

# SCIENCE KA MAHAKUMBH

## **BIOLOGY NOTES FOR NEET EXAMS PART-1**



### **BIOLOGY NOTES FOR NEET EXAMS**

**BY - DEEPA MA'AM**

**Q.1 Ethylene is used for**

- (a) Retarding ripening of tomatoes**
- (b) Slowing down ripening of apples**
- (c) Hastening of ripening of fruits**
- (d) Both (b) and (c)**



**Q.2 Coconut water contains**

- (a) Cytokinin**
- (b) Auxin**
- (c) ABA**
- (d) Gibberellin**

**Q.3 Plasticity in plant growth means that**

- (a) Plant roots are extensible**
- (b) Stems can extend**
- (c) Plant development is dependent on the environment**
- (d) None of the above**

**Q.4 ABA acts as antagonistic to**

- (a) Ethylene**
- (b) Cytokinin**
- (c) IAA**
- (d) Gibberellic acid**

**Q.5 To increase sugar production in sugarcanes, they are sprayed with**

- (a) Gibberellin**
- (b) Cytokinin**
- (c) IAA**
- (d) Ethylene**

**Q.6 The photoperiod in plants is perceived at**

- (a) Leaves**
- (b) Flower**
- (c) Floral buds**
- (d) Meristem**



**Q.7 Opening and closing of flowers represent a kind of**

- (a) Nastic movements**
- (b) Nutation movements**
- (c) Autonomic movements.**
- (d) Tropic movements**

**Q.8 Phototropic and geotropic movements are linked to**

- (a) Gibberellins**
- (b) Enzymes**
- (c) Auxin**
- (d) Cytokinins**

**Q.9 Sprouting of potato can be prevented in storage by**

- (a) Maleic hydrazide**
- (b) Gibberellins**
- (c) Indole acetic acid**
- (d) Cytokinins.**

**Q. 10 Phytochrome is involved in**

- (a) Phototropism**
- (b) Photorespiration**
- (c) Photoperiodism**
- (d) Geotropism.**

**Q. 11 Photo morphogenetic pigment in plants is**

- (a) Chlorophyll**
- (b) Phytochrome system**
- (c) Carotene**
- (d) Chalcone pigment.**



**Q. 12 A long day plant is**

- (a) Soyabean**
- (b) Wheat/Spinach**
- (c) Tobacco**
- (d) Xanthium.**

**Q.13 Ethylene is**

- (a) A gaseous metabolite**
- (b) A gaseous enzyme**
- (c) A solid hormone**
- (d) A gaseous hormone .**

**Q.14 Bioassay of IAA is**

- (a) Callus test**
- (b) Avena curvature test**
- (c) a-amylase test.**
- (d) Leaf disc test**

**Q.15 IAA precursor is**

- (a) Tyrosine**
- (b) Leucine**
- (c) Tryptophan**
- (d) Phenylalanine**

**Q. 16 What is a stress hormone?**

- (a) Benzyl aminopurine**
- (b) Ethylene**
- (c) Abscisic acid**
- (d) Dichlorophenoxy acetic acid**

**Q. 17 Cytokinins are mostly**

- (a) Acidic
- (b) Phenolic
- (c) Glucosides
- (d) Aminopurines

**Q.18 2, 4-D is**

- (a) Insecticide
- (b) Weedicide
- (c) Rodenticide
- (d) Nematicide

**Q. 19 The ultimate electron acceptor of respiration in an aerobic organism is:**

- (a) Glucose
- (b) Hydrogen
- (c) Oxygen
- (d) Cytochrome

**Q.20 Which of the following exhibits the highest rate of respiration?**

- (a) Root tip
- (b) Leaf bud
- (c) Growing shoot apex
- (d) Germinating seed

**Q.21 R. Q. of germinating castor seed is:**

- (a) 0
- (b)  $< 1$
- (c)  $> 1$
- (d) 1

**Q.22 Last (ultimate) electron receptor in aerobic respiration is:**

- (a)  $O_2$
- (b)  $CO_2$
- (c)  $H_2$
- (d) NADH

**Q.23 Maximum number of ATP is obtained from:**

- (a) Glucose
- (b) Malic acid
- (c) Palmitic acid
- (d) Amino acid

**Q.24 Upon oxidation of the one molecule of pyruvate by mitochondrial respiration, the molecules of ATP generated are:**

- (a) 15
- (b) 8
- (c) 30
- (d) 38

**Q.25 R.Q. value of 4 may be expected for the complete oxidation of which one of the following?**

- (a) Glucose
- (b) Oxalic acid
- (c) Malic acid
- (d) Tartaric acid

**Q.26 The respiratory quotient during cellular respiration would depend upon:**

- (a) Amount of  $O_2$  utilized
- (b) Amount of  $CO_2$  released
- (c) The nature of enzyme involved
- (d) Both (a) and (b)



**Q.27 How many net ATP molecules are obtained from fermentation of one molecule of glucose?**

- (a) 3
- (b) 2
- (c) 5
- (d) 4

**Q.28 During one turn of Krebs' cycle, number of CO<sub>2</sub> molecules released:**

- (a) 4
- (b) 3
- (c) 1
- (d) 2

**Q.29 During aerobic respiration, maximum NADH<sub>2</sub> is formed during:**

- (a) ETS
- (b) Glycolysis
- (c) Krebs' cycle
- (d) Fermentation

**Q. 30 In Kreb's cycle, OAA accepts acetyl CoA to form:**

- (a) Succinyl CoA
- (b) Citric acid
- (c) Fumaric acid
- (d) Oxalosuccinic acid

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