## NAAHAR PUBLIC SCHOOL(CBSE) SENIOR SECONDARY,

Ayyuragaram, Villupuram

## TERM-I 2022-23, SLIP TEST – III on Morphology of Flowering plants CLASS: XI – A1 Duration :30 mins.

Sub: BIOLOGY Tr. Initial: MHR / ATC	ΗΔΥΔ	Max. Marks: 30 Date: 28.10.2022		
		Date. 28.10.2022		
	SECTION – A	$A (60 \times \frac{1}{2} = 30)$		
1. Which of the following tap root?	tuberous root is a not a		I	
A. carrot	B. sweet potato	12. Pneumatophores are s	similar toin	
C. turnip	D. radish	function.		
		A. hydathodes	B. stomata	
2. Negative geotropic roots		C. tendrils	D. thorns	
A. Rhizophora	B. Maize			
C. Banyan D. Vanda		13. Lateral branches originate from the underground portion of the main stem in		
3. Cylindrical phylloclades	s are found in	A. Pistia	B. Chrysanthemum	
A. Opuntia	B. Euphorbia	C. Mint	D. Oxalis	
C. Cactus	D. All of these			
		14. Which of these stem modifications are seen in		
4. The placenta is in centre	e in which of these plants?	aquatic plants?		
A. Argemone	B. Marigold	A. runner	B. stolon	
C. Dianthus	D. Mustard	C. sucker	D. offset	
5. Identify the trimerous flower from the following		15. Which of these is a dicot seed with endosperm?		
options.	D. Claricas	A. Orchid	B. Castor	
A. Petunia	B. Gloriosa	C. Pea	D. Sorghum	
C. Sesbania	D. Trifolium	16 Phizoma which grow	va vartically is also called a	
6. Fibrous mesocarp is seen in a plant		16. Rhizome, which grows vertically is also called a A. Corm B. Stolon		
A. which has stony		C. Bulbil	D. Root stock	
B. which has only		C. Bulbii	D. Root stock	
C. which is dioecic		17 The structures that he	In granevines hold onto a	
D. All of these		17. The structures that help grapevines hold onto a support are called -		
D. All of these		A. Climbers	B. Tendrils	
7. Which of these is a med	icinal plant of potato	C. Creepers	D. Cork	
family?	lemai plant of potato	C. Creepers	D. Cork	
A. Ashwagandha	B. Petunia	18 Why are most of the s	seeds so hard and durable?	
C. Muliathi	D. Aloe	2	ring up of the tissues	
C. 1/2 <b>0</b> 2200	2.71.00	B. To protect the embryo		
8. Tendrils in pea are modi	fied .	C. To protect the		
A. axillary buds	B. terminal buds	D. To survive the winter season		
C. leaves	D. lateral buds			
		19. Keel is characteristic	of the flowers of	
9. Which of these options	is correct about the leaves	A. Gulmohur	B. Cassia	
at each node in Alstonia?		C. Calotropis	D. Petunia	
A. Each node has	one leaf			
B. Each node has two leaves		20. A flower is represen	ted by the following floral	
C. Each node has more than two leaves		formula – Br, $\%$ , $\updownarrow$ , K3+2, C(5), G(2). Which of the		
D. All options possible		following statement about the flower is correct?		
		A. The flower is a		
10. Cells are very small, thin-walled and with dense		B. The ovary is inferior		
protoplasm. Which region of root is this?		C. The flower has 6 petals		
A. region proximal to region of elongation		D. The flower is s	staminate	
B. region of root ca	-			
C. region above root cap		21. Which of the following cannot be determined by		
D. region where root hairs are present		observing a floral diagram		
		A. Aestivation of calyx and corolla		
11. Supporting roots of sugarcane arise from:			B. Position of ovary on the thalamus	
A. Lower nodes of stem		C. Placentation		
B. Radicle of seed	<u>,                                     </u>	D. Symmetry of t	tlower	
C. Aerial branches of stem				
D. Internodes of stem				

22. In some seeds, the endos of double fertilization, is Coconut water is the liquid r nourishes the young coconut life, delivering vital nu development of the solid coc the fruit. The coconut water coconut are equivalent to	afood storing tissue. reservoir of nutrientsthat a for a year or more ofits atrients for sustained conut meat found inside and the edible part of			
A. Mesocarp C. Endosperm D. Endosperm	ibryo docarp			
23. The correct match for the edible part of fruit is A. Guava - pericarp with thalamus fused B. Tomato - thalamus C. Maize - cotyledon D. Datepalm–epicarp				
24. What is the most important role of fruits?  A. To provide food for the embryo				
B. To protect the seed				
C. To attract animals which will help in dispersal of seeds				
D. None of the above				
25. The calyx is green in color since they originate from a leaf.				
A. True	B. False			
26. Axile placentation is pre-	sent in			
A. Pea				
C. Dianthus	D. Lemon			
27. In Nepenthes, the pitcher is a modified A. Leaf tip B. Leaf lamina C. Lower part of the petiole D. Upper part of the petiole				
28. The leaves without petio A. Sessile				
A. Sessile C. Rachis	D. Lamina			
29. Stolon is an example of				
A. Sub-aerial stem modification B. Underground stem modification				
C. Underground root modification				
D. Sub-aerial root m				
30. Tomato, brinjal, potato belong to which angiosperm plant family?				
• • • • • • • • • • • • • • • • • • • •	B. Liliaceae			
A. Solanaceae C. Fabaceae	D. Brassicaeae			
31. In Eichhornia, the purpos	se of stem modification			
A. Water storage B. Vegetative propagation C. Photosynthesis D. Defense				
32. The xylem tissue takes water from the roots to the leaves through the .				
A.Stem	B. Roots			
C Leaves	D. Branches			

33. A logical representation gives the details regarding	
A. Floral structuire C.Floral Formula	B. Infloresceence D. Anatomy
34. Scutellum in a caryops A. Outermost laye B. A sheath that p C. The place when raphe D. A cotyledon	er of endosperm
35. Which of the followin  A. Mango  C. Litchi	g is a Pome fruit? B. Apple D. Peach
36. Caryopsis is found in A. Sunflower C. Pea	B. Maize D. Datura
37. The fruit which is charthe inferior ovary and hass is	
A. Pomegranate C. Guava	B. Orange D. Cucumber
-	arise from floral meristem False
39. Long filamentous thre of a young cob of maize a	re
A. Hairs C. Styles	B. Anthers D. Ovaries
	B. Asteraceae
41. The correct floral form	
<sup>А.</sup> ⊕⊈ <sup>′</sup> К <sub>(5)</sub> С <sup>В.</sup> ⊕⊈ <sup>′</sup> К <sub>(5)</sub> С	
°. ⊕♀ <sup>*</sup> κ <sub>(5)</sub> (	
<sup>D.</sup> ⊕♀ K <sub>5</sub> C.	•
-	a flower bud, two are arecompletely external and

are and and external at the other. Which of the following is this type ofaestivation?

A. Imbricate B. Valvate C. Vexillary D. Quincuncial

43. A fleshy-fruit with leathery epicarp is called

A. Drupe B. Berry

C. Pome D. Hesperidium

- 44. The leaves are modified into spines in
  - A. Nepenthes
- B. Opuntia
- C. Australian acacia D. Utricularia
- 45. From the description given below, identify the type of plant modification. A thick horizontally growing stem which usually stores food material. It hasnodes and internodes, scale leaves, axillary buds, adventitious roots and aterminal bud.
  - A. Rhizome, underground stem modification
  - B. Rhizome, underground root modification
  - C. Tuber, underground stem modification
  - D. Sucker, underground stem modification
- 46. Which of the following form the growing part of the root?
  - A. The root cap
  - B. The apical meristem
  - C. Depending on the plant, either a or b
  - D. Both a and b
- 47. Pulses of daily use belong to the family
  - A. Solanaceae
- B. Fabaceae
- C. Liliaceae
- D. Poaceae
- 48.⊕ is the symbol that signifies that the flower is
  - A. Actinomorphic
- B. Zygomorphic
- C. Bisexual
- D. Bracteate
- 49. Juicy hair-like structures observed in lemon fruit develop from
  - A. Exocarp
- B. Mesocarp
- C. Endocarp
- D. Both (b) and (c)
- 50. In an exalbuminous seed
  - A. The endosperm is formed prior to fertilization
  - B.The endosperm is formed after fertilization and the mature seedlacks endosperm
  - C. The mature seed contains endosperm
  - D. Endosperm formation itself is absent
- 51. Mesocarp, endosperm and thalamus are edible, respectively in:
  - A. Apple, mango and coconut
  - B. Coconut, apple and mango
  - C. Coconut, mango and apple
  - D. Mango, coconut and apple
- 52. In an inflorescence where the flowers are borne laterally in an acropetal succession, the position of the youngest flower bud shall be
  - A. Top of the axis
  - B. Bottom of the axis
  - C. New bud grows in between an new and an old bud
  - D. None of the above

- 53. Venation is the term used to describe the pattern of arrangement of
  - A. Floral organs
  - B. Flowers in an inflorescence
  - C. Veins and vienlets in a lamina
  - D. Sepals or petals in a flower
- 54. Which of the following is an example of a compound leaf?
  - A. Banana leaf
- B. Maple leaf
- C. Palm leaf
- D. Mango leaf
- 55. An example of a palmate leaf is
  - A. Neem leaf
- B. Gulmohar leaf
- C. Banana leaf
- D. Clover leaf
- 56. Which among these is the tallest Angiosperm?
  - A. Australian Eucalyptus
- B. Banyan
- C. Silver Oak D. California Redwood
- 57. Spadix is the inflorescence of
  - A. Rice
- B. Banana
- C. Amaranthus
- D. Ficus
- 58. When storage roots occur in clusters from the base of the stem they are called
  - A. Fasciculated roots B. Nodulose roots
  - C. Annulated roots D. Beaded roots
- 59. Potato is included in Solanaceae family because
  - A. Flower is epipetalous
  - B. It is pentamerous
  - C. Ovary is slightly diverted from its position
  - D. All of the above
- 60. Roots that develop from parts of the plant other than the radicle are called
  - A. Taproots
- B. Adventitious roots
- C. Nodular roots
- D. Fibrous roots