



**ST. LAWRENCE HIGH SCHOOL**



**A JESUIT CHRISTIAN MINORITY INSTITUTION**

**WORK SHEET – 39**

**Class: XII**

**Sub: Bio Science**

**Date: 17.08.2020**

**Topic: Chapter 6 (part 8) Protein Synthesis – Post transcriptional Changes and Genetic Code**

**F.M. : 15**

**Choose the correct option:**

**(1x15=15)**

1. The primary transcript is also called :-  
a) Nascent RNA b) hn RNA c) mRNA d) All of these
2. The post transcriptional change where large RNA precursors are cut into smaller RNAs is called :-  
a) Cleavage b) Splicing c) Cutting d) None of these
3. The functional coding sequences are called :-  
a) Introns b) Exons c) Split genes d) All of these
4. Each intron starts with dinucleotide sequence \_\_\_\_\_ and ends with dinucleotide sequence.  
a) GU, AG respectively b) AG, GU respectively c) GU, GU d) AG, AG
5. Terminal additions include the following :-  
a) CCA segment in tRNA b) Addition of 7-methyl guanosine cap c) Addition of poly – A segment to mRNA d) All of these
6. The relationship between the sequence of amino acids in a poly peptide and nucleotide sequence of DNA is called :-  
a) Genetic code b) Nucleotide code c) Triplet code d) All of these
7. The deciphering of the genetic code was done by :-  
a) Holley b) Nirenberg c) Khorana d) All of these
8. The start codon has the sequence of :-  
a) AAG b) AUG c) AGG d) GUU
9. The non-sense codon is :-  
a) UAG b) UGA c) UAA d) All of these
10. The property of code where a codon specifies the same amino acid in all organisms is called :-  
a) Universality b) Non-ambiguous c) Degeneracy d) None of these
11. The genetic code is said to be \_\_\_\_\_ as it does not pauses after triplet.  
a) Universal b) Polar c) Triplet d) Commaless
12. The genetic code is said to be \_\_\_\_\_ when the nitrogen base is specified by only one codon :-  
a) Universal b) Non-overlapping c) Degenerate d) None of these

13. The overlapping genes are found in :-  
a) Mitochondria b) Few viruses c) All prokaryotes d) All of these
14. The genetic code is said to be \_\_\_\_\_ when the first two nitrogen bases are similar and the third base is different.  
a) Degenerate b) Overlapping c) Commaless d) Collinear
15. AUG is the start codon it codes for the following amino acid :-  
a) Valine b) Proline c) Methionine d) Tryptophan

Shaista Ahmed