# 5 S-ORRBIT 

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# MARPHOLOGY OF FLOWERING PLANT MOST IMPORTANT QUESTION PAPER 

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1. Roots that grow from any other part of the plant other than the radicle are called
(a) taproots
(b) adventitious roots
(c) prop roots
(d) epiphytic roots
2. A large globular root that tapers sharply at the lower end is called
(a) fusiform
(b) napiform
(c) conical
(d) tuberous
3. The roots that have swellings at regular intervals are called
(a) nodulose
(b) fasciculated
(c) moniliform
(d) tuberous

4, Massive aerial roots present in a Banyan tree is
(a) fibrous
(b) respiratory
(c) epiphytic
(d) prop roots
5. Plants growing in swamps have roots that grow vertically upwards like conical spikes and have aerating pores. Such roots are called
(a) pneumatophores
(b) mycorrhizal
(c) conical
(d) assimilatory
6. The roots of the parasitic plant Cuscuta are of
(a) climbing
(b) prop or stilt
(c) mycorrhizal
(d) haustoria
7. A short, vertical underground stem that contains the food reserve is called
(a) rhizome
(b) bulb
(c) corm
(d) tuber
8. Ginger is an example of
(a) rhizome
(b) bulb
(c) corm
(d) tuber
9. A long green stem with long internodes growing horizontally on the soil surface is called
(a) runner
(b) sucker
(c) stolon
(d) offset
10. A short, green, flattened branch resembling a leaf arising from the axil of a reduced scale leaf is called
(a) phylloclade
(b) cladode
(c) phyllode
(d) stipule
11. When many equally strong veins like midrib arise from the petiole towards the margin of the leaf forming a network, the leaf is said to
(a) reticulate pinnate
(b) reticulate palmate
(c) parallel pinnate
(d) parallel palmate
12. In a pitcher plant, the pitchers are modified
(a) fruits
(b) branches
(c) petioles
(d) leaves
13. The sharp spines in cactus are modified
(a) leaflets
(b) leaves
(c) branches
(d) thorns
14. The tendrils of the pea plant Pisum are modifications of
(a) branch
(b) axillary bud
(c) leaf
(d) apical bud
15. When the leaflets are joined together at a common point at the petiole, the leaf is
(a) simple leaf
(b) pinnately compound leaf
(c) palmately compound leaf
(d) a branch
16. Phyllotaxy refers to an arrangement of
(a) phloem in a vascular bundle
(b) leaves on a branch
(c) veins in a leaf
(d) axillary buds in a plant
17. A flower that has only stamens is called
(a) unisexual flower
(b) bisexual flower
(c) complete flower
(d) neuter flower
18. A flower with a superior ovary is called
(a) hypogynous
(b) perigynous
(c) epigynous
(d) syncarpous
19. An inflorescence with the main axis elongated bearing flowers in a pendulous axis is called
(a) raceme
(b) spike
(c) catkin
(d) spadix
20. On maturity, an ovule forms a
(a) seed
(b) fruit
(c) embryo sac
(d) endosperm
21. Pineapple is an example of
(a) simple fruit
(b) aggregate fruit
(c) multiple fruits
(d) false fruit
22. Monocarpellary, superior ovary is found in
(a) Liliaceae
(b) Poaceae
(c) Solanaceae
(d) Fabaceae
23. Tricarpellary, the syncarpous condition is found in
(a) Liliaceae
(b) Poaceae
(c) Solanaceae
(d) Asteraceae
24. Family Fabaceae has
(a) 4 corolla
(b) 5 corolla
(c) 6 corolla
(d) none of these
25. Which of the following plant parts elongates directly and leads to the formation of primary roots?
(a) bud
(b) radicle
(c) plumule
(d) root hair
26. The primary roots and their branches constitute the
(a) fibrous root system
(b) taproot system
(c) adventitious root system
(d) all of the above
27. The fibrous root system is found in
(a) monocotyledonous plants
(b) dicotyledonous plants
(c) bryophytes
(d) gymnosperms
28. Roots develop from parts of the plant other than radicle are called
(a) taproots
(b) fibrous roots
(c) adventitious roots
(d) nodular roots
29. Root hairs develop from
(a) region of maturation
(b) region of elongation
(c) region of meristematic activity
(d) root cap
30. The part of the root which is most active in water absorption is called
(a) root cap
(b) maturation zone
(c) meristematic zone
(d) zone of elongation
31. Fibrous roots develop in maize from
(a) upper nodes
(b) lower nodes
(c) upper internodes
(d) none of these
32. Prop roots of the banyan tree are meant for
(a) respiration
(b) absorption of water from the soil
(c) providing support to the big tree
(d) all of the above

## 33. Stilt roots occur in

(a) groundnut
(b) rice
(c) sugarcane
(d) wheat

## 34. Pneumatophores are found in

(a) the vegetation which is found in marshy and saline lake
(b) the vegetation which is found in saline soil
(c) xerophytic condition
(d) hydrophytic condition
35. Which of the following plants grow in swampy areas, where the roots come out of the ground and grow vertically upwards?
(a) Potato
(b) Opuntia
(c) Rhizophora
(d) Grass
36. Root differs from the stem in having
(a) nodes and internodes
(b) axillary buds
(c) multicellular hairs
(d) unicellular hairs
37. Which of the following plant parts is generally green when young and later often become woody and dark brown?
(a) stem
(b) seed
(c) leaves
(d) flower
38. The regions of the stem where leaves are borne are called _ while _ are the portions between two _
(a) nodes, nodes, and internodes
(b) nodes, internodes, and nodes
(c) internodes, nodes, and nodes
(d) internodes, internodes, and nodes
39. Which of the following plant groups has underground stems?
(a) Potato, ginger, turmeric, Euphorbia, zaminkand
(b) Potato, ginger, turmeric, zaminkand, Colocasia
(c) Potato, Citrus, Opuntia, zaminkand, Colocasia
(d) Potato, cucumber, watermelon, zaminkand, Colocasia
40. Stem tendrils can be found in
(a) cucumber
(b) pumpkins
(c) grapevines
(d) all of these
41. What is a modified stem used to protect plants from browsing animals?
(a) Tendrils
(b) Thorns
(c) Rhizome
(d) Tuber
42. Fibrous root in maize develop from
(a) Lower internodes
(b) Lower nodes
(c) Upper nodes
(d) None of the above
43. Which of the following plants have root pockets?
(a) Eichhorinia
(b) Capparis
(c) Opuntia
(d) Banyan
44. In which of the following, the plants have all roots?
(a) Podostemon
(b) Lemna
(c) Wolffia
(d) Utricularia
45. Food present in bulbil occurs in
(a) Root
(b) Stem
(c) Leaf base
(d) Petioles
46. From which part of the root, root hairs develop?
(a) Region of maturation
(b) Region of elongation
(c) Meristematic region
(d) Region of root cap
47. Epiphytic roots are found in
(a) Indian rubber
(b) Orchid
(c) Tinospora
(d) Cuscuta
48. Potatoes are borne on
(a) Primary roots
(b) axil of scaly leaves
(c) Lateral roots
(d) Adventitious roots
49. Some plants have rhizomes and roots as underground structures. Which characteristics of rhizome would distinguish them from roots?
(a) Rhizomes are thicker than roots
(b) Rhizomes have scaly leaves
(c) Rhizome are thinner than roots
(d) None of the above
50. Sweet potato is a modification of
(a) Primary root
(b) leaf
(c) underground root
(d) Adventitious root
51. Roots are differentiated into adventitious roots by their
(a) Function
(b) appearance
(c) place of origin
(d) position
52. Winged petiole is found in
(a) citrus
(b) acacia
(c) radish
(d) peepal
53. In one of the following the stem performs the function of storage and propagation
(a) Ginger
(b) Wheat
(c) Radish
(d) Groundnut
54. Leaves are attached to the stem at
(a) Apical meristem
(b) Internode
(c) Nodes
(d) Axillary meristem

## 55. Phyllotaxy refers to

(a) Arrangement of leaves on the stem
(b) Folding leaf in the bud
(c) (a) $\&$ (b) both
(d) None of the above
56. Plants with jointed stem and hollow internodes are known as
(a) Clums
(b) Scape
(c) Ephemerals
(d) Lianas
57. Bulbils take part in
(a) Sexual reproduction
(b) Respiration
(c) Transpiration
(d) Vegetative reproduction
58. The stem is very much reduced in
(a) Tuber
(b) Bulb
(c) Corm
(d) Rhizome
59. Turmeric is a stem and not a root because
(a) It stores food material
(b) It grows parallel to the soil surface
(c) It has nodes and internodes
(d) It has chlorophyll
60. Grasses are examples of the following type of stem
(a) Suckers
(b) Runners
(c) Stolon
(d) Rhizomes
61. Red root is the name of
(a) Carrot
(b) Sweet potato
(c) Potato
(d) Beetroot
62. Tiny sacs or bladders are found in
(a) Utriculariya
(b) Salvinia
(c) nepenthes
(d) Hydrilla
63. Which would do maximum harm to a tree? The loss of
(a) Half of its branches
(b) All of its leaves
(c) Half of its flower
(d) Half of its bark
64. Smallest dicotyledonous parasitic plant of the world is
(a) Coryadalis nana
(b) Primula minutissina
(c) Arcethobium minustissimum
(d) Marsilea minuta
65. Adventitious roots
(a) Develop from radical
(b) Develop from flower
(c) Develop from embryo
(d) Develop from any part of plant body except radical
66. The arrangement of leaves on a stem is called
(a) Venation
(b) Vernation
(c) Phyllotaxy
(d) Axis
67. Stem modified into flattened photosynthetic structure is
(a) Phyllode
(b) Bulbil
(c) Phylloclade
(d) Tendril
68. Nodulated roots occur in
(a) Leguminoceae
(b) Solanaceae
(c) Malvaceae
(d) Papilionaceae
69. Insectivorous plants catch insects for obtaining
(a) $\mathrm{Na}-\mathrm{K}$
(b) Taste
(c) Phosphorus
(d) Nitrogen
70. Petiole is modified into tendril in
(a) Passiflora
(b) Gloriosa
(c) Pisum
(d) clematis
71. Thorn is a stem structure because it
(a) Develops from the trunk
(b) Develops from the apical bud
(c) modification of bank floral bud
(d) is pointed

SHOW ANSWER
72. Vegetative reproduction of Agave occurs through
(a) Rhizome
(b) Stolon
(c) Bulbils
(d) Sucker
73. What is the eye of a potato?
(a) Axillary bud
(b) Accessory bud
(c) Adventitious bud
(d) Apical bud
74. If a raceme inflorescence is branched, it is called?
(a) Umbel
(b) spike
(c) Cymose
(d) Panicle
75. Zig-zag development of inflorescence axis is an example of
(a) Helicoid cyme
(b) Scorpioid
(c) Umbel
(d) Compound umbel
76. Opposite decussate phyllotaxy is found in
(a) Calotropis
(b) Mango
(c) Hibiscus
(d) Nerium
77. A brightly coloured bract-like covering associated with the banana inflorescence is called
(a) Spathe
(b) Scape
(c) Spiral
(d) Scapigeron
78. Inflorescence is
(a) Number of flower present on an axis
(b) Arrangement of flowers on an axis
(c) Method of the opening of a flower
(d) Type of flower borne on a peduncle
79. In monocot male gametophyte is
(a) Megaspore
(b) Nucleus
(c) Microspore
(d) Tetrad
80. A catkin of the unisexual flower is found in
(a) Mulberry
(b) Wheat
(c) Onion
(d) Grass

## 81. Flower is a

(a) Modified cone
(b) Modified spike
(c) Modified branch system
(d) Modified reproductive shoot
82. Flowers are always present in
(a) Cryptogamous
(b) Pteridophytes
(c) Angiosperms
(d) Bryophytes
83. Floral formula represents
(a) number and arrangement of floral parts
(b) Number of flowers in an inflorescence
(c) Type of flowers in a family
(d) None of above
84. From the life cycle point of view, the most important part of plants is
(a) Flower
(b) Leaf
(c) Stem
(d) Root
85. The vexillum, (standard) wings, and keel in pea flowers constitute
(a) Calyx
(b) Corolla
(c) Androecium
(d) Gynaecium
86. Diadelphous condition is present on
(a) Citrus
(b) Bombyx
(c) Pisum
(d) Brassica
87. The number of female flowers in a cyathium is
(a) One
(b) Two
(c) Three
(d) Many
88. The perianth is found in a flower in which
(a) Calyx and Corolla are not distinguishable
(b) Stamens are leaf like
(c) Corolla leaf-like but the calyx is colored
(d) None of the above
89. Stamens with free anthers but filaments fused into several groups are
(a) Polyadelphous
(b) Diadelphous
(c) Monadelphous
(d) Syngenesious
90. Pappus is a modification of
(a) Calyx
(b) Corolla
(c) Stamens
(d) Gynoecium
91. Placentation in legumes is
(a) Basal
(b) Marginal
(c) Axile
(d) Free central
92. The leaves are modified into tendrils, hooks, pitcher, and bladder in the following plants respectively
(a) sweet pea, bignonia, Nepenthes, Utricularia
(b) sweet pea, bignonia, Utricularia, Nepenthes,
(c) Nepenthes, bignonia, sweet pea, Utricularia
(d) Utricularia, Nepenthes, bignonia, sweet pea
93. Leaf apex is modified into tendril in
(a) Smilax
(b) Gloriosa
(c) Australian acacia
(d) Pea
94. A fibrous root system is better adapted than a tap root system for
(a) Storage food
(b) Anchorage of the plant to soil
(c) Absorption of water and organic food
(d) Transport of water and organic food
95. Which is not a stem modification?
(a) Rhizome of Ginger
(b) Corm of Colocasia
(c) Pitcher of Nepenthes
(d) tuber of the potato
96. A pair of insectivorous plants are
(a) Dionaea and Viscum
(b) Nepenthes and bladderwort
(c) Drosera and rafflesia
(d) Venus fly and Rafflesia
97. A phyllode is a modified
(a) leaf
(b) stem
(c) root
(d) branch
98. An underground specialized shoot with a reduced disc-like stem covered by fleshy leaves is
(a) bulb
(b) Rhizome
(c) rhizophore
(d) bulbil
99. Stipular tendril modification is found in
(a) Smilex
(b) Pea
(c) Guava
(d) Mimosa pudica
100. Viscum is
(a) total stem parasite
(b) total root parasite
(c) partial stem parasite
(d) partial root parasite
101. Root pocket does not occur in
(a) Ipomoea
(b) Mangrove plants
(c) trapa
(d) pistia

## 102. Phylloclades are

(a) leaf modification
(b) one internode and long stem
(c) modified petioles
(d) green succulent stem of indefinite growth
103. The bladder of Utricularia and Pitchers of nepenthes are modifications of
(a) leaves
(b) stems
(c) root
(d) flowers

## 104. Tallest gymnosperm

(a) sequoia
(b) Eucalyptus
(c) Pinus
(d) Rannuncoulus

## 105. The "Eyes" of the potato tuber is

(a) Root buds
(b) Flower buds
(c) Shoot bud
(d) Axillary buds
106. Vexillary aestivation is characteristic of the family
(a) Asteraceae
(b) Solanaceae
(c) Brassicaceae
(d) Fabaceae
107. Mangrove plant live in
(a) Alpine Tundra
(b) Tundra
(c) Marshy areas along rivers
(d) Marshy areas along the seashore
108. Succulents are likely to be found in
(a) Tropical rain forest
(b) Deciduous forest
(c) Deserts
(d) Tundra
109. In a compound umbel, each umbellate is subtended by
(a) Involucre
(b) Bracket
(c) Involucel
(d) Bracteole
110. In the monocotyledonous seeds, the endosperm is separated from the embryo by a distinct layer known as
(a) testa
(b) epithelial layer
(c) tegmen
(d) scutellum
(e) coleoptile
111. The fleshy receptacle encloses a number of
(a) Berries
(b) achene
(c) Unisexual flower
(d) Samaras
112. The ovary is half inferior in flowers of
(a) Peach
(b) Cucumber
(c) Cotton
(d) Guava
113. Which one of the following statements is correct?
(a) In tomato, fruit is capsule
(b) Seeds of orchids have oil-rich endosperm
(c) Placentation in primrose is basal
(d) Flower of tulip is a modified shoot.
114. Flowers are zygomorphic in
(a) Mustard
(b) Gulmohar
(c) Tomato
(d) Datura
115. Phyllode is present in
(a) Euphorbia
(b) Australian Acacia
(c) Opuntia
(d) Asparagus
116. Cymose inflorescence is present in
(a) Sesbania
(b) Trifolium
(c) Brassica
(d) Solanum
117. The seed can be defined as
(a) An immature embryo protected by coats
(b) A mature ovule with a dormant embryo with enough reserve food and a
protective coating.
(c) A mature spore with enough reserve food and protective coatings
(d) A mature ovary with reserve food and protective coverings
118. In the maize grain, the starchy food is stored in
(a) Cotyledons
(b) Coleoptile
(c) Aleurone layer
(d) Endosperm
119. Which one of the following is not fruit?
(a) Cabbage
(b) Apple
(c) Watermelon
(d) Tomato

## 120. What is the edible part of Mango?

(a) Epicarp
(b) Mesocarp
(c) Endocarp
(d) Thalamus
121. A fruit in which the fruit wall (pericarp) and seed coat have got fused is called
(a) Legume
(b) caryopsis
(c) nut
(d) drupe

## 122. A composite or multiple fruits develop from

(a) Polycarpellary ovary
(b) Bicarpellary and syncarpous ovary
(c) Apocarpous ovary
(d) Inflorescence
123. Wheat grain is an example of :
(a) Achene
(b) Caryopsis
(c) Nut
(d) Follicle
124. Which fruit is a type of nut?
(a) Ground nut
(b) Oat
(c) Walnut
(d) Cashew nut

## 125. What is the edible part of coconut?

(a) Entire seed
(b) Fruit wall
(c) Endosperm
(d) None of the above

## 126. Water inside a coconut is

(a) Liquid endosperm
(b) Liquid endocarp
(c) Liquid Mesocarp
(d) Liquid Nucleus
127. False fruit is a fruit that develops from:
(a) Ovary
(b) Any part of the flower except the ovary
(c) Aporcarpous carpellary
(d) Syncorpous carpellary

## 128. Fibers are found on the seeds of:

(a) Calotropis
(b) Gossypium
(c) Alstonia
(d) All of above
129. Which is the correct pair for an edible part?
(a) Tomato - Thalamus
(b) Maize - Cotyledons
(c) Guava - Mesocarp
(d) Date palm- Pericarp
130. How many plants in the list given below have composite fruits that develop from an inflorescence?
Walnut, poppy, radish, pineapple, apple, tomato, mulberry.
(a) Five
(b) Two
(c) Three
(d) Four
131. A characteristic of angiosperm is
(a) Flower
(b) Root
(c) Seed
(d) All of these
132. The capacity for vegetative reproduction is found in
(a) Leaves
(b) Roots
(c) Stem
(d) All of above
133. _ are the vegetative organs of the flowering plants
(a) Root, stem, flower
(b) Leaves, stem, fruits
(c) Roots, leaves, flowers
(d) Roots, stem, leaves
134. A root can be differentiated from the stem because of the absence of
(a) Green colour
(b) Nods and internodes
(c) Hair
(d) Branches
135. Which one of the following is not a characteristic of the root
(a) Presence of root tap
(b) Presence of unicellular hair
(c) Presence of chlorophyll
(d) Absence of buds
136. When the trunk is unbranched and bears a crown of leaves at its apex, it is known as
(a) Runner
(b) Sucker
(c) Caudex
(d) Culm
137. Parallel venation is a characteristic of
(a) Legumes
(b) Grasses
(c) Parasitic plants
(d) Xerophytic plants
138. Leaf morphology helps in
(a) Plant identification
(b) Plant classification
(c) None of these
(d) (a) \& (b) both
139. When the stem or its branch ends into a floral bud
(a) Vegetative growth starts
(b) Reproductive growth starts
(c) Lateral branch is given out
(d) Apical growth is stimulated
140. The root that grows from any part of the plant body other than the radical is called?
(a) Tap root
(b) Adventitious root
(c) Modified roots
(d) Aerial roots
141. _ require more than two growing seasons to complete their life cycle
(a) Annual
(b) Perennials
(c) Biennials
(d) Herbs
142. Modified stem of _ protect the plant from grazing animal
(a) Datura festuosa
(b) Aloe vera
(c) Gloriosa superba
(d) Carissa carandus
143. Which of the following is actually not a flower?
(a) Shoe flower
(b) Sun flower
(c) Rose
(d) Pea
144. The beauty of the Bougainvillea flower is
(a) Corolla
(b) Calyx
(c) Bracts
(d) Androecium
145. Flower in which the only set of one essential organ develops is called
(a) Unisexual
(b) Monoecious
(c) Dioecious
(d) Polygamous
146. Individual components of Perianth are called
(a) Sepals
(b) Petals
(c) Tepals
(d) Brackets

## 147. Brinjal show which calyx

(a) Pappus
(b) Deciduous
(c) Caduceus
(d) Persistent

## 148. The hairs present in maize corn cob are

(a) Styles
(b) Stigma
(c) Seed hairs
(d) Modified hairs of bracts

## 149. Seed is :

(a) Fertilized embryo
(b) Fertilized ovary
(c) Fertilized fruit
(d) Fertilized ovule
150. A pome fruit is said to be false because
(a) The pericarp is inconspicuous
(b) The endocarp is cartilaginous
(c) The fruit is present in fleshy edible thalamus
(d) The fruit is derived from an inferior ovary

## ANSWER KEY

| $1-B$ | $2-B$ | $3-C$ | $4-D$ | $5-A$ |
| :--- | :--- | :--- | :--- | :--- |
| $6-D$ | $7-C$ | $8-A$ | $9-A$ | $10-B$ |
| $11-B$ | $12-D$ | $13-B$ | $14-C$ | $15-C$ |
| $16-B$ | $17-A$ | $18-A$ | $19-C$ | $20-A$ |
| $21-A$ | $22-D$ | $23-A$ | $24-B$ | $25-B$ |
| $26-B$ | $27-A$ | $28-C$ | $29-A$ | $30-B$ |


| $31-B$ | $32-C$ | $33-C$ | $34-A$ | $35-C$ |
| :--- | :--- | :--- | :--- | :--- |
| $36-D$ | $37-A$ | $38-B$ | $39-B$ | $40-D$ |
| $41-B$ | $42-B$ | $43-A$ | $44-A$ | $45-C$ |
| $46-B$ | $47-B$ | $48-B$ | $49-B$ | $50-D$ |
| $51-C$ | $52-A$ | $53-A$ | $54-C$ | $55-A$ |
| $56-A$ | $57-D$ | $58-B$ | $59-C$ | $60-B$ |


| $61-\mathrm{D}$ | $62-\mathrm{A}$ | $63-\mathrm{B}$ | $64-\mathrm{C}$ | $65-\mathrm{D}$ |
| :--- | :--- | :--- | :--- | :--- |
| $66-\mathrm{C}$ | $67-\mathrm{C}$ | $68-\mathrm{A}$ | $69-\mathrm{D}$ | $70-\mathrm{D}$ |
| $71-\mathrm{D}$ | $72-\mathrm{C}$ | $73-\mathrm{A}$ | $74-\mathrm{D}$ | $75-\mathrm{A}$ |
| $76-\mathrm{A}$ | $77-\mathrm{A}$ | $78-\mathrm{B}$ | $79-\mathrm{C}$ | $80-\mathrm{A}$ |
| $81-\mathrm{D}$ | $82-\mathrm{C}$ | $83-\mathrm{A}$ | $84-\mathrm{A}$ | $85-\mathrm{B}$ |
| $86-\mathrm{C}$ | $87-\mathrm{A}$ | $88-\mathrm{A}$ | $89-\mathrm{A}$ | $90-\mathrm{A}$ |
| $91-\mathrm{B}$ | $92-\mathrm{A}$ | $93-\mathrm{B}$ | $94-\mathrm{B}$ | $95-\mathrm{C}$ |
| $96-\mathrm{B}$ | $97-\mathrm{A}$ | $98-\mathrm{A}$ | $99-\mathrm{A}$ | $100-\mathrm{C}$ |


| $101-\mathrm{D}$ | $102-\mathrm{D}$ | $103-\mathrm{A}$ | $104-\mathrm{A}$ | $105-\mathrm{D}$ |
| :--- | :--- | :--- | :--- | :--- |
| $106-\mathrm{D}$ | $107-\mathrm{D}$ | $108-\mathrm{C}$ | $109-\mathrm{B}$ | $110-\mathrm{B}$ |
| $111-\mathrm{C}$ | $112-\mathrm{A}$ | $113-\mathrm{B}$ | $114-\mathrm{B}$ | $115-\mathrm{B}$ |
| $116-\mathrm{D}$ | $117-\mathrm{B}$ | $118-\mathrm{D}$ | $119-\mathrm{A}$ | $120-\mathrm{B}$ |
| $121-\mathrm{B}$ | $122-\mathrm{D}$ | $123-\mathrm{B}$ | $124-\mathrm{D}$ | $125-\mathrm{C}$ |
| $126-\mathrm{A}$ | $127-\mathrm{B}$ | $128-\mathrm{D}$ | $129-\mathrm{B}$ | $130-\mathrm{A}$ |


| $131-A$ | $132-\mathrm{D}$ | $133-\mathrm{D}$ | $134-\mathrm{B}$ | $135-\mathrm{C}$ |
| :--- | :--- | :--- | :--- | :--- |
| $136-\mathrm{C}$ | $137-\mathrm{B}$ | $138-\mathrm{D}$ | $139-\mathrm{B}$ | $140-\mathrm{B}$ |
| $141-\mathrm{B}$ | $142-\mathrm{D}$ | $143-\mathrm{B}$ | $144-\mathrm{C}$ | $145-\mathrm{A}$ |
| $146-\mathrm{C}$ | $147-\mathrm{D}$ | $148-\mathrm{A}$ | $149-\mathrm{D}$ | $150-\mathrm{C}$ |

