

Question of Med-year exam

- 1- **Concerning prokaryotic transcription**
>>> Sigma (σ) factor enables RNA polymerase to recognize the promoter region.
- 2- **All statements regarding covalent modification by phosphorylation of protein are true Except**
>>> It occurs on hydroxyl group of hydroxyproline and hydroxylysine.
- 3- **Q.\ 31.1, P.\ 444**
- 4- **Q.\ 31.2, P.\ 444**
- 5- **Q.\ 31.3, P.\ 444**
- 6- **Actinomycin D act on**
>>> DNA template, inhibit transcription.
- 7- **Has catalytic action**
>>> RNA.
- 8- **Regarding to Eukaryotic cell cycle**
>>> S phase.
- 9- **Reverse transcriptase**
>>> RNA dependent DNA polymerase.
- 10- **H1**
>>> Most tissue- & species-specific of the histones.
- 11- **Heredity nonpolyposis colon cancer (HNPCC) result from defect in**
>>> Mismatch repair system.
- 12- **Promoter**
>>> initiation of transcription.
- 13- **Holoenzyme (except)**
>>> Its Rho-factor recognizes the termination signal.
- 14- **Regarding to Prokaryotic transcription**
>>> Supercoils that relaxed by DNA topoisomerase I & II.
- 15- **Regarding to termination Prokaryotic transcription**
>>> RNA form a stable hairpin turn.

الرجاء عدم إحضار الأسئلة للكلية



- 16- Lactose operon**
>>> has both +tive & -tive regulation.
- 17- Regarding to Eukaryotic transcription**
>>> DNA Methylation is relative inactive.
- 18- Regarding to posttranscriptional modification of RNA**
>>> Addition of a poly-A tail in 3'-end.
- 19- Intron**
>>> Uncode for protein.
- 20- Characteristic of the genetic code**
>>> نسيت الجواب
- 21- Huntington disease**
>>> occur within the coding region of a gene.
- 22- Frame-shift mutation**
>>> added one or two nucleotides.
- 23- Aminoacyl-tRNA synthetase**
>>> نسيت الجواب
- 24- Monocistronic**
>>> one mRNA produce one polypeptides.
- 25- Polysome**
>>> نسيت الجواب
- 26- Interfere with the initiation of protein synthesis**
>>> Streptomycin.
- 27- Blocking access of the aminoacyl-tRNA to mRNA-ribosome complex**
>>> Tetracyclines.
- 28- Inhibition of elongation**
>>> Puromycin
- 29- Erythromycin**
>>> Irreversibly binding to a site on the 50S.
- 30- Diphtheria toxin**
>>> preventing translocation.



31- Restriction endonuclease

>>> produce Sticky or blunt ends.

32- cDNA

>>> can be cloned into an expression vector.

33- RFLP

>>> it may result from single base change.

34- PCR

>>> primer has a complementary of flanking sequence.

35- Posttranslational modification of polypeptide chain

>>> نسيت الجواب

شكر للأخ Veto

الرجاء عدم إحضار الأسئلة للكلية

... ولا تنسونا من دعائكم ...

أبو عمر

dr.ytk@w.cn

