**1- Taenia solium can enter the human body through eating infected:**

A: Pork

B: Beef

C: Chicken

D: Fish

**2- Niclosamide acts through:**

A: Attacking the cell membrane

B: inhibiting oxidative phosphorylation or stimulating ATPase activity

C: Attacking DNA

D: An unknown mechanism

**3- Niclosamide can cause the following side effect(s):**

A: Skin side effects

B: Anemia

C: Vision side effects

D: GIT side effects

**4- Cyclosporine inhibits the production of:**

A: IL-1

B: IL-2

C: IL-4

D: IL-6

**5- The drug that binds to cyclophilin is:**

A: Cyclosporine

B: Tacrolimus

C: Sirolimus

D: Prednisolone

**6- In comparison between tacrolimus and cyclosporine:**

A: Tacrolimus is less potent than cyclosporine

B: Tacrolimus treatment has more episodes of transplant rejection compared with cyclosporine treatment

C: Tacrolimus has more cardiac toxicities compared with cyclosporine

D: Tacrolimus is more nephrotoxic and neurotoxic than cyclosporine

**7- The enzyme mTOR is involved in the mechanism of action of:**

A: Cyclosporine

B: Tacrolimus

C: Sirolimus

D: Prednisolone

**8- All the following sentences regarding the action of corticosteroids (glucocorticoids) are correct except:**

A: The corticosteroid- corticosteroid receptor complex translocates into the nucleus and interacts with DNA.

B: Corticosteroids decrease the production of prostaglandins.

C: Corticosteroids suppress T-cell helper function.

D: Annexin-1 is not involved in the mechanism of action of corticosteroids.

**9- All the following sentences regarding the pharmacokinetics and side effects of corticosteroids (glucocorticoids) are correct except:**

A: Generally, corticosteroids are metabolized in the liver.

B: Some corticosteroids are bioactivated after administration into active metabolites.

C: Hypoglycemia is not one of the side effects of corticosteroids.

D: Osteoporosis is not one of the side effects of corticosteroids.

**10- Cyclophosphamide is metabolized into phosphoramide mustard, which in turn attacks the:**

A: RNA

B: DNA

C: Cell membrane

D: Ribosomes

**11- All the following sentences regarding azathioprine are correct except:**

A: It stimulates de novo synthesis of purines.

B: It is a pro-drug.

C: It can cause hepatotoxicity.

D: It has a drug-drug interaction with allopurinol.

**12- Inhibition of dihydroorotate dehydrogenase is involved in the mechanism of action of:**

A: Mycophenolate Mofetil

B: Leflunomide

C: Azathioprine

D: Methotrexate

**13- Inhibition of inosine monophosphate dehydrogenase is involved in the mechanism of action of:**

A: Mycophenolate Mofetil

B: Leflunomide

C: Azathioprine

D: Methotrexate

**14- All the following sentences regarding methotrexate are correct except:**

A: It can be used in the treatment of cancer.

B: It acts by attacking the cell membrane.

C: It can be taken orally or administered by injection.

D: It is teratogenic.

**15- All the following sentences regarding interferons are correct except:**

A: IFN- α and IFN-β act as inhibitors of cellular proliferation.

B: Interferones can be used to treat certain forms of cancer.

C: interferones can be used in the termination of pregnancy.

D: Interferones can be used in the treatment of autoimmune diseases.