



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

SOLUTIONS – 33

Class: XII

Sub: Biological Science

Date: 27.07.2020

Topic: Ch 6 (Part 2) – Structure and it's types of RNA

F.M. : 15

Choose the correct option:

(1x15=15)

1. The following is not the function RNA:
a) genetic material in angiosperms b) Genetic material of few plant viruses c) Adaptor molecule d) Blue print of DNA

Answer : genetic material in angiosperms (a)

2. The RNA which carries information from chromosomal DNA to the cytoplasm is :
a) ribosomal RNA b) transfer RNA c) messenger RNA d) Small nuclear RNA

Answer : messenger RNA (c)

3. The nitrogenous base thymine is replaced by ----- in the RNA.
a) Ribothymidine b) Cytosine c) Pseudouridine d) Uracil

Answer : Uracil (d)

4. The function of recognition of codon is brought about by the ----- arm of tRNA
a) DHU arm b) anticodon c) T psi C arm d) Variable arm

Answer : anticodon (b)

5. The ribosomal RNA are synthesized in the -----
a) Nucleolus b) Nucleus c) Ribosome d) None of these

Answer : Nucleolus (a)

6. 70s ribosome is/are: The r RNA present in 50s subunit o
a) 16s rRNA b) 23s rRNA c) 23s rRNA and 5s rRNA d) 28 s RNA

Answer : 23s rRNA and 5s rRNA (c)

7. The following rRNA is not found in the eukaryotic ribosome:
a) 28s b) 5s c) 16s d) 5.8s

Answer : 16s (c)

8. Enzymatic RNAs are also called-
a) Ribozyme b) sn RNA c) Ribonuclease d) tRNA

Answer : Ribozyme (a)

9. The following nitrogenous base is found in t RNA :-
a) Ribothymidine b) Pseudouridine c) Inosine d) All of these

Answer : All of these (d)

10. The ----- arm carries the amino acid during protein synthesis:

- a) DHU b) Acceptor c) T psi C d) Anticodon

Answer : Acceptor (c)

11. The term messenger RNA was used by:

- a) Jacob and Monod b) Meselson and Stahl c) Hargobind Khorana d) Watson and Crick

Answer : Jacob and Monod (a)

12. RNA is chiefly found in:

- a) Nucleolus b) Mitochondria c) cytoplasm d) All of these

Answer : All of these (d)

13. The unprocessed mRNA is also called:

- a) Heterogeneous RNA b) small nuclear RNA c) Ribozyme d) none of these

Answer : Heterogeneous RNA (a)

14. The clover leaf model of tRNA was proposed by:

- a) Chargaff b) Holley c) Nirenberg d) Crick

Answer : Holley (b)

15. A typical messenger RNA consists of:

- a) G- cap b) Poly A tail c) Coding region d) All of these

Answer : All of these (d)

Shaista Ahmed