

Pharma Exam Interview Questions And Answers Guide.



Global Guideline.

<https://globalguideline.com/>



Pharma Exam Job Interview Preparation Guide.

Question # 1

What type of chemotherapeutic agents inhibit bacterial cell wall synthesis?

Answer:-

Penicillin
Cephalosporins
Vancomycin
Bacitracin
Cycloserine

[Read More Answers.](#)

Question # 2

What is a chemical selective destruction of invading organisms?

Answer:-

Chemotherapy

[Read More Answers.](#)

Question # 3

What condition must be considered when prescribing sulfonamides and chloramphenicol?

Answer:-

Glucose-6-Phosphate Dehydrogenase Deficiency (May produce Hemolysis)

[Read More Answers.](#)

Question # 4

What drug inhibits the first stage of the cell wall synthesis? (Production of Cell Wall Building Blocks)?

Answer:-

Cycloserine

[Read More Answers.](#)

Question # 5

Which types of bacteria are targeted by Trimethoprim?

Answer:-

Both Gram - and Gram +
Its Broad Spectrum

[Read More Answers.](#)

Question # 6

Why are long-acting sulfonamides not available in the US any longer?

Answer:-

Due to the high incidence of Stevens-Johnson syndrome

[Read More Answers.](#)

Question # 7

What drug(s) inhibit the third stage of the cell wall synthesis? (Cross linking of the cell wall)?

Answer:-

Penicillin and Cephalosporin



[Read More Answers.](#)

Question # 8

What types of antibacterial agents affect the function of bacterial ribosomes to inhibit protein synthesis, and are bacteriostatic?

Answer:-

Chloramphenicol
Tetracyclines

[Read More Answers.](#)

Question # 9

What type of chemotherapeutic agents act directly on the cell membrane?

Answer:-

Polyene Antifungal Agents:
Nystatin
Amphotericin B

[Read More Answers.](#)

Question # 10

When is a microorganism said to be resistant?

Answer:-

When the concentration of the drug required to weaken or kill the microorganism is greater than can be tolerated by the host.

[Read More Answers.](#)

Question # 11

What must be absent with the use of trimethoprim in order to make it bacteriocidal?

Answer:-

Thymine

[Read More Answers.](#)

Question # 12

What types of chemotherapeutic agents affect nucleic acid metabolism?

Answer:-

Rifampin (DNA dependent RNA polymerase)
Fluoroquinolones - Ciprofloxacin

[Read More Answers.](#)

Question # 13

What types of antibacterial agents affect the function of bacterial ribosomes to inhibit protein synthesis, and are bacteriocidal?

Answer:-

Streptomycin

[Read More Answers.](#)

Question # 14

What drug was discovered in 1936 and began the modern era of chemotherapy?

Answer:-

Sulfanilamide

[Read More Answers.](#)

Question # 15

What generally happens when you combine 1 bacteriocidal and 1 bacteriostatic agent?

Answer:-

Generally results in antagonism

[Read More Answers.](#)

Question # 16

What type of resistance occurs in the absence of selective pressure?

Answer:-

De Novo (Intrinsic) Resistance

[Read More Answers.](#)

Question # 17



Where are sulfonamides absorbed?

Answer:-

Gut

[Read More Answers.](#)

Question # 18

How do sulfonamides not interfere with host metabolism?

Answer:-

Mammalian cells use preformed folic acid.

[Read More Answers.](#)

Question # 19

What types of bacteria do sulfonamides target?

Answer:-

Broad-Spectrum - Gram + and Gram -

[Read More Answers.](#)

Question # 20

What sulfonamide is used routinely for urinary tract infection?

Answer:-

Sulfisoxazole

[Read More Answers.](#)

Question # 21

Should you use sulfonamides on a patient with 6-glucose phosphate dehydrogenase deficiency?

Answer:-

No, it could produce acute hemolytic anemia

[Read More Answers.](#)

Question # 22

Is oral use of Penicillin G indicated?

Answer:-

Not, it is inactivated at low pH

[Read More Answers.](#)

Question # 23

What is the standard reference of Penicillin?

Answer:-

Penicillin G

[Read More Answers.](#)

Question # 24

What are three mechanisms of resistance to Penicillin?

Answer:-

Lack of accessibility to target (Gram Negative)

Production of Penicillinases (Beta-Lactamase)

Alterations in Penicillin Binding Proteins

[Read More Answers.](#)

Question # 25

What does Cell Death require?

Answer:-

Action of Autolysin

[Read More Answers.](#)

Question # 26

What generally happens when you add two bacteriocidal agents?

Answer:-

Generally results in a synergistic effect.

[Read More Answers.](#)

**Question # 27**

Which drug inhibits dihydrofolate reductase and prevents the transformation of dihydrofolate to tetrahydrofolate?

Answer:-

Trimethoprim

[Read More Answers.](#)

Question # 28

What are sulfonamides often used in combination with?

Answer:-

Trimethoprim

[Read More Answers.](#)

Question # 29

What is the mechanism of action of sulfonamides?

Answer:-

They are structural analogs and competitive antagonists of PABA (Para-Aminobenzoic Acid)

[Read More Answers.](#)

Question # 30

Which type of bacteria is most affected by penicillins?

Answer:-

Gram +

[Read More Answers.](#)

Question # 31

Which chemotherapeutic agents are inhibitors of cell wall synthesis?

Answer:-

Penicillin

Cephalosporin

Vancomycin

Bacitracin

Cycloserine

[Read More Answers.](#)

Question # 32

Which type of Pen G is used for the treatment of gonorrhoea?

Answer:-

Procaine Pen G

[Read More Answers.](#)

Question # 33

What generally happens when you combine two bacteriostatic agents?

Answer:-

Produce an Additive effect

[Read More Answers.](#)

Question # 34

What antibiotic produces hearing loss in newborn when taken during pregnancy?

Answer:-

Streptomycin

[Read More Answers.](#)

Question # 35

How is resistance to sulfonamides presented?

Answer:-

Increased synthesis of PABA

Alterations in enzyme that utilizes PABA

Increased capacity to destroy or inactivate the drug

Development of an alternative metabolic pathway for synthesis of essential metabolites

[Read More Answers.](#)

Question # 36



What was the first effective chemotherapeutic agent employed systemically?

Answer:-

Sulfonamides

[Read More Answers.](#)

Question # 37

What log cell kill is required to cure microbial infections?

Answer:-

2 (99% of population is killed)

[Read More Answers.](#)

Question # 38

Which type of penicillin is acid stable?

Answer:-

Penicillin V

[Read More Answers.](#)

Question # 39

How are chemotherapeutic agents classified?

Answer:-

According to their Mechanism of Action

[Read More Answers.](#)

Question # 40

What type of chemotherapy stems from the concept that substances derived from one living thing may serve to kill other living things?

Answer:-

Antibiotic Chemotherapy

[Read More Answers.](#)

Question # 41

What is the ratio of toxic dose:effective dose?

Answer:-

Therapeutic Index

[Read More Answers.](#)

Question # 42

What chemotherapeutic agent can be either bacteriocidal or bacteriostatic depending on the environment?

Answer:-

Sulfonamides

[Read More Answers.](#)

Question # 43

What are six mechanisms of resistance from chemotherapeutic agents?

Answer:-

- 1) Absence of Target (Ergosterol's absent)
- 2) Alterations in Target (Pen. Binding Protein Alterations)
- 3) Low concentration at target (Interference with membrane passage)
- 4) Lack of metabolic activation (Antifungal Flucytosine -> Fluorouracil)
- 5) Inactivation (Penicillinases)
- 6) Escape from Effect (Alternate Metabolic Pathways)

[Read More Answers.](#)

Question # 44

What is the mechanism of Trimethoprim?

Answer:-

It is a selective inhibitor of Dihydrofolate reductase

[Read More Answers.](#)

Question # 45

Which type of Pen G is used for syphilis and rheumatic fever prophylaxis?

Answer:-



Benzathine Pen G

[Read More Answers.](#)

Question # 46

About what percent of penicillin is protein bound?

Answer:-

33-50%

[Read More Answers.](#)

Question # 47

What drug(s) inhibit the second stage of the cell wall synthesis? (Precursor transported from inside cell membrane to outside)

Answer:-

Vancomycin and Bacitracin

[Read More Answers.](#)

Global Guideline - COM

Medical Most Popular Interview Topics.

- 1 : [Microbiology Frequently Asked Interview Questions and Answers Guide.](#)
- 2 : [Biotechnology Frequently Asked Interview Questions and Answers Guide.](#)
- 3 : [Immunology Frequently Asked Interview Questions and Answers Guide.](#)
- 4 : [Pharmaceutical Frequently Asked Interview Questions and Answers Guide.](#)
- 5 : [Bio Chemistry Frequently Asked Interview Questions and Answers Guide.](#)
- 6 : [Pathology Frequently Asked Interview Questions and Answers Guide.](#)
- 7 : [Pharmacy Frequently Asked Interview Questions and Answers Guide.](#)
- 8 : [Cell Biology Frequently Asked Interview Questions and Answers Guide.](#)
- 9 : [Lab Technicians Frequently Asked Interview Questions and Answers Guide.](#)
- 10 : [Nursing Frequently Asked Interview Questions and Answers Guide.](#)

About Global Guideline.

Global Guideline is a platform to develop your own skills with thousands of job interview questions and web tutorials for fresher's and experienced candidates. These interview questions and web tutorials will help you strengthen your technical skills, prepare for the interviews and quickly revise the concepts. Global Guideline invite you to unlock your potentials with thousands of [Interview Questions with Answers](#) and much more. Learn the most common technologies at Global Guideline. We will help you to explore the resources of the World Wide Web and develop your own skills from the basics to the advanced. Here you will learn anything quite easily and you will really enjoy while learning. Global Guideline will help you to become a professional and Expert, well prepared for the future.

* This PDF was generated from <https://GlobalGuideline.com> at **November 29th, 2023**

* If any answer or question is incorrect or inappropriate or you have correct answer or you found any problem in this document then don't hesitate feel free and [e-mail us](#) we will fix it.

You can follow us on FaceBook for latest Jobs, Updates and other interviews material.
www.facebook.com/InterviewQuestionsAnswers

Follow us on Twitter for latest Jobs and interview preparation guides
<https://twitter.com/InterviewGuide>

Best Of Luck.

Global Guideline Team
<https://GlobalGuideline.com>
Info@globalguideline.com