

Q1 – Q5:

- Match toxicity spectrum from column (I) with its respected meaning from column (II).
- Transfer your selection match for each question properly to the answer sheet.

(I)	(II)	
1-Idiosyncratic	A-Sensitization reaction.	
2-Allergic	B-Usually after exposure phase.	
3-Delayed	C-Usually at site of first contact.	
4-Irreversible	D-Based on tissue ability to regenerate.	
5-Local	E-Genetically dependent.	
6-Toxicity testing for a substance is performed for:		
A-Risk assessment study.		
B-Determine the spectrum of toxicity of such substance.		
C-Determine therapeutic regimen.		
D-Both A&B.	E-None of the above.	
7-Acute toxicity study include:		
A-Clinical chemistry study.	B-Median lethal dose.	
C-Teratogenicity study.		
D-All of the above.	E-None of the above.	
8-Special toxicity testing may include:		
A-Fertility and reproductive toxicity.		
B-Perinatal and postnatal toxicity.		
C-Mutagenic potentials.		
D-All of the above.	E-None of the above.	
9-A threshold dose could be determined for:		
A-Teratogens.	B-Carcinogen.	C-Mutagen.
D-All of the above.	E-None of the above.	
10-Mechanisms of tissue injury may include:		
A-Lipid peroxidation.		
B-Covalent binding to tissue macromolecules.		
C-Stimulation of residential macrophages.		
D-Alteration of calcium ion homeostasis.		
E-All of the above.		
11-Hepatotoxicity could be:		
A-Centrilobular damage.	B-Massive damage.	
C-Focal damage.	D-Periportal damage.	
E-All of the above.		

Q12 – Q16:

- Match hepatotoxicant from column (I) with its most potential toxicity from column (II).
- Transfer your selection match for each question properly to the answer sheet.

(I)	(II)
12-Chronic alcohol	A-Steatosis.
13-Anabolic steroids	B-periportal necrosis.
14-Allyl alcohol	C- Cholestasis.
15-Furosemide	D-Cirrhosis.
16-Corticosteroids	E-Midzonal damage.

Q17 – Q21:

- Match toxicant from column (I) with its most potential toxic response from column (II).
- Transfer your selection match for each question properly to the answer sheet.

(I)	(II)
17-Ethylene glycol	A-Pulmonary edema; bronchitis; emphysema.
18-Radiocontrast substance	B-Pneumoconiosis.
19-Paraquat	C-Obstructive uropathies.
20-Asbestos	D-Kidney tubular necrosis.
21-Sulfur oxides	E-None of the above.

Q22 – Q25:

- Match teratogen from column (I) with its most potential teratogenic effect from column (II).
- Transfer your selection match for each question properly to the answer sheet.

(I)	(II)
22-Progestins	A-Developmental delay; microcephaly; small eyelid folds.
23-Thalidomide	B-Chromosomal aberrations.
24-Ethanol	C-Ataxia, chorea.
25-LSD-derivatives	D-Phocomelia; low set ears.
	E-Muscularization of female fetus.

26- Which of the following statements concerning chronic poisoning is correct?

- A- They are caused by one large dose.
- B- Developed after repeated exposure to small dose.
- C- Symptoms emerge gradually.
- D- B and C are correct.

27- Accidental poisoning may happen when:

- A-Young children mistake poison for food or drink.
- B- Persons who misuse chemical product.
- C- Individuals try to kill themselves, by exposed to carbon monoxide.
- D- All the above.
- E- A & B are correct.

28- Do not induce vomiting if:

- A- The poison is hydrocarbon.
- B- The patient is comatose.
- C- The patient has severe cardiovascular disease.
- D- All the above.

- 40- Overdose of paracetamol may produce severe liver injury with hepatocellular necrosis. The important mechanisms of cell injury is / are:
 A-Metabolic activation of paracetamol to reactive metabolite.
 B-Glutathione depletion. C-Both A& B.
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- 41- Patient with mild salicylate intoxication frequently have all the following symptoms EXCEPT:
 A- Vomiting C-Seizures and coma.
 B- Hyperventilation (moderate hyperpnea) E-None of the above.
 D-Tinnitus.
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- 42- Fluid resuscitation and serum alkalization will increase Salicylate elimination. Hemodialysis can also accomplish this. Indication for hemodialysis include:
 A-Salicylate levels are greater than 160 mg/dl. C-Renal failure.
 B-Pulmonary edema. E-None of the above.
 D-All the above.
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- 43- Airway may be obstructed in some cases of poisoning, it caused by:
 A-Falling back of tongue. B-Aspiration of poison.
 C-Increased secretion and edema of airways. D-All of the above.
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- 44- We use to quickly induce vomiting (1-2 minutes):
 A-Apomorphine. B-Syrup of ipecac. C-Both A&B.
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- 45- High therapeutic dose of salicylate intoxication leading to:
 A-Tachypnea and respiratory alkalosis. C-Both A and B.
 B-Decreased plasma CO_2 ($\downarrow \text{pCO}_2$).
 D-Increased plasma CO_2 ($\uparrow \text{pCO}_2$).
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- 46- Regarding acetaminophen (paracetamol) toxicity, which of the following is True?
 A-The risk factors for toxicity include alcoholism.
 B-The liver damage results from paracetamol itself.
 C-The liver damage results from its conjugated metabolite (glucuronide, sulphate).
 D-Liver damage result from its toxic metabolite N-acetyl-p-benzoquinoneimine.
 E-A&D are correct.
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- 47- Peritoneal dialysis is more applicable for acute ingestion of toxic substance in children because of:
 A-Their large peritoneal surface area in relation to body size.
 B-A child's abdominal wall is much easier to penetrate than trying to isolate an appropriate vein in a small arm.
 C-Both A and B.
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- Q 48 – Q 50:
 - Indicate whether the following statements are true (A) or false (B)
- 48- Toxin is a toxic agent that are produced or a byproduct of anthropogenic activities
 A- True B- False
- 49- Ideal suicidal poisoning should be easily obtained, painless and rapid in action
 A- True B- False
- 50- Deficiency of glucose-6-phosphate dehydrogenase enzyme leads to hemolytic anemia with the intake of fava beans.
 A- True B- False
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Q 51-Q 58:

- Match toxic agent from column (I) with its potential toxic effect from column(II).
- Transfer your selected match for each question properly to the answer sheet.

(I)	(II)
51-Acute trichlorfon	A-Alopecia.
52-Acute thallium	B-Liver cirrhosis.
53-Chronic lead	C-Muscle fatigue, weakness and paralysis.
54-Chronic arsenic	D-Nephrotoxicity.
55-Acute methiocarb	E-None of the above.
56-Acute DDT	
57-Chronic mercuric chloride	
58- Acute iron	

59-BAL:

- A-Is contraindicated in iron toxicity because it forms insoluble complex with iron.
- B-Protect sulphydryl group of enzymes from inactivation.
- C-Is used in treatment of alkyl mercury toxicity.
- D-Both A & B.
- E-None of the above.

60-Inhalation of large amounts of CO results in:

- A-Cardiac and respiratory depression.
- B-Encephalopathy.
- C-Muscular weakness and flaccidity of the legs.
- D-Polyneuritis.
- E-Headache, nausea, vomiting and blurred vision.

61-Suicidal toxicity is common by cyanide due to:

- A-Its symptoms do not appear immediately after ingestion.
- B-It is easily obtained.
- C-It is tasteless and odorless.
- D-It causes severe abdominal pain.
- E-Its rapid action.

62-Lead encephalopathy is characterized by:

- A-Restlessness, irritability, convulsions and coma.
- B-Hemorrhage and necrosis of brain tissue.
- C-Wrist and foot drop and muscular weakness.
- D-Both A & B.
- E-All of the above.

63-Pralidoxime must be given within 24 hrs. after exposure to parathion toxicity due to:

- A-Aging of AchE.
- B-Additional chemical changes occur after phosphorylation of enzyme strengthen the phosphorylated complex.
- C-The enzyme complex is resistant to reactivation within minutes to hours.
- D-Both A & C.
- E-All of the above.

64-In treatment of TEPP toxicity, full atropinization is achieved and detected by:

- A-Flushing of face.
- B-Dry mouth and dilated pupil.
- C-Increased salivation and bronchial secretions.
- D-Both A & B.
- E-All of the above.

65-In treatment of severe cyanide toxicity, establish adequate airway is/are achieved by:

- A-Administer high concentration oxygen.
- B-Suction of bronchial secretions.
- C-Insert an endotracheal tube.
- D-Both A & C.
- E-All of the above.

66-In iron toxicity, death results from:

- A-Hypovolemic shock secondary to bleeding as a result of local corrosive action.
- B-Severe pulmonary edema.
- C-Respiratory failure.
- D-Cardiovascular failure.
- E-Both A & D.

67-Histotoxic anoxia in cyanide toxicity is due to:

- A-Binding of cyanide to the iron component of nitrate reductase enzyme.
- B-Paralysis of aerobic metabolism.
- C-Reduced cellular utilization of oxygen.
- D-Both B & C.
- E-All of the above.

68-The half-life of high level of carboxyhemoglobin is greatly reduced by using:

- A-100% oxygen.
- B-Hyperbaric oxygen.
- C-Mouth to mouth resuscitation.
- D-Both A & B.
- E-All of the above.

69-The sources of cadmium poisoning include all the followings EXCEPT:

- A-Released during mining of lead and zinc.
- B-Cigarette smoking.
- C-Electroplating.
- D-Contaminated food and water.
- E-None of the above.

Q 70- Q75:

-Match toxic agent from column (I) with antidote used for its treatment from column (II).

-Transfer your selected match for each question properly to the answer sheet.

(I)	(II)
70-Carbryl	A-Ca Na ₂ EDTA.
71-Warfarin	B-Atropine & pralidoxime.
72-Lead	C-Methylene blue.
73-OPIDN	D-Phytonadione.
74-Cyanide	E-None of the above.
75-Elemental mercury	