

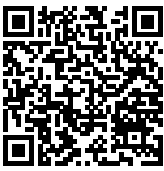
قائمة الاسئلة

علم الوراثة لطلاب السنة الاولى والثانية تمهيدي ماجستير الترم الاول قسم امراض اللثة

أ.د. احمد الجوفي

- 1) Extra chromosomal DNA in bacteria
 - 1) plasmid
 - 2) - Barr body
 - 3) - codon
 - 4) - none of them
- 2) Crossing between Tt and Tt results in
 - 1) - all short
 - 2) - all tall
 - 3) 3 tall: 1 short
 - 4) - 1 short: 3 tall
- 3) Klinefelter's syndrome person has
 - 1) - 46 chromosomes
 - 2) - 45 chromosomes
 - 3) 47 chromosomes
 - 4) - none of them
- 4) Achondroplasia is an
 - 1) autosomal dominant trait
 - 2) - autosomal recessive trait
 - 3) - X-linked dominant trait
 - 4) - X-linked recessive trait
- 5) In a pedigree chart, solid circle symbolizes
 - 1) - female
 - 2) - male
 - 3) affected female
 - 4) - affected male
- 6) Mating between affected parents (Dd) and normal parents (dd) gives
 - 1) - 3 affected (Dd): 1 normal (dd)
 - 2) 2 affected (Dd): 2 normal (dd)
 - 3) - 3 normal (dd) : 1 affected (Dd)
 - 4) - none of them
- 7) An alternative form of a gene is a
 - 1) - anticodon
 - 2) allele
 - 3) - nucleoside
 - 4) - none of them
- 8) Chromosome is composed of
 - 1) - one chromatid
 - 2) 2 chromatids
 - 3) - 3 chromatids
 - 4) - 4 chromatids
- 9) The factors responsible for inheritance of a character is called
 - 1) - hybrid
 - 2) - anticodon
 - 3) gene
 - 4) - all the choices





- 10) The genetic makeup of an individual is known as
- 1) - phenotype
 - 2) genotype
 - 3) - locus
 - 4) - all the choices
- 11) Trait expressed in homozygous condition (double dose)
- 1) - dominant
 - 2) recessive
 - 3) - hybrid
 - 4) - none of them
- 12) Mutation that leads to incomplete (immature) protein
- 1) - point mutation
 - 2) - frame shift mutation
 - 3) non-sense mutation
 - 4) - none of them
- 13) Technique used to detect DNA in the specimen is called
- 1) Southern blot analysis
 - 2) - Northern blot analysis
 - 3) - Western blot analysis
 - 4) - all the choices
- 14) The principle of DNA sequencing is by blocking DNA synthesis through
- 1) - deoxy nucleotides
 - 2) dideoxy nucleotides
 - 3) - Taq polymerase
 - 4) - primers
- 15) The number of human genes is
- 1) - 15,000-20,000
 - 2) 25,000-30,000
 - 3) - 35,000-40,000
 - 4) - > 50,000
- 16) Recombinant DNA technology is useful in producing
- 1) - hormones
 - 2) - drugs
 - 3) - vaccine
 - 4) all the choices
- 17) Mostly these persons are infertile (sterile)
- 1) - Klinefelter syndrome
 - 2) turner syndrome
 - 3) - both Klinefelter syndrome and turner syndrome are correct
 - 4) - both Klinefelter syndrome and turner syndrome are wrong
- 18) Enzyme binds to the promoter
- 1) - DNA polymerase
 - 2) RNA polymerase
 - 3) - endonuclease
 - 4) - all the choices
- 19) Fragil X syndrome is due to
- 1) - point mutation
 - 2) - frame shift mutation
 - 3) repeated sequence





- 4) - none-sense mutation
- 20) Gynecomastia is seen in
- 1) Klinefelter syndrome
 - 2) - turner syndrome
 - 3) - fragil X syndrome
 - 4) - all the choices
- 21) DNA is cut into fragments by
- 1) - DNA polymerases
 - 2) - exonucleases
 - 3) restriction enzymes
 - 4) - reverse transcriptases
- 22) Dental caries is a good example of
- 1) - monogenic inheritance
 - 2) multifactorial inheritance
 - 3) - genetic factors
 - 4) - environmental factors
- 23) Dentinogenesis imperfect type 1 is an example of
- 1) - X-linked recessive inheritance
 - 2) - X-linked dominant inheritance
 - 3) - autosomal recessive inheritance
 - 4) autosomal dominant inheritance
- 24) The stop codon in protein synthesis is recognized by
- 1) - t RNA
 - 2) - rRNA
 - 3) - methionine
 - 4) release factor
- 25) Fragile X-syndrome could be seen among
- 1) - males
 - 2) - females
 - 3) males and females
 - 4) - none of them
- 26) Hemophilia A (Royal hemophili is a genetic deficiency of
- 1) - factor 6
 - 2) factor 8
 - 3) - factor 9
 - 4) - all the choices
- 27) The males are only affected in
- 1) X-linked recessive inheritance
 - 2) - X-linked dominant inheritance
 - 3) - autosomal recessive inheritance
 - 4) - autosomal dominant inheritance
- 28) Twin studies are used to determine
- 1) - monogenic diseases
 - 2) - polygenic diseases
 - 3) multifacoral diseases
 - 4) - none of them
- 29) Risk factors for dental caries include
- 1) - genes
 - 2) - oral bacteria





- 3) - cariogenic diet
4) all the choices
- 30) Mapping the disease gene to its location on the genome is performed by
- 1) - segregation analysis
2) - twin studies
3) linkage analysis
4) - none of them
- 31) Barr bodies are seen in
- 1) - normal female (XX)
2) - Klinefelter syndrome (XXY)
3) - Triple X syndrome (XXX)
4) all the choices
- 32) Amyogenesis imperfecta (Hypoplasti is a type of
- 1) - X-linked recessive inheritance
2) X-linked dominant inheritance
3) - autosomal recessive inheritance
4) - autosomal dominant inheritance
- 33) Double stranded DNA are linked to each other by
- 1) - peptide bond
2) - disulfide bond
3) hydrogen bond
4) - all the choices
- 34) Protein synthesis is known as
- 1) - transcription
2) translation
3) - replication
4) - recombination
- 35) The anticodon is present on
- 1) - mRNA
2) - rRNA
3) tRNA
4) - DNA

