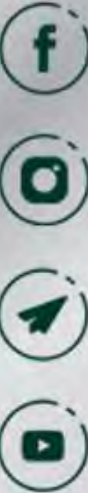


ANTICIPATED QUESTIONS - NEET 2021

B  
O  
T  
A  
N  
Y



**ANTICIPATED QUESTIONS  
NEET 2021**



## ANTICIPATED QUESTIONS - NEET 2021

1) Plant which flower once in 12 years is

- (A) Strobilanthus kunthiana
- (B) Bamboo
- (C) Mango
- (D) Agave



## ANTICIPATED QUESTIONS - NEET 2021

2) Bulbils in Agave are modified

- (A) Leaves
- (B) Adventitious root
- (C) Tap root
- (D) Floral buds



## ANTICIPATED QUESTIONS - NEET 2021

3) Sporopollenin is

- (A) Component of Intine
- (B) Thick in germ pores
- (C) Responsible for preservation of pollen as fossils
- (D) More than one options are correct



## ANTICIPATED QUESTIONS - NEET 2021

4) Which of the following is helpful in maintaining pollen banks ?

- (A) Sporopollenin
- (B) Pecto cellulose
- (C) Cryopreservation
- (D) Pollen kit



## ANTICIPATED QUESTIONS - NEET 2021

5) Pure lines can be obtained by

- (A) Cross pollination
- (B) Hybridization
- (C) Continuous selfing and selection
- (D) Intervarietal hybridization



## ANTICIPATED QUESTIONS - NEET 2021

6) Mendel conducted hybridisation experiment on garden Peas for how many years

- (A) 7
- (B) 17
- (C) 14
- (D) 34





## ANTICIPATED QUESTIONS - NEET 2021

7) When a cross is made between pea plant with green seed and plant with yellow seeds what proportion of phenotype in off springs could be expected to be green and yellow?

- a) all green
- b) 50% green 50 % yellow.
- c) all yellow

- (A) b and c are possible
- (B) Only c is possible
- (C) Only a is possible
- (D) a and c are possible



8) Which of the following is a nucleotide?

- (A) Adenosine
- (B) Deoxy adenosine
- (C) Guanosine
- (D) Adenylic acid



## ANTICIPATED QUESTIONS - NEET 2021

9) A DNA has 5000 base pairs, if the amount of adenine is 20 % then find out the total number of nucleotides of cytosine present

- (A) 2000
- (B) 1500
- (C) 3000
- (D) 4000



## ANTICIPATED QUESTIONS - NEET 2021

10) In lac. operon if 'y' gene undergoes nonsense mutation then what changes we observe during expression of structural gene.

- (A) No any enzyme synthesis will occur
- (B) Permease enzyme will synthesise
- (C) Only beta galactosidase will synthesise
- (D) No changes occur in enzyme synthesis



11) Common biofertiliser in rice field is

- (A) Rhizobium
- (B) Azolla, Anabaena relationship
- (C) Frankia
- (D) Azotobacter



## ANTICIPATED QUESTIONS - NEET 2021

12) The technology of biogas production was developed in India mainly due to efforts of

- (A) IARI, KVIC
- (B) UNDP
- (C) UNESCO
- (D) NWAP



## ANTICIPATED QUESTIONS - NEET 2021

13) In PBR 322 ,if desired gene is inserted at the site of Hind III recognition site, which selectable marker gene will become inactive?

- (A) tetR
- (B) ampR
- (C) lacZ
- (D) None of these



14) Gel electrophoresis is used for separation of

- (A) DNA from host
- (B) Strands of DNA
- (C) DNA from gel
- (D) Fragments of DNA





## ANTICIPATED QUESTIONS - NEET 2021

15) Vector less method suitable to transfer gene into animal cell is

- (A) Disarmed retrovirus
- (B) Polyethylene glycol
- (C) Microinjection
- (D) Biolistics



## ANTICIPATED QUESTIONS - NEET 2021

16) Consider the following statements and choose the correct options

- I. The endomembrane system, include plasma membrane, ER Golgi complex, lysosomes and vacuoles.
- II. ER helps in the transport of substances, synthesis of proteins, lipoproteins and glycogen.
- III. Ribosomes are involved in protein synthesis.
- IV. Mitochondria help in oxidative phosphorylation and generation of ATP.

(A) II, III and IV correct

(B) I is correct

(C) II is correct

(D) III is correct



## ANTICIPATED QUESTIONS - NEET 2021

17) Organism which produce 'cry' proteins are all except

- (A) Bollworm
- (B) Bt corn
- (C) Bt cotton
- (D) More than one options



18) In endarch primary xylem

- (A) Protoxylem lies toward periphery
- (B) Protoxylem lies toward centre
- (C) Metaxylem lies toward centre
- (D) Both protoxylem and metaxylem lies toward centre



## ANTICIPATED QUESTIONS - NEET 2021

19) Hormone which suppresses the apical dominance is

- (A) Auxin
- (B) Gibberellins
- (C) Cytokinin
- (D) Ethylene



## ANTICIPATED QUESTIONS - NEET 2021

20) Which of the following plant will not respond to photoperiodic cycle?

- (A) Defoliated plant
- (B) Plant with half leaf
- (C) Plant with one leaf
- (D) Plant with many leaves



21) Site of oxidative phosphorylation is

- (A) Mitochondria
- (B) Chloroplast
- (C) Peroxisome
- (D) Both 1 & 2



22) As compare to the dicot root, monocot root

- (A) Have fewer xylem bundles
- (B) Have more xylem bundles
- (C) Undergoes secondary growth
- (D) Have no pith





23) Electron carrier not involved in cyclic photophosphorylation is

- (A) Phaeophytin
- (B) Plastoquinone
- (C) Cytochrome b-f of complex
- (D) Plastocyanin



## ANTICIPATED QUESTIONS - NEET 2021

24) CAM plant among the following is

- (A) Wheat
- (B) Maize
- (C) Sugarcane
- (D) Euphorbia



## ANTICIPATED QUESTIONS - NEET 2021

25) A man of blood group AB is married to a woman of O blood group. Which blood group/groups is/are not possible in their children?

- (A) AB and O
- (B) A and B
- (C) Only AB
- (D) Only O



## ANTICIPATED QUESTIONS - NEET 2021

26) In carbon fixation cycle

- (A) 5C compound is converted into 3C compound in reduction step
- (B)  $\text{CO}_2$  is added by RUBISCO
- (C) ATP and NADPH are utilized in regeneration
- (D) Carbon is oxidized



27) The transfer of amino group from one amino acid to keto group of keto acid is

- (A) Deamination
- (B) Reductive amination
- (C) Translation
- (D) Transamination



## ANTICIPATED QUESTIONS - NEET 2021

28) Mo- Fe protein help in

- (A) Denitrification
- (B) Ammonification
- (C) Nitrification
- (D) Nitrogen fixation



## ANTICIPATED QUESTIONS - NEET 2021

29) Match the following

| Column-I     | Column II               |
|--------------|-------------------------|
| a) Potassium | i) Vitamins             |
| b) Calcium   | ii) Ring of chlorophyll |
| c) Magnesium | iii) Mitotic spindle    |
| d) Sulphur   | iv) Anion balance       |

(A) a-iv, b-iii, c-ii, d-i

(B) a-i, b-ii, c-iii, d-iv

(C) a-ii, b-i, c-iii, d-iv

(D) a-iii, b-i, c-ii, d-iv



**30)** Mass flow explain

- (A) Transport of proton across the membrane in mitochondria
- (B) Ascent of sap in xylem
- (C) Transport of phloem sap
- (D) Both 2 and 3





31) The spring wood

- (A) Is dark in colour
- (B) Is light in colour
- (C) Have lower density
- (D) Both 2 and 3



## ANTICIPATED QUESTIONS - NEET 2021

32) Choose the correct option Stage of cell

Cycle

Event

- (A) Anaphase - Chromosomes move to equator
- (B) Metaphase - Centromere split and chromatids separates
- (C) Zygotene - Pairing of Homologous chromosomes takes place
- (D) Prophase - Crossing over between homologous chromosomes take place



33) Chiasmata become visible in

- (A) Zygotene
- (B) Pachytene
- (C) Diplotene
- (D) Leptotene



## ANTICIPATED QUESTIONS - NEET 2021

34) Types of placentation present in Dianthus is

- (A) Marginal
- (B) Free central
- (C) Basal
- (D) Parietal



## ANTICIPATED QUESTIONS - NEET 2021

35) Adiantum belongs to which class ?

- (A) Psilopsida
- (B) Lycopsida
- (C) Pteropsida
- (D) Sphenopsida



## ANTICIPATED QUESTIONS - NEET 2021

**36)** Secondary metabolites

- a) Have identifiable physiological function
- b) are useful to human beings
- c) have ecological importance

**(A)** a, b, c all correct

**(B)** only a and b correct

**(C)** b and c are correct

**(D)** only b is correct



## ANTICIPATED QUESTIONS - NEET 2021

37) What gases are produced during 'anaerobic sludge digestion'?

- (A) Methane and  $\text{CO}_2$  but not  $\text{H}_2\text{S}$
- (B) Methane,  $\text{H}_2\text{S}$  and  $\text{CO}_2$
- (C) Methane,  $\text{H}_2\text{S}$  and  $\text{O}_2$
- (D)  $\text{H}_2\text{S}$  and  $\text{CO}_2$  but not Methane



38) Claviceps belongs to class

- (A) Phycomycetes
- (B) Ascomycetes
- (C) Basidiomycetes
- (D) Deuteromycetes





39) Trilocular ovary occur in all except

- (A) Asparagus
- (B) Aloe
- (C) Colchicum
- (D) Trifolium



40) Protenema is

- (A) Filamatus sporophyte in moss
- (B) Gametophyte in ferns
- (C) Unicellular and haploid
- (D) Early stage of gametophyte of moss



## ANTICIPATED QUESTIONS - NEET 2021

41) What is nature of cell wall in Diatoms?

- (A) Cellulosic and non silicate
- (B) Proteinaceous and silicate
- (C) Glyco proteins and silicate
- (D) Cellulosic and silicate



## ANTICIPATED QUESTIONS - NEET 2021

42) Choose correct option

- (A) Flora Information about single taxon
- (B) Manual Provide information for identification of name of species found in an area
- (C) Monograph provide account of habitat and distribution of plants
- (D) Catalogues Book which contains species of plants with key



## ANTICIPATED QUESTIONS - NEET 2021

43) Match the following.

| Column-I     | Column-II   |
|--------------|-------------|
| a) Jasmine   | i) Sucker   |
| b) Pineapple | ii) Rhizome |
| c) Zaminkand | iii) Stolon |
| d) Ginger    | iv) Corm    |

(A) a->i b->iii c->iv d->ii

(B) a->ii b->i c->iv d->iii

(C) a->iii b->i c->ii d->iv

(D) a->iii b->i c->iv d->ii



## ANTICIPATED QUESTIONS - NEET 2021

44) Match the column-I with column-II

| Column-I      | Column-II          |
|---------------|--------------------|
| a) Exine      | i) Pecto-cellulose |
| b) Intine     | ii) Sporopollenin  |
| c) Calotropis | iii) Pollinium     |
| d) Salvia     | iv) Turnpipe       |

(A) a->iii b->i c->iv d->ii

(B) a->ii b->i c->iii d->iv

(C) a->i b->iv c->ii d->iii

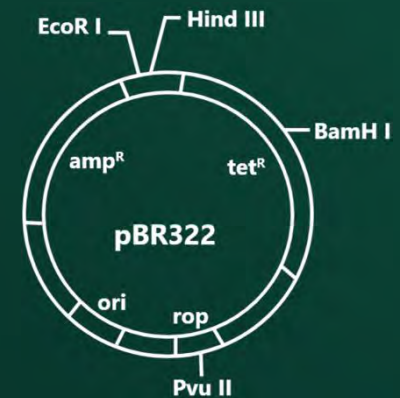
(D) a->iii b->ii c->i d->iv



## ANTICIPATED QUESTIONS - NEET 2021

45) The figure given below is the diagrammatic representation of the vector pBR322. Which one of the given options correctly identifies its certain components ?

- (A) Hind III, EcoRI-Antibiotic Resistance gene
- (B) Amp<sup>R</sup>, tet<sup>R</sup> – Selectable markers
- (C) Ori-Original restriction enzyme
- (D) Rop – Reduced osmotic pressure



## ANTICIPATED QUESTIONS - NEET 2021

46) Identify the correct match :

| Column I              | Column II           |
|-----------------------|---------------------|
| (a) Sigma factor      | (i) Tailing         |
| (b) Poly A polymerase | (ii) hn RNA         |
| (c) Sn RNA            | (iii) Promoter site |
| (d) Introns           | (iv) Splicing       |

(A) a->iv, b->iii, c->ii, d->i

(B) a->iii, b->iv, c->i, d->ii

(C) a->i, b->ii, c->iii, d->iv

(D) a->iii, b->i, c->iv, d->ii





## ANTICIPATED QUESTIONS - NEET 2021

47) Match the items given in Column I with those given in Column II. Choose the answer with the correct combination of alphabets.

| Column I         | Column II         |
|------------------|-------------------|
| a. Zoospores     | p. Sac fungi      |
| b. Basidiospores | q. Deuteromycetes |
| c. Ascospores    | r. Ascomycetes    |
| d. Conidiospores | s. Basidiomycetes |
| t. Phycomycetes  |                   |

(A) a = p, b = q, c = r, d = t

(B) a = q, b = s, c = r, d = p

(C) a = t, b = s, c = p, d = q

(D) a = q, b = t, c = r, d = s

## ANTICIPATED QUESTIONS - NEET 2021

48) Consider the following statements and find the correct option.

**Statement -I:** Bryophytes show the formation of an embryo.

**Statement-II:** The embryo develops into the gametophyte in bryophytes.

- (A) Both statement I and II are correct
- (B) Both statement I and II are wrong
- (C) Statement I is correct and II is wrong
- (D) Statement I is incorrect and II is correct



## ANTICIPATED QUESTIONS - NEET 2021

49) Some organic compounds are listed below. In which of the option, they are arranged as 2C-3C-4C-5C-6C compounds?

- a) a - ketoglutaric acid    b) Oxalosuccinic acid  
c) Acetyl CoA                      d) Succinic acid                      e) Pyruvic acid

(A) e-c-a-d-b

(B) b-c-a-d-e

(C) e-c-d-a-b

(D) c-e-d-a-b



## ANTICIPATED QUESTIONS - NEET 2021

**50) Statement 1:** Mitochondria and chloroplast are semi-autonomous organelles.

**Statement 2:** They are formed by division of pre-existing organelles as well as contain DNA but lack protein synthesising machinery.

(A) Statement 1 is True, Statement 2 is True; Statement 2 is correct explanation for Statement 1

(B) Statement 1 is True, Statement 2 is True; Statement 2 is not correct explanation for Statement 1

(C) Statement 1 is True, Statement 2 is False

(D) Statement 1 is False, Statement 2 is True



ANTICIPATED QUESTIONS - NEET 2021

B  
O  
T  
A  
N  
Y

