



**Epidemiology exam
For 4th year nursing students**

I- Short questions:

1. Regarding typhoid, give the following; reservoir, portal of exit, modes of transmission, portal of entry, and susceptibility (10 marks)
2. Mention compulsory vaccination of early childhood (≤ 18 months), regarding age of vaccination and route of administration (10 marks)
3. An attack of infectious disease as well as administration of vaccine can give various degrees of immunity; explain with examples (10 marks)
4. Compare between HAV and HBV as regard exit, modes of transmission, chronic infection and prevention (10 marks)
5. Define: (10 marks)
 - a- Carrier
 - b- Portal of entry
 - c- Epidemic
 - d- Congenital infection
 - e- Sporadic cases

II-Multiple choice questions

(10 marks)

- 1- Reservoir of poliomyelitis is
 - a. Case only
 - b. Carrier only
 - c. Case and carrier
 - d. None of the above
- 2- Epidemiological cycle includes
 - a. Reservoir
 - b. Mode of transmission
 - c. Exposed host
 - d. All of the above

- 3- Carriers are important than case because all of the following **except**
- a. Move freely
 - b. Not well diagnosed
 - c. small in numbers
 - d. Not known to others.
- 4- OPV vaccine is
- a. A bacterial vaccine
 - b. Live attenuated vaccine
 - c. Given by intra-muscular injection
 - d. Given to pregnant
- 5- Food-borne infection can be transmitted by the following
- a. Feco-oral
 - b. Contaminated water
 - c. Contaminated foods
 - d. All of the above
- 6- Reservoir of infection could be
- a. Case
 - b. Carrier
 - c. Soil
 - d. All of the above
- 7- Tetanus Toxoid is
- a. Live vaccine
 - b. Live attenuated vaccine
 - c. Killed vaccine
 - d. Bacterial product vaccine
- 8- All of the following infections can find exit in blood **except**
- a. HIV
 - b. CMV
 - c. Viral Hepatitis B & C
 - d. TB
- 9- Prevention of HCV includes
- a. Pre-exposure immunization
 - b. Post-exposure immunization
 - c. Both
 - d. No vaccine
- 10- Transmission of polio infection is by
- a. Food-borne
 - b. Droplet
 - c. All of the above
 - d. None of the above

III-Cross match questions

(10 marks)

A- Exit	Organism
1- Respiratory	a. Typhoid
2- Saliva	b. Influenza
3- Skin	c. Rabies
4- Genital secretions	d. Chicken pox
5- Feces	e. Sexual transmitted diseases

B- Type of vaccines	Organism
1- A virulent bacterial vaccine	a. Pertussis
2- Live viral vaccine	b. MMR
3- Killed bacterial vaccine	c. Salk vaccine
4- A virulent viral vaccine	d. BCG
5- Killed viral vaccine	e. Small pox

IV-Put true (✓) or false (×) in front of each sentences

(10 marks)

- 1- Outbreak is epidemic affect more than one country
- 2- Immunity is acquired only from infections which only develop symptoms
- 3- Skin is considered as one of the entries of organisms
- 4- Urine can be portal of exit in food borne infections
- 5- Human reservoir of infection is only in form of case
- 6- In-utero infection is a form of vertical mode of transmission
- 7- Oral route is one of the active immunization methods
- 8- Administration of MMR vaccine give lifelong immunity
- 9- Carrier play a little role in infectious diseases transmission
- 10- Infection of the individual by any infectious agent must lead to develop symptoms and signs

Good Luck