

# PATHOLOGY



Test bank Final



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1) Which of the following is an oncofetal protein:

- a- CEA
- b- PSA
- c- GF beta
- d- MYC
- e- RAS

Answer: A

2) A normal fibroblast can divide up to 70 times. In a fibrosarcoma, fibrous cells can divide after the 80<sup>th</sup> division. The gene that is activated to acquire this ability is normally expressed in:

- a- Mature fibroblasts
- b- Labile tissue
- c- Embryonal cells
- d- Quiescent tissue
- e- Cells in the M phase of cell cycle

Answer: C

3) Which of the following is caused by an enlarged prostate:

- a- Atrophy
- b- Hyperplasia
- c- Hypertrophy
- d- Metaplasia
- e- There is no correct answer

Answer: B

4) Which of the following chemical agents can cause cancer without metabolic conversion:

- a- Aflatoxin B
- b- Polycyclic hydrocarbons
- c- Chemotherapy drugs
- d- Aromatic amines
- e- Nitrites

Answer: C

- 5) Which of the following cells doesn't play a role in immunosurveillance :
- a- Plasma cell
  - b- M1 macrophage
  - c- Natural killer cells
  - d- Cytotoxic T lymphocyte
  - e- T helper lymphocyte
- Answer: A

- 6) Cerebral infarction is characterized by :
- a- Coagulative necrosis
  - b- Caseous necrosis
  - c- Liquefactive necrosis
  - d- Fibroid necrosis
  - e- Fat necrosis
- Answer:C

- 7) Karyorrhexis means :
- a- Fragmentation
  - b- Shrinkage and increased basophilia
  - c- Basophilia fades
  - d- More myelin figures
  - e- Non of the above
- Answer: A

- 8) Adaptive mechanism affect the prostate:
- a- Atrophy
  - b- Metaplasia
  - c- Physiologic Hyperplasia
  - d- Hypertrophy
  - e- Pathologic hyperplasia
- Answer: E

- 9) A surgeon noticed during lung surgery a black lymph nodes , what is the problem:
- a- Anthracosis
  - b- Hemochromatosis
  - c- Dystrophic calcification
  - d- Metastatic calcification

Answer: A

10) A 48 year old woman goes to her physician for a routine physical examination . A 4 cm diameter non tender mass is palpated in her right breast. The mass appears fixed to the chest wall.another 2 cm non tender mass is palpable in the left axilla. Which of the following classification best indicates the stage of her disease:

- A- T1 N1 M0
- B- T1 N0 M1
- C- T2 N1 M0
- D- T3 N0 M0
- E- T4 N1 M1

Answer: E

11) Cancer induced by papilloma virus 16 and 18:

- a- T cell lymphoma
- b- Squamous cell carcinoma of the cervix
- c- Gastric carcinoma
- d- Burkitt lymphoma
- e- Hodgkin lymphoma

Answer: B

12) Jordan has high rates of colonal cancer, which of the following would be the best to avoid it :

- a- Screening for dysplasia

13) This gene is mutated in xeroderma pigmentation:

- a- Nucleotide excision repair gene
- b- P53 degradation
- c- BRCA 1

Answer: A

14) Which of the following is not a result of protein accumulation:

- a- Alcoholic hyaline in liver
- b- Russell bodies in plasma cells
- c- Neurofibrillary tangles in neurons
- d- Atherosclerosis

Answer: D

- 15) Which one of these is least likely to be mutated in a woman with sporadic breast cancer :  
a- BRCA
- 16) A toxin present in cigarette smoke and can cause lung cancer :  
a- Beta naphthalamine  
b- Benzo pyrene  
c- Nitrites  
d- Aflatoxin B  
Answer: B
- 17) Most important prognostic stage is :  
a- Presence of metastasis
- 18) Brown atrophy caused by :  
a- Lipofuscin
- 19) Breast cancer mass , the mass removed and sent to histopathologist what is the most indicator for malignancy :  
a- Atypical mitosis
- 20) True about miRNA :  
a- If it's increased for RB will result in cancer
- 21) Inhibition of all of the following help the cancer to evade apoptosis , except :  
a- IAP  
b- Bax  
c- Caspase  
Answer: A
- 22) All of the following can keep the cell in G1 phase , except:  
a- P53  
b- RB  
c- CDKI  
d- Cyclin D  
e- E2F inhibition  
Answer: D

- 23) Which of the following get effected by low blood perfusion with the least damage :
- a- Cerebral cortex
  - b- Cerebral spin
  - c- Skeletal muscle
  - d- Cardiac muscle
  - e- Myocardium
- Answer : C

- 24) False about metastasis :
- a- It is local invasion of the tumor

- 25) One of the following doesn't cleave free radicals
- a- Myloperoxidase
  - b- Vitamin A, E
  - c- Catalase
  - d- Superoxide dismutase
- Answer : A

- 26) Accumulation of misfolded proteins inside the cell activate :
- a – caspases

- 27) 48-year-old woman has malignant lymphoma involving lymph nodes in the para-aortic region. She is treated with a chemotherapeutic agent which results in loss of neoplastic cells through fragmentation of individual cell nuclei and cytoplasm. Over the next 2 months, the lymphoma decreases in size, as documented on abdominal CT scans. By which of the following mechanisms has her neoplasm primarily responded to therapy?
- A- Coagulative necrosis
  - B- Mitochondrial poisoning
  - C- phagocytosis
  - D- Acute inflammation
  - E- Apoptosis.
- Answer : E