INICET

Question Paper



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INI CET 2022 (May)

Question Paper

Pathology

(Based on Memory Recall)

Q1.Differential expression of parental genetic material in the child is known as?

a. Reduced penetrance
b. Genomic imprinting
c. Mosaics
d. Incomplete penetrance

Correct Answer : B

Q2.Most common banding technique to identify dicentric chromosomes is?

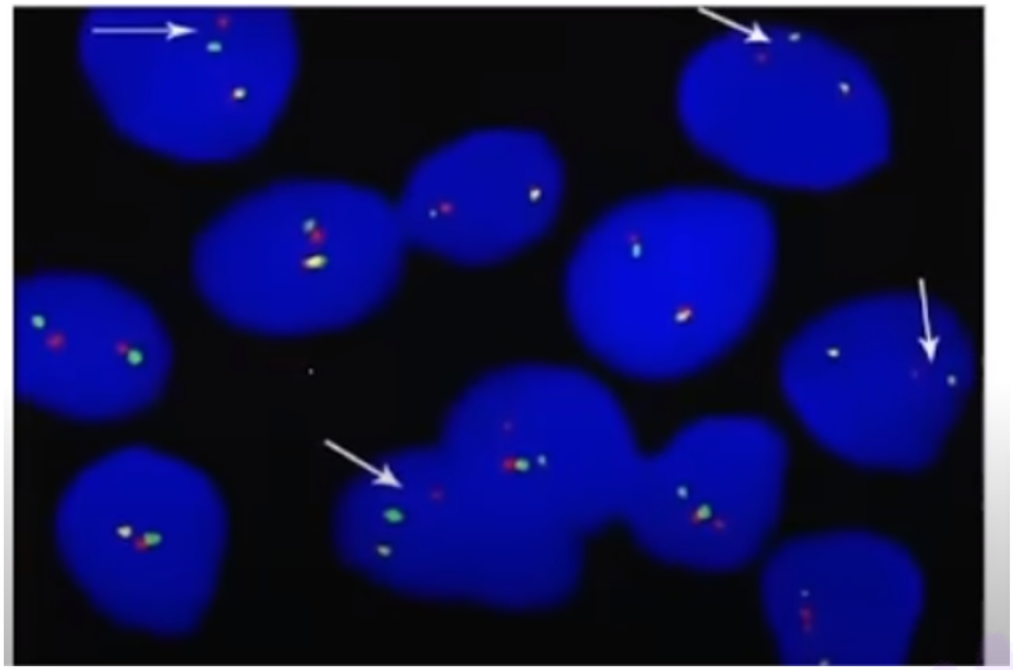
a. C
b. G
c. R
d. Q

Correct Answer : C

Q3.Identify the test in the image given?

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a. PCR
b. Karyotype
c. Sequencing
d. FISH

Correct Answer : D

Q4.Which of the following is an X linked Dominant disease?

a. Rett syndrome
b. Duchenne muscular dystrophy
c. Tuberous deficiency
d. OTC deficiency

Correct Answer : A

Q5.True about genetic screening are all except?

a. Screening involves invasive method
b. Screening test more reliable than diagnostic
c. Tess about genetic risk of transmission
d. Screening involves genetic mapping

Correct Answer : B

Q6.Partial aneuploidy is seen in?

a. WAGAR
b. CAH
c. Testicular feminisation syndrome

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d. Cri DU chat syndrome

Correct Answer : D

Q7.Technique to abscess low allele frequency is?

a. FISH
b. PCR
c. Sangers Sequencing
d. Karyotype

Correct Answer : C

Q8.Which of the following is the correct ratio of T cell to B cell ratio in the blood?

a. 1:4
b. 4:1
c. 3:1
d. 1:3

Correct Answer : C

Q9.MHC class I bind to antigen and activate?

a. CD8 cells
b. CD4 cells
c. B cells
d. None of the above

Correct Answer : A

Q10.True about autophagy ais?

a. Happens if excess of protein in the cell
b. Autophagosome binds with phagosome to form autophagolysosome
c. Autophagosome is a single membrane bound organelle
d. Binds with any organelle

Correct Answer : B

Q11.Which of the following cells is not a part of innate immunity?

a. B cells
b. Gamma delta T cells
c. Complement
d. Defensins

Correct Answer : B

Q12.Match the following tumors with their mutations?

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Tumor	Mutation
A. Neuroblastoma	I. Rb
B. Retinoblastoma	II. Myc N
C. Burkitt lymphoma	III. PLAG1
D. Pleomorphic adenoma	IV. Myc C

Correct Answer : A-II, B-I, C-IV, D-III

Q13.Which of the following is not a feature of pleomorphic adenoma?

a. Perineural invasion
b. Squamous epithelium
c. Chondromyxoid stroma
d. Myoepithelial cells

Correct Answer : A

Q14.Cell in cell appearance is seen in

a. Necrosis
b. Apoptosis
c. Necroptosis
d. Entosis

Correct Answer : D

Q15.Neurosecretory bodies are seen in all except?

a. Adrenocortical adenoma
b. Medullary carcinoma thyroid
c. Pituitary adenoma
d. Paraganglioma

Correct Answer : A

Q16.Identify the cell which is positive for toluidine blue?

a. Mast cells
b. Macrophage
c. Lymphocyte
d. Fibroblasts

Correct Answer : A

Q17Which of the following markers of NK cells?

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a. CD3
b. CD68
c. CD25
d. CD94

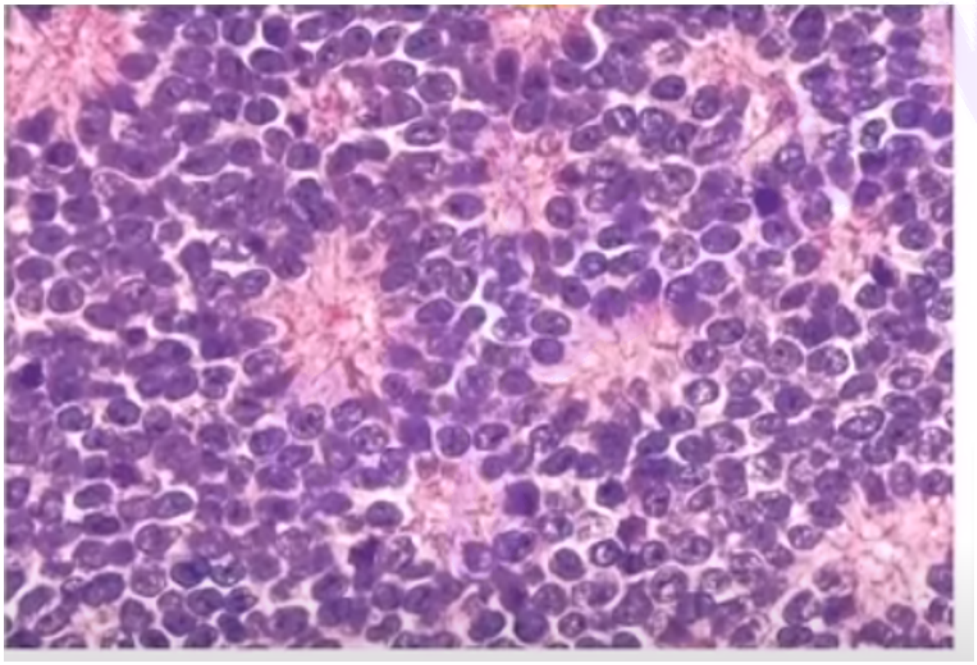
Correct Answer : B

Q18.All of the following are increased in pregnancy except?

a. Factor 7
b. Factor 2
c. Factor 8
d. Factor 11

Correct Answer : D

Q19.A 15-year presents with a diaphyseal lesion, histology is an shown in the image which were MIC2 & Synaptophysin positive?



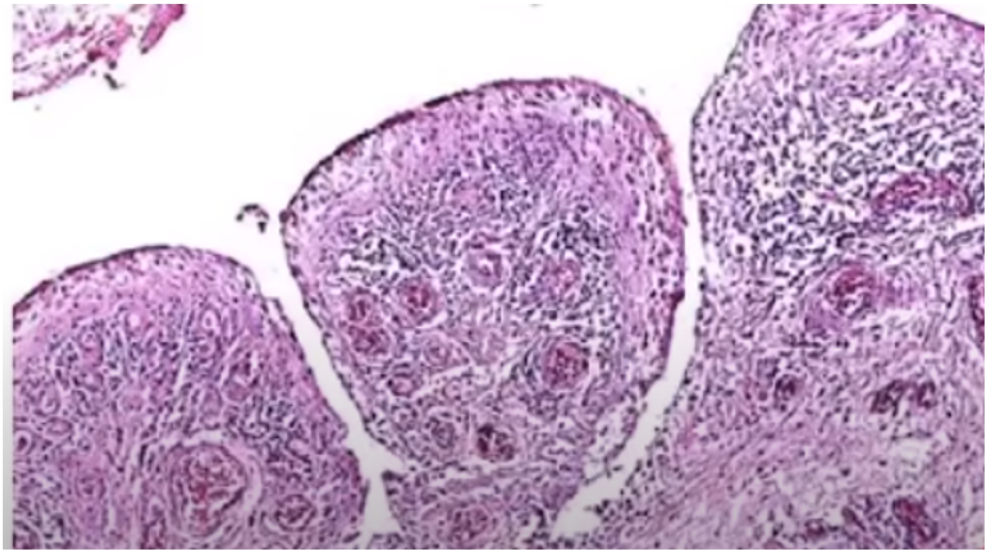
a. Small cell osteosarcoma
b. Metastatic neuroblastoma
c. Chondroblastoma
d. Eqings sarcoma

Correct Answer : D

Q20.72 year old female presents with swelling of knee and reduced joint mobility and space. A synovial biopsy is an shown in the image, what is likely diagnosis?

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a. Osteoarthritis
b. Rheumatoid arthritis
c. Tuberculosis
d. Lymes arthritis

Correct Answer : D

Q21.Which of the following is not AIDS defining cancer?

a. Melanoma
b. NHL
c. Invasive cervical carcinoma
d. Kaposi sarcoma

Correct Answer : A

Q22.A boy presents with multiple patechiae, and atopic dermatitis, blood examination shows small platelets and low platelet count normal WBC count. Next best investigation?

a. WASP mutation
b. Antibodies to platelets
c. Bone marrow examination
d. EM of platelets

Correct Answer : A

Q23.Not true about clear cell carcinoma are? (multiple options)

a. Occurs due to long arm of Chromosome 3 deletion
b. Mostly sporadic
c. Arises from DCT
d. Contains glycogen and lipids

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Correct Answer : A, C

Q24.Which of the following is not screened in blood transfusion?

a. Dengue
b. HIV
c. Syphilis
d. Malaria

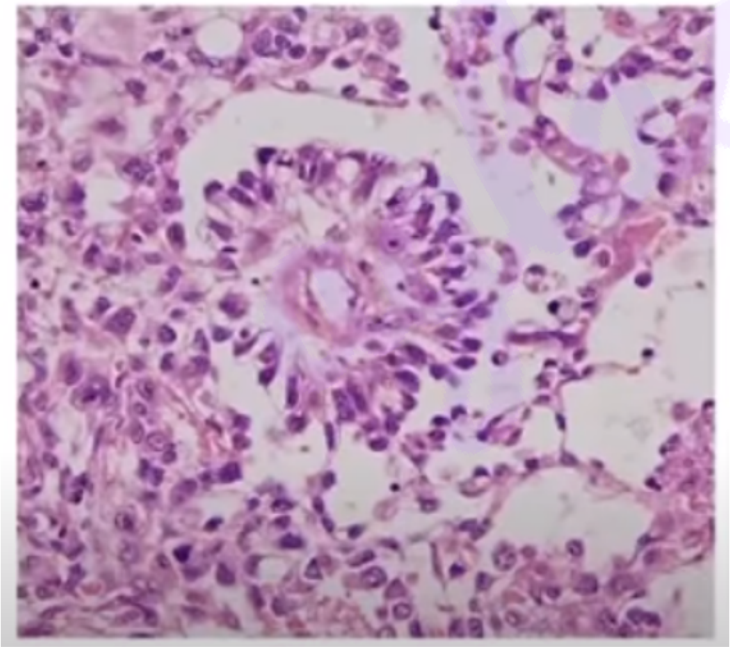
Correct Answer : A

Q25.A 60 year female presents with easy fatigue and pallor. Blood examination shows Hb 6g/dl. Which finding is expected in this patient? (multiple true false)

a. Microcytic hypochromic RBC
b. Poikilocytosis
c. Target cells
d. Macrocytosis

Correct Answer : A, B, C

Q26.What is the diagnosis?



a. Endodermal sinus tumor
b. Choriocarcinoma
c. Cystadenoma
d. Teratoma

Correct Answer : A

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Q27.In iron excess condition Protein A is secreted by liver which causes down regulation protein B in the gut.Protein A and B are respectively?

a. Ferritin, ferroportin
b. Transferrin, hepcidin
c. Hepcidin, ferroportin
d. Hepcidin, DMT 1

Correct Answer : C

Q28.Which of the following is false about anemia of chronic disease?

a. Chronic infection
b. Low serum ferritin
c. Increased hepcidin
d. Adequate iron stores

Correct Answer : B

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