NEET BIOLOGY 2018-19 - Chennai

Periodic Test : 09 **Test ID :** 021

Number of questions: 150 **Test date: 28.03.2019**

Name: _____ **Time**: 3HRS

ID No: _____

Negative Marks : 4 marks for correct attempt & 1 mark deducted for every wrong attempt.

1. Coconut fruit is a
   (a) berry
   (b) nut
   (c) capsule
   (d) drupe

2. In Bougainvillea, thorns are the modifications of
   (a) adventitious root
   (b) stern
   (c) leaf
   (d) stipules

3. The morphological nature of the edible part of coconut is
   (a) cotyledon
   (b) endosperm
   (c) pericarp
   (d) perisperm

4. The term 'polyadelphous' is related to
   (a) gynoecium
   (b) androeciu
   (c) corolla
   (d) calyx

5. How many plants among Indigofera, Sesbania, Salvia, Allium, Aloe, mustard, groundnut, radish, gram and turnip have stamens with different lengths in their flowers?
   (a) Three
   (b) Four
   (c) Five
   (d) Six

6. Radial symmetry is found in the flowers of
   (a) Brassica
   (b) Trifolium
   (c) pisum
   (d) Cassia

7. Free-central placentation is found in
   (a) Dianthus
   (b) Argemone
   (c) Brassica
   (d) Citrus

8. Which of the following is not a stem modification?
   (a) Tendrils of cucumber

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(b) Flattened structures of opuntia
(c) Pitcher of Nepenthes
(d) Thorns of citrus

9. Stems modified into flat green organs performing the functions of leaves are known as
(a) phylloclades
(b) scales
(c) cladodes
(d) phyllodes.

10. Cotyledon of maize grain is called
(a) coleoptile
(b) scutellum
(c) plumule
(d) coleorhiza

11. Tricarpellary, syncarpous, gynoecium is found in flowers of
(a) Fabaceae
(b) Poaceae
(c) Liliaceae
(d) Solanaceae

12. The standard petal of a papilionaceous corolla is also called
(a) vexillum
(b) corona
(c) carina
(d) pappus

13. The wheat grain has an embryo with one large, shield shaped cotyledon known as
(a) scutellum
(b) coleoptile
(c) epiblast
(d) coleorhiza

14. Among China rose, mustard, brinjal, potato, guava, cucumber, onion and tulip, how many Plants have superior ovary?
(a) Three
(b) Four
(c) Five
(d) Six

15. Axile placentation is present in
(a) pea
(b) Argemone
(c) Dianthus
(d) lemon

16. Roots play insignificant role in absorption of water in
(a) pea
(b) wheat
(c) sunflower
(d) Pistia

17. $\oplus\!\male\ K_{(5)}\overset{\frown}{C_{(5)}}A_5\underline{G}_{(2)}$ is the floral formula of
(a) Petunia
(b) Brassica
(c) Allium

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(d) Sesbania

18. Perigynous flowers are found in
    (a) China rose
    (b) rose
    (c) guava
    (d) cucumber

19. Keel is the characteristic feature of flower of
    (a) Aloe
    (b) tomato
    (c) tulip
    (d) Indigofera

20. Leaves become modified into spines in
    (a) onion
    (b) silk cotton
    (c) Opuntia
    (d) Pea

21. Placenta and pericarp are both edible portions in
    (a) apple
    (b) banana
    (c) tomato
    (d) potato

22. When the margins of sepals or petals overlap one another without any particular direction, the condition is termed as
    (a) vexillary
    (b) imbricate
    (c) twisted
    (d) valvate

23. Which one of the following statements is correct?
    (a) The seed in grasses not eridospermic
    (b) Mango is a parthenocarpic fruit
    (c) A proteinaceous aleurone layer is present in maize grain
    (d) A sterile pistil is called a staminode.

24. An example of edible underground stem is
    (a) Carrot
    (b) Groundnut
    (c) Sweet potato
    (d) Potato

25. Among bitter gourd, mustard, brinjal, pumpkin, china rose, lupin, cucumber, sun hemp, gram, guava, bean, chilli, plum, petunia, tomato, rose,withania, potato, Onion, aloe and tulip how many plants have hypogynous flower'?
    (a) Fifteen
    (b) Eighteen
    (c) Six
    (d) Ten

26. Which is expressing right appropriate

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pairing?

(a) Brassicaceae - sunflower
(b) Malvaceae - cotton
(c) Papilionaceae - catechu
(d) Liliaceae - wheat

27. Pneumatophores are found in
(a) the vegetation which is found in marshy and saline lake
(b) the vegetation which found in acidic soil
(c) xerophytes
(d) epiphytes

28. Hair found in the in of Zea mays are the modification of
(a) style
(b) stigma
(c) spathe
(d) filaments

29. Geocarpic fruits is
(a) carrot
(b) radish
(c) ground nut
(d) turnip

30. Angiosperm, to which the largest flowers belong, is
(a) total root parasite
(b) partial root parasite
(c) total stem parasite
(d) Partial stem parasite

31. The plant, which bears clinging roots, is
(a) screw pine
(b) Podostemon
(c) Trapa
(d) Orchid

32. Floral features are chiefly used in angiosperms identification because
(a) flowers can be safely pressed
(b) reproductive parts are more stable and conservative than vegetative parts
(c) flowers are nice to work with
(d) flowers are of various colours

33. Which plant will lose its economic value, if its fruits are produced by induced parthenocarpy?
(a) Orange
(b) Banana
(c) Grape
(d) Pomegranate

34. Which of the following is a 'true fruit'?
(a) Banana
(b) Fig
(c) Apple
(d) Pear

35. A plant bears fruit has a column of vascular tissue and a tap root system. This plant is a
(a) angiosperm and dicot

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(b) gymnosperm and dicot
(c) angiosperm and monocot
(d) gymnosperm and monocot

36. Hypanthodium is a specialized type of
(a) fruit
(b) inflorescence
(c) thalamus
(d) ovary

37. Pulses are obtained from
(a) Fabaceae
(a) Asteraceae
(b) Poaceae
(c) Solanaceae

38. Epipetalous stamens with free filaments and fused anthers occur
(a) Asteraceae
(b) Solanaceae
(c) Liliaceae
(d) Poaceae

39. Floral formula of tomato/tobacco is

(a) $\oplus ♀ K_{4-5}A_{10}G_{(2)}$ (b) $\oplus ♀ K_{2+2}C_4A_{2+4}G_1$

(c) $\oplus ♀ P_2A_3G_1$ (d) $\oplus ♀ K_{(5)}\overset{\frown}{C_{(5)}A_5}\underline{G}_{(2)}$

40. Botanical name of cauliflower is
(a) Brassica olerarea var. capitata
(b) Brassica compesteris
(c) Brassica oleracea var. botrytis
(d) Brassica oleracea var. gemmifera

41. $\oplus ♀ K_{(5)}\overset{\frown}{C_{(5)}A_{(5)}}\underline{G}_{(2)}$ Is floral formula of
(a) Liliaccae
(b) Solanaceae
(c) Asteraceae
(d) Fabaceae.

42. Epipetalous and syngenesious stamens occur in
(a) Solanaceae
(b) Brassicaceae
(c) Fabaceae
(a) Asteraceae.

43. Fruit of Mangifera indica is
(a) berry
(b) drupe
(c) capsule
(d) siliqua

44. A family delimited by type of inflorescence is
(a) Fabaceae
(b) Asteraceae
(c) Solanaceae
(d) Liliaceae

45. Syngenesious condition is found in
(a) Asteraceae
(b) Labiatae

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(c) Solanaceae
(d) Fabaceae.

(d) Underground tubers.

46. Vegetative reproduction of Agave occurs through
(a) rhizome
(b) stolon
(c) bulbils
(d) sucker

47. Velamen is found in
(a) roots of screwpine
(b) aerial and terrestrial roots of orchids
(c) leaves of Ficus elastica
(d) aerial roots of orchids.

48. In groundnut the food/oil reserve is present in
(a) epicarp
(b) mesocarp
(c) endosperm
(d) cotyledons

49. Tegmen develops from
(a) funiculus
(b) chalaza
(a) Inner integument
(b) Outer integument

50. Oil reserve of groundnut is present in
(a) embryo
(b) cotyledons
(c) endosperm

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