



BIOLOGY

BOOKS - S DINESH & CO BIOLOGY (HINGLISH)

INFIORESCENCE

Multiple Choice Questions

1. Arrangement of flowers on the floral axis is

A. inflorescence

B. phyllotaxy

C. placentation

D. corymb

Answer: a



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2. pedicellate bisexual flowers borne acropetally on an elongated peduncle form an inflorescence called

A. spike

B. corymb

C. raceme

D. catkin

Answer: c



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3. the inflorescence of coriander is

A. umbel

B. corymb

C. typical receme

D. umbel of umbels.

Answer: d



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4. in a compound umbel,each umbellule is subtended by

A. involurce

B. involucl

C. bract

D. bracteole

Answer: b



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5. in candytuft, the inflorescence is

A. typical raceme

B. corymb

C. corymbose raceme

D. umbel

Answer: b



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6. pedicellate flowers arising from a single point form

A. umbel

B. cymose head

C. capituulam

D. verticillaster

Answer: a



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7. The whorl of bracts present below the inflorescence of Helianthus (sunflower) is

A. epicalyx

B. spathe

C. involucl

D. involucre.

Answer: d



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8. inflorescence consisting of sessile bisexual flowers arranged acropetally on an elongated axis is

A. spadix

B. catkin

C. Raceme

D. spike

Answer: d



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9. an inflorescence appearing like a flower which is not racemose is

A. umbel

B. corymb

C. cyathium

D. capitulum

Answer: c



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10. in which of the following, the growing point ends in a flower

A. raceme

B. verticillaster

C. catkin

D. spike

Answer: b



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11. verticillaster has

A. a typical has

B. condensed dichasial cymes

C. condensed polychasial cymes

D. a mixed spadix

Answer: d



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12. both hypanthodium and cyathium possess

A. unisexual flowers

B. bisexual sessile flowers

C. bisexual pedicellate flowers

D. sterile penucle

Answer: A



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13. raceme inflorescence having branched peduncle is

A. panicle

B. corymb

C. cormbose-raceme

D. spikelet

Answer: a



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14. in a raceme the flower arrangement is

A. basipetal

B. centripetal

C. centrifugal

D. acropetal

Answer: d



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15. the arrangement of flowers in sunflower (*Helianthus annuus*) is

- A. acropetal
- B. basipetal
- C. centrifugal
- D. centrifugal

Answer: c



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16. In florescence with unisexual sessile flower is

A. spike

B. spikelet

C. strobile

D. umbel

Answer: c



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17. glumes occur in

A. spike

B. spikelet

C. strobile

D. spadix

Answer: b



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18. multiparous cyme occurs in

A. jasminum

B. heliotropium

C. solanum nigrum

D. calotropis

Answer: d



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19. a scorpioid cyme having all the flowers in the same plane is

A. rhipidium

B. cincinnusq

C. dreponium

D. bostryx

Answer: a



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20. in anthocephalus the inflorescence is

A. raceme

B. cymose head

C. racemose head

D. corymb

Answer: b



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21. which one of the following has compound umbel

A. coriandrum

B. androsace

C. centella

D. morus

Answer: a



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22. a branching system of the plant bearing flowers is

A. deliquescence

B. inflorescence

C. placentation

D. cauliflory

Answer: b



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23. a branching system of the plant bearing flowers is

A. deliquescence

B. inflorescence

C. placentation

D. morus

Answer: b



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24. name the inflorescence in which the peduncle is extremely short and bears flowers of equal pedicel length

A. corymb

B. capitate

C. catkin

D. umbel

Answer: d



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25. spike occurs in

A. banana

B. mulberry

C. wheat

D. bottle brush

Answer: d



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26. inflorescence typical of family
gramineae/poaceae is

A. capitulum

B. spikelet

C. corymbose raceme

D. umbel

Answer: b



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27. in family compositae, the type of inflorescence is

A. capitulum

B. verticillaster

C. cyathium

D. hypanthodium

Answer: a



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28. cyathium is characterised by

- A. A central female flower
- B. several peripheral male flowers
- C. an involucre of fused bracts
- D. all the above

Answer: d



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29. which inflorescence has biparous cyme ending in uniparous cymes

A. cyathium

B. verticillaster

C. hypanthodium

D. strobile

Answer: b



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30. inflorescence is meant for

- A. bearing of flowers
- B. protection of delicate floral parts
- C. Ensuring cross pollination
- D. propre dispersal of seeds.

Answer: c



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31. involucre forms a cup around the inflorescence of

A. euphorbia

B. compositae

C. fig

D. corbra plant

Answer: a



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32. dichasial cyme occurs in

A. begonia

B. dianthus

C. calotropis

D. dorstenia

Answer: b



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33. a plant bearing solitary flowers is

A. brassica compertris

B. heloanthus annuus

C. hibiscus rosa-sinsensis

D. salvia officinalis

Answer: c



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34. a plant bearing solitary flowers is

A. yucca

B. pyrus

C. salvia

D. ficus

Answer: d



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35. in muberry ,the inflorescence is

A. spadix

B. catkin

C. spike

D. capitulum

Answer: b



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36. the florescence of mimosa is

A. globose head

B. racemose head

C. corymb

D. umbel

Answer: a



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37. the type of inflorescence in hamelia is

A. capitulum

B. scorpioid cyme

C. dichasial cyme

D. polychasial cyme

Answer: d



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38. A flask-shaped fleshy receptacle enclosing both the types of flowers is present in

A. cyathium

B. hypanthodium

C. coenanthium

D. spadix

Answer: b



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39. in banana, the inflorescence is

A. thyrsus

B. spadix

C. mixed spadix

D. cyme of capitula

Answer: c



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40. the female inflorescence of maize is

- A. spadix
- B. spike
- C. catkin
- D. corymb

Answer: a



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41. Development of flowers on old stems is an example of

A. coenanthium

B. cauliflory

C. solitary flowers

D. hypanthodium

Answer: b



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42. in a corymb, all the flowers

- A. arise from the same spot
- B. are covered by a sheath
- C. are brought to the same level
- D. are sessile

Answer: c



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43. which ones are related

A. dichasium and hypanthodium

B. verticillaster and spike

C. hypanthodium and catkin

D. umbel and corymb

Answer: d



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44. an inflorescence having sessile flowers, a flattened receptacle and an involucre of bracts is

A. capitulum

B. hypanthodium

C. umbel

D. spikelet

Answer: a



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45. inflorescence with unbranched axis is called

A. compound raceme

B. compound corymb

C. simple raceme

D. verticillaster

Answer: c



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46. corymb has

- A. long peduncle
- B. shorter peduncle
- C. no peduncle
- D. flattened peduncle

Answer: b



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47. spike has

A. pedicellate flowers

B. complete flowers

C. sessile flowers

D. unisexual flowers

Answer: C



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48. the inflorescence of *brassica campestris* is

A. raceme

B. corymb

C. corymbose raceme

D. spadix

Answer: c



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49. simple umbel has flower arrangement called

A. acropetal

B. centripetal

C. irregular

D. basipetal

Answer: b



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50. capitulum with two types of florets is called

A. homogamous

B. isogamous

C. heterogamous

D. anisogamous

Answer: c



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51. in helicoid cyme , the lateral flowers arise

A. on the same side

B. on alternate sides

C. in all the directions

D. from a common point

Answer: a



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52. rhipidium inflorescence is found in

A. petunia

B. drosera

C. salanum nigrum

D. jasminum

Answer: c



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53. capitulum has one or more whorls of called

A. involucl

B. involucre

C. exicalyx

D. cyathium,

Answer: b



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54. flower arrangement in biparous cyme is

A. centripetal

B. basipetal

C. acropetal

D. irregular

Answer: b



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55. in a cymose inflorescence, the peduncle ends in

A. a single flower

B. two flowers

C. many flowers

D. an appendage

Answer: a



56. cauliflory is

- A. production of new plants from cauline buds
- B. formation of flowers from old stem
- C. development of flowers on young branches
- D. clustering of flowers.

Answer: b



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57. cyathium is a type of

A. flower

B. fruit

C. inflorescence

D. phyllotaxy

Answer: C



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58. in cyathium , the ratio between female to male flowers is

A. one : one

B. one : many

C. many: one

D. many : many

Answer: B



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59. The flowers in the raceme/racemose are arranged

A. acropetally

B. basipetally

C. centripetally

D. centrifugally

Answer: a



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60. the inflorescence of grass/sedge/rice/family
gramineae is

A. spike

B. thyrsus

C. spikelet

D. raceme

Answer: c



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61. axis of the inflorescence is called

A. peduncle

B. thalamus

C. petiole

D. pedical

Answer: a



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62. the inflorescence is called

A. peduncle

B. thalamus

C. helicoid cyme

D. verticillaster

Answer: a



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63. opening/arrangement of flowers in a condensed cymose inflorescence is

A. centripetal

B. centripetal

C. basipetal

D. acropetal

Answer: a



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64. inflorescence consisting of a number of flowers arising from the same point with the same level at the top is

A. corymb

B. corymbose-raceme

C. capitulum

D. umbel

Answer: d



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65. inflorescence having a flattened axis, sessile flowers and a whorl of involucre bracts is

A. umbel

B. head/capitulum

C. corymb

D. raceme

Answer: b



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66. A biparous cyme ending in uniparous cymes constitutes

A. verticillaster

B. panicle

C. thyrsus

D. paniculate cyme

Answer: a



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67. an inflorescence which is not racemose and appears like a flower is

A. capitulum

B. cymose

C. spadix

D. polychasial cyme

Answer: b



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68. The most advanced type of inflorescence is

A. corymb

B. capitulum

C. spadix

D. polychasial cyme

Answer: b



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69. cyathium and hypanthodim types of inflorescence are similar in having

- A. nectar glands
- B. apical pore
- C. petaloid bracts
- D. unisexual flowers

Answer: d



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70. a number of sessile flowers grow on a suppressed penduncle forming a globose inflorescence called

A. catkin

B. corymb

C. umbel

D. capitate

Answer: d



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71. Inflorescence of family compositae is

A. capitulum

B. spadix

C. umbel

D. catkin

Answer: a



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72. spadix or inflorescence with spathe occurs
in

A. mulberry

B. banana

C. coriander

D. delonix

Answer: b



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73. Hypanthodium is a specialized type of

A. thalamus

B. fruit

C. inflorescence

D. ovary

Answer: c



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74. hypanthodium inflorescence is found in

A. coriander

B. sunflower

C. cauliflower

D. fig

Answer: d



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75. an edible inflorescence is

A. raphanus sativus

B. brassica aleracea

C. brassica rapa

D. mustard

Answer: b



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76. umbel inflorescence occurs in

A. coriandrum

B. colocasia

C. musa

D. sunflower

Answer: a



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77. number of female flowers in a cyathium I

A. 1

B. 2

C. 3

D. several

Answer: a



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78. which type of inflorescence occurs in ficus

A. verticillaster

B. hypanthodium

C. cymose

D. raceme

Answer: b



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79. spike with unisexual flowers/catkin occurs
in

A. mulberry

B. grass

C. wheat

D. callistemon

Answer: a



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80. The edible part of cauliflower is

A. bud

B. bract

C. inflorescence

D. leaves

Answer: c



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81. inflorescence is collection of

A. petals

B. stamens

C. flowers

D. carpels

Answer: c



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82. what is wrong?

A. head inflorescence is found in sunflower

B. cyanthium is inflorescence of labiatae

C. smilax has stipular tendrils

D. rafflesia is total parasite

Answer: b



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83. capitulum inflorescence is found in

A. malvaceae

B. papilionaceae

C. liliaceae

D. compositae

Answer: d



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84. inflorescence in which flowers developing from different places of the peduncle reach the same level, is

A. catkin

B. corymb

C. umbel

D. raceme

Answer: b



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85. in catkin, the flowers are

- A. unisexual and sessile
- B. bisexual and sessile
- C. unisexual and pedicellate
- D. bisexual and pedicellate.

Answer: a



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86. an inflorescence having a number of achlamydeous male flowers surrounding a single achlamydeous female flower is

A. verticillaster

B. cyanthium

C. spadix

D. hypanthodium

Answer: b



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87. rhipidium inflorescence of solanum nigrum
is

A. modified scorpioid cyme

B. helicoid cyme

C. capitulum

D. multiparous cyme

Answer: a



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88. whorl of small green structures present around sunflower is

A. epicalyx

B. calyx

C. leaves

D. involucre.

Answer: d



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89. inflorescence of jowar is

- A. spike of spikelets
- B. panicle of spikelets
- C. capitulum
- D. verticillaster

Answer: b



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90. in cyathium , the ratio between female to male flowers is

A. hypanthodium

B. cyathium

C. catkin

D. verticillaster

Answer: b



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91. verticillaster inflorescence occurs in

A. lamiaceae/labiatae

B. brassicaceae/cruciferae

C. compositae/asteraceae

D. solanceae

Answer: a



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92. all the florets are disc florets in

A. launea

B. vernonia

C. sunflower

D. tridax

Answer: b



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93. In florescence with unisexual sessile flower
is

A. spike

B. spikelet

C. catkin

D. spadix

Answer: c



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94. inflorescence of sunflower is

A. umbel

B. cyathium

C. hypanthdium

D. capitulum

Answer: d



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95. what is true ?

A. umbel is racemose inflorescence where
stalked flowers aggregate on a flat

receptacle

B. in raceme the main axis is shortened and

flowers are borne acropetally

C. spadix is a racemose inflorescence

having sessile flowers

D. spike is a racemose inflorescence having

sessile flowers.

Answer: d



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96. select the correct combination of inflorescences

A. simple raceme, corymb, umbel simple cyme

B. simple raceme, spadix, spike, catkin

C. cyathium, verticillaster, hypanthium, catkin

D. capitulum, globose head, verticillaster, catkin.

Answer: b



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97. reaceme inflorescence occurs in

A. curcurbita

B. delonix

C. euphorbia

D. begonia

Answer: b



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98. which is nearest to corymb

A. umbel

B. capitulum

C. cyathium

D. hypanthodium

Answer: a



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99. Elongated peduncle bearing pedicellate flowers continuously acropetal order is

A. corymb

B. umbel

C. raceme

D. head

Answer: c



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100. which is not a correct match

- A. catkin - mulberry
- B. capitulum-sunflower
- C. corymb-candytuft
- D. raceme-wheat

Answer: d



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101. capitulum inflorescence occurs in

A. salvia

B. euphorbia

C. marigold

D. jasminum

Answer: c



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102. compare the columns and find out the correct combination

Column I	Column II
(a) Gall flowers	(i) Spikelet
(b) Involucre	(ii) Hypanthodium
(c) Spathe	(iii) Cyathium
(d) Lemma	(iv) Umbel
	(v) Spadix

A. a - ii, b-iv, c-v,d-iii

B. a-ii,b-iii,c-v,d-i

C. a-iii,b-iv, c-ii,d-v

D. a-iii,b-iv,c-ii,d-i

Answer: b



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103. characteristic bracts associated with spikelet inflorescence of grasses are

A. involucral bracts

B. glumes

C. pappus

D. spathes

Answer: b



104. find out the correct sequece in the labelling of diargram



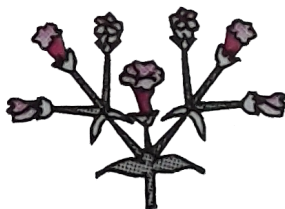
a



b



c



d

A. a- spike , b-raceme,c-dichasial cyme, d-monochasial cyme

B. a - spike , b-dichasial cyme, c-monochasial cyme, d-dichasial cyme

C. a-raceme, b-spike , c-monochasial cyme, d-dichasial cyme

D. a-dichasial cyme,b-monochasial cyme,c-raceme,d-spike

Answer: c



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105. spadix inflorescence is charcteristic feature of

A. colocaisa

B. plam

C. banana

D. all the above

Answer: d



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106. scopioid cyme occurs in

A. hamelia

B. nerium

C. heliotropium

D. clerodendron

Answer: c



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107. capitulum inflorescence does not occur in

Column I		Column II	
(a) Spike	(i)	<i>Bougainvillea</i>	
(b) Capitulum	(ii)	<i>Coleus</i>	
(c) Dichasial cyme	(iii)	<i>Adhatoda</i>	
(d) Multiparous cyme	(iv)	<i>Zinnia</i>	
(e) Verticillaster	(v)	<i>Asclepias</i>	

A. Dahlia

B. sunflower

C. marigold

D. china rose

Answer: d





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108. match the columns and select the correct options

A. a-3, b-4,c-1,d-5 ,e-2

B. a-3,b-1,c-4,d-5,e-2

C. a-2,b-4,c-1,d-5,e-2

D. a-4,b-2,c-5,d-1,e-3

Answer: a



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109. study the following table and find the correct pair

A. false whorl-like inflorescence - many sessile bisexual flowers-leonotis

B. single flower-like inflorescence, -many stalked staminate and pistillate flowers-poinsettia

C. fruit-like inflorescence-many sessile, staminate flowers on

top, pistillate flowers at base and sterile

flowers in between - ficus

D. fleshy axis of inflorescence - many stalked,

staminate flowers at base, pistillate

flowers on top and sterile flowers in

between - colocasia.

Answer: c



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110. find the correct match

Column I	Column II
(a) Gall flowers	(i) <i>Theobroma</i>
(b) Sympoidal axis	(ii) <i>Bougainvillea</i>
(c) Achlamydeous	(iii) <i>Ficus</i>
(d) Cauliflory	(iv) <i>Euphorbia</i>
	(v) <i>Hamelia</i>

A. a-3,b-5,c-1,d-2

B. a-3,b-4,c-2,d-1

C. a-3,b-4,c-1,d-2

D. a-3,b-5,c-4,d-1

Answer: d



111. in an inflorescence two types of centripetally arranged sessile flowers with hair- like sepals occurs. which one is not associated with them

(a) nectar glands at base of corolla

(b) axile placentation

© superior ovary

(d) scaly bracts.

A. b and c

B. c and d

C. a and b

D. a and b

Answer: a



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112. verticillaster type of inflorescence occurs in

A. cotton

B. datura

C. leucas

D. ocimum

Answer: d



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113. what the inflorescence is found in the diagram



A. cyathium

B. dichasial cyme

C. umbel

D. panicle

Answer: a



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114. A student observed 34 inflorescences in Bougainvillea and 42 inflorescences in Poinsettia. Find out the number of flowers in Bougainvillea and the number of female flower in Poinsettia, respectively

A. 34126

B. 204164

C. 102,42

D. 68 indefinite.

Answer: c



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115. The inflorescence in cauliflower is

A. corymb

B. catkin

C. umbel

D. compound corymb

Answer: d



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116. inflorescence of cauliflower is found in

A. solanum

B. sesbania

C. trifolium

D. braccsica

Answer: a



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117. Entry of pollen tube into ovule through chalaza was first discovered by treub in a xerophyte. The plant is associated with a pair flowers

(i) unisexual flowers

(ii) sessile flowers

(iii) centripetal arrangement of flowers

(iv) bisexual flowers. The correct pair is

A. ii and iii

B. iii and iv

C. ii and iv

D. I and ii

Answer: d



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118. the type of inflorescence in a plant showing polygamous condition and lateral style is

A. compound corymb

B. compound umbelq

C. compound head

D. compound raceme

Answer: a



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119. Inflorescence is racemose in

A. tulip

B. aloe

C. soyabean

D. brinjal

Answer: b



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120. In a cymose inflorescence the main axis

A. bears a solitary flower

B. has unlimited growth but lateral
branches end in flowers

C. terminates in a flower

D. has unlimited growth

Answer: c



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121. flower showing basipetal succession are observed in

A. caesalpinia and clerodendron

B. jasmine and gold mohar

C. gold mohar and caesalpinia

D. celerodendron and jasmine.

Answer: d



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122. the inflorescence in coconut plant is

A. compound spadix

B. hypanthodium

C. cyathium

D. vesti cillaster.

Answer: a



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123. identify the right combination

A. carrot-tuberous root- head inflorescence

B. onion-bulb-corymb

C. colocasia-Rhizome-spadix

D. bougainvillea-thorns-cymula.

Answer: d



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124. ratio between number of stamens in male flower and number of carpels in female flowers in Euphorbia is

A. 2: 1

B. 2: 3

C. 1: 1

D. 1: 3

Answer: d



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125. match and find the correct option

I

- (a) Solitary cyme
- (b) Monochasial cyme
- (c) Cymule
- (d) Polychasial cyme

II

- (i) *Solanum*
- (ii) *Ipomoea*
- (iii) *Datura*
- (iv) *Nerium*

- (A) a-i, b-iii, c-v, d-iv
- (B) a-iii, b-i, c-v, d-ii
- (C) a-iii, b-iv, c-v, d-ii
- (D) a-iii, b-i, c-iv, d-v.

A. a-I,b-iii,c-v,d-iv

B. a-iii,b-I,c-v,d-ii

C. a-iii,b-iv,c-v,d-ii

D. a-iii,b-I,c-iv,d-v

Answer: d



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126. this shows compound inflorescence

A. sunflowerq

B. zinnia

C. marigold

D. neem

Answer: d



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Check Your Grasp

1. inflorescence is thyrses/thyrsus in

A. lantana

B. grape

C. jasminum

D. echinops

Answer:



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