w	vith which
	a) Kerala		b) Karnataka	
	c) Rajasthan		d) Maharashtra	
8)	Paise in a rupee but the revenue in the amount taxed.	is increase	d by 10% only. Find the decrea	ase percent
	a) 12		b) 14	
	c) 16		d) none of these	
9)	Which of the following is a nor	ı-renewable	e resource?	
	a) Solar Energy		b) Wind Energy	
	c) Coal		d) Biomass	

10)	Which is the correct order of ba Aniline, Ethylamine, Benzylamin	sicity fo	or the following compounds? A	mmonia,
	a) Ethylamine > Benzylamine >	Ammo	nia > Aniline	
	b) Benzylamine > Ethylamine >	Ammo	nia > Aniline	
	c) Aniline > Ammonia > Benzy			
	d) Ammonia > Aniline > Ethyla			
11)	Which type of compound underg	goes Car	nizzaro reaction?	
	a) Ketones without α-hydrogen			
	b) Aldehydes without α-hydroge	en		
	c) Aldehydes with α-hydrogen			
	d) Ketones with α-hydrogen			
12)	Both Impact and attrition is the p	orinciple	of:	
	a) Fluid energy mill	П	b) Disintegrator	
	c) Cutter mill		d) Ball mill	
13)	Antidot for Organophosphate po	isoning:		
	a) atropine		b) pralidoxime (2-PAM)	
	c) benzodiazepines		d) All	
14)	Which one is the following glumanagement of Type-2 diabetes			et for the
	a) Sodium glucose linked transpo	orter-2 (SGLT2)	
	b) Glucose transporter-1 (GLUT	1)		
	c) Sodium glucose linked transpo	orter-1 ((SGLT1)	
	d) Glucose transporter-2 (GLUT	2)		

15)	What is the main bioactive coproperties?	ompound	I in tea responsible for its an	tioxidant
	a) Catechins		b) Caffeine	
	c) Theophylline		d) Theobromine	
16)	Which type of trichomes is char	acteristic	of the Datura leaf?	
	a) Unicellular non-glandular		b) Bicellular glandular	
	c) Multicellular non-glandular		d) Stellate	
17)	Which is a natural source of the	glycosio	de salicin?	
	a) Willow bark		b) Aloe vera	
	c) Senna		d) Belladonna	
18)	The mechanism of action of sul which enzyme?	lfonamid	e antibiotics is based on the inhi	bition of
	a) Dihydrofolate reductase		b) DNA gyrase	
	c) Dihydropteroate synthase		d) RNA polymerase	
19)	What is the major role of cytocl	nrome P4	50 enzymes in drug metabolism?	
	a) Conjugation reactions		b) Oxidation reactions	
	c) Hydrolysis reactions		d) Reduction reactions	
20)	What is the role of the imidazoranitidine?	ole ring i	n histamine H2 receptor antago	nists like
	a) Blocks receptor activation			
	b) Enhances gastric acid secret	ion		
	c) Promotes histamine release			
	d) Stabilizes the receptor in its	active for	orm	
		200	W. Amort CT 575 (1	1 1

21)	Which of the following drug subunits?	s works	by binding to bacterial 30S 1	ribosomal
	a) Erythromycin		b) Tetracycline	
	c) Ciprofloxacin		d) Chloramphenicol	
22)	Which of the following drugs a	icts as a s	serotonin reuptake inhibitor?	
	a) Fluoxetine		b) Propranolol	
	c) Morphine		d) Metformin	
23)	In nucleophilic substitution rea	ictions, w	which factor favours an SN ₁ mecl	hanism?
	a) Strong nucleophile			
	b) Polar aprotic solvent			
	c) Highly substituted alkyl hali	ide		
	d) Low temperature			
24)	Which of the following is the i	ntermedi	iate in the nitration of benzene?	
	a) Nitronium ion		b) Nitrobenzene	
	c) Benzyl carbocation		d) Benzene diazonium ion	
25)	In the Kolbe-Schmitt reaction,	which p	roduct is formed?	
	a) Salicylic acid		b) Benzoic acid	
	c) Phenol		d) Acetylsalicylic acid	
26) In Atomic Absorption Spect characteristic wavelength for e		(AAS), which component gen specific detection?	erates the
	a) Hollow cathode lamp		b) Monochromator	
	c) Flame		d) Detector	

27)	In cyclic voltammetry, what do	es the pe	ak current depend on?	
	a) Scan rate		b) Solvent viscosity	
	c) Electrolyte concentration		d) All of the above	
			u l l l l l magazintion v	ritina?
28)	What is the English meaning of	term 'A	nte cibos' used in prescription w	riung:
	a) Before meals		b) Boiling water	
	c) Left ear		d) Twice a day	
29)	The antiarrhythmic drug Quinic	line is:		
,	a) (+) Stereoisomer of Quinine			
	b) (-) Stereoisomer of Quinine			\Box
	c) (+) Racemic mixture of Quir	nine		
	d) Noe of these			
				1
30)	In capsules, Rotofil is used for	filling		
	a) Powders		b) Pellets	
	c) Liquids		d) Corrosive liquids	
31)	Which of the following is not o	btained f	rom Papaver somniferum	
,	a) Morphine		b) Codine	
	c) Thebaine		d) Reserpine	
32)	According to Pauli exclusion orbital are	principl	le, spins of two electrons in	the same
	a) Parallel to one another			П
	b) perpendicular to one another			
	c) Opposite to one another			
	d) Supporting one another			$\overline{\Box}$

33)	Smallpox vaccine contains			
	a) Living virus vaccinia		b) Living culture of B. C. G.	
	c) Attenuated staphylococcus		d) Living virus hepatitis	
34)	Caffeine on oxidation with KCI	O ₃ /HCl	gives	
	a) Trimethyl alloxan and urea			
	b) Methyl alloxan and dimethyl	urea		
	c) Dimethyl alloxan and methyl	urea		
	e) None of these			
35)	Identify the correct molecule we organisms	hich con	trols the biosynthesis of proteins	s in living
	a) DNA		b) RNA	
	c) Purines		d) Pyrimidines	
36)	In the context of deficiency of particle and all Protein-Calorie Malnutrition by Protein-Calcium Malnutrition c) Protein-Calorie Marasmus	1	n humans, what Is the full form	of PCM?
36)	a) Protein-Calorie Malnutritionb) Protein-Calcium Malnutrition	1	n humans, what Is the full form	of PCM?
36)	 a) Protein-Calorie Malnutrition b) Protein-Calcium Malnutrition c) Protein-Calorie Marasmus d) Protein-Calcium Marasmus 	n n	in humans, what Is the full form	
	 a) Protein-Calorie Malnutrition b) Protein-Calcium Malnutrition c) Protein-Calorie Marasmus d) Protein-Calcium Marasmus One of the materials listed below 	n n		
	 a) Protein-Calorie Malnutrition b) Protein-Calcium Malnutrition c) Protein-Calorie Marasmus d) Protein-Calcium Marasmus One of the materials listed below Identify. 	n n	commonly used in film coating	
	 a) Protein-Calorie Malnutrition b) Protein-Calcium Malnutrition c) Protein-Calorie Marasmus d) Protein-Calcium Marasmus One of the materials listed below Identify. a) Hydroxy methyl cellulose c) Simple syrup 	n w is most	commonly used in film coating b) Acacia d) Beeswax	
37)	 a) Protein-Calorie Malnutrition b) Protein-Calcium Malnutrition c) Protein-Calorie Marasmus d) Protein-Calcium Marasmus One of the materials listed below Identify. a) Hydroxy methyl cellulose c) Simple syrup 	n w is most	commonly used in film coating b) Acacia d) Beeswax	

39)	The schedule in Drugs and	l Cosmetic a	nct that deals with the require manufacture of new drug is	ments and
			b) Schedule M	
	a) Schedule Oc) Schedule F		d) Schedule Y	
40)	Which one is an acid-resista	nnt penicillin	ase-resistant penicillin?	
	a) Flucloxacillin		b) Cloxacillin	
	c) Nafcillin		d) Methicillin	
41)	Which of the following eler	nents is most	abundant in Earth's crust?	
	a) Iron		b) Oxygen	
	c) Silicon		d) Aluminum	
42)	Which test is used to Staphylococcus epidermidis		between Staphylococcus au	reus and
	a) Coagulase test		b) Catalase test	
	c) Oxidase test		d) Voges-Proskauer test	
43)	What is the role of quorum	sensing in ba	cteria?	
	a) Enable motility			
	b) Regulate gene expression	in response	to population density	
	c) Induce sporulation			
	d) Enhance resistance to ant	ibiotics		
44)	Which phase of bacterial gro	owth is chara	cterized by the most rapid cell of	division?
	a) Lag phase		b) Log phase	
	c) Stationary phase		d) Death phase	

45)	which of the following is th	e correct	sequence of the Gram staining pro	cedure?
	a) Crystal violet → Iodine -	→ Decol	orizer → Safranin	
	b) Crystal violet → Safranin	→ Iodir	ne → Decolorizer	
	c) Iodine → Crystal violet –	→ Safrani	$in \rightarrow Decolorizer$	
	d) Decolorizer → Safranin -			
46)	Which reaction involves mi	gration o	of group from carbon to nitrogen?	
	a) Baeyer – Villiger rearran	gements		
	b) Pinacole-Pinacolone rear	rangeme	nts	
	c) Beckmann rearrangemen	ats		
	d) Benzillic acid rearranger	nents		
47)) Dose dumping is a problem	in the fo	ormation of	
	a) Compressed tablets		b) Suppositories	
	c) Soft gelatin capsules		d) Controlled release drug produc	ets
48	Phloroglucinol and Hydroc	chloric ac	eid produces pink or red color with	
	a) Cellulose cell walls		b) Lignifies cell walls	
	c) Cutinized cell walls		d) mucilaginous cell walls	
49	9) Which of the following is	an obliga	te intracellular parasite?	
	a) Rickettsia		b) Streptococcus	
	c) Lactobacillus		d) Bacillus	
5	0) Which of the following is	a spore-f	forming bacterium?	
3	a) Bacillus subtilis		b) Escherichia coli	
	c) Salmonella typhi		d) Vibrio cholerae	
	c) Samonona typin		5	

For the post of Pharmacist Answers of MCQ Questions

- (1) Ans: a)
- (2) Ans: b)
- (3) Ans: d)
- (4) Ans: b)
- (5) Ans: a)
- (6) Ans: a)
- (7) Ans: b)
- (8) Ans: a)
- (9) Ans: C)
- (10) Ans: a)
- (11) Ans: b)
- (12) Ans: d)
- (13) Ans: d
- (14) Ans: A
- (15) Ans: a)
- (16) Ans: b)
- (17) Ans: a)
- (18) Ans: c)
- (19) Ans: b)
- (20) Ans: a)
- (21) Ans: b)
- (22) Ans: a)
- (23) Ans: c)
- (24) Ans: a)
- (25) Ans: a)
- (26) Ans: a)
- (20)
- (27) Ans: d)
- (28) Ans: a)
- (29) Ans: a)
- (30) Ans: b)
- (31) Ans: d)
- (32) Ans: c)

- (33) Ans: a)
- (34) Ans: c)
- (35) Ans: a)
- (36) Ans: a)
- (37) Ans: a)
- (38) Ans. d)
- (39) Ans. d)
- (40) Ans: d)
- (41) Ans: b)
- (42) Ans: a)
- (43) Ans: b)
- (44) Ans: b)
- (45) Ans: a)
- (46) Ans. c)
- (47) Ans: d)
- (48) Ans: b)
- (49) Ans: a)
- (50) Ans: a)