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QUIZZES

Practice Test-1 (Diversity Among Plants and Animals)



10 Questions



7 min

Topics

Introduction and diagnostic features of Plants,
Classification of Plants

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Start Quiz

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Q

1/10



7 min



Hint

Q : Organisms referred to as amphibians of plant kingdom are:

A

Pteridophytes

B

Bryophytes

C

Angiosperm

D

Gymnosperms

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2/10



7 min



Hint

Q : The male sex organ of bryophyte is called:

A

Antheridium

B

Testis

C

Globule

D

Archegonium

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3/10



7 min



Hint

Q : All of the following are related to the members of Kingdom plantae except:

A

Autotrophic

B

Multi-cellular

C

Motile

D

Eukaryotic

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Q

4/10



7 min



Hint

Q : All of the following are included in bryophytes except:

A

Hepaticopsida

B

Anthoceroopsida

C

Lycopsidea

D

Bryopsida

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5/10



7 min



Hint

Q : All of the following characters are related to bryophytes except:

A

Devoid of specialized conducting system

B

Produce flower

C

Need water for their reproduction

D

First plants to colonize on land

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6/10



7 min



Hint

Q : These are simplest of all the bryophytes:

A

Liverworts

B

Mosses

C

Hornworts

D

Ferns

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Q

7/10



7 min



Hint

Q : All of the following are features of bryophytes except:

A

Absence of vascular system

B

Heterosporous

C

Dominant gametophyte

D

Sporophyte attached to gametophyte

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Q

8/10



7 min



Hint

Q : The evolution of megaphylls leaves included series of successive evolutionary steps which are:

A

Overtopping → Planation → Fusion

B

Fusion → Planation → Overtopping

C

Planation → Fusion → Overtopping

D

Planation → Overtopping → Fusion

SAEED MDCAT

SAEED MDCAT TEAM



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9/10



7 min



Hint

Q : The members of which of the following group are also called arthropytes?

A

Psilopsida

B

Lycopsida

C

Sphenopsida

D

Pteropsida

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SAEED MDCAT TEAM



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10/10



7 min



Hint

Q : Among the following, identify the feature of monocots:

A

Parallel veins

B

4 or 5 petals or multiple of 4 or 5

C

Vascular tissue is in the form of bundle in a ring

D

Presence of tap roots

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Correct



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Incorrect



1/10

Q : Organisms referred to as amphibians of plant kingdom are:



A Pteridophytes



B Bryophytes



C Angiosperm

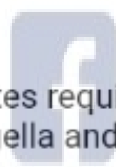


D Gymnosperms

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Explanation

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Bryophytes required water during reproduction. Antherozoids swim by their flagella and move toward female reproductive part.





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Correct



Unattempted



Incorrect



2/10

Q : The male sex organ of bryophyte is called:



A Antheridium



B Tests



C Globule

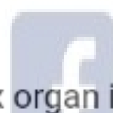


D Archegonium

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Explanation

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Male sex organ is antheridium that make antherozoids by mmitosis. Female sex organ is archegonia. Both are multicellular and formed in gametophyte stage which is haploid generation in plant life cycle.

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Correct



Unattempted



Incorrect



3/10

Q : All of the following are related to the members of Kingdom plantae except:



A Autotrophic



B Multi-cellular



C Motile



D Eukaryotic

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Explanation



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Kingdom plantae mainly includes eukaryotic, autotrophic, multi-cellular, non-motile organisms which develop from embryos.

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Correct



Unattempted



Incorrect



4/10

Q : All of the following are included in bryophytes except:



Hepaticopsida



Anthoceropsida



Lycopsida

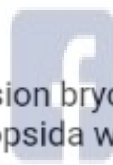


Bryopsida

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Explanation

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The division bryophyta includes hepaticopsida, bryopsida, and anthoceropsida while lycopsida is included in division tracheophyta.

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Correct



Unattempted



Incorrect



5/10

Q : All of the following characters are related to bryophytes except:



A Devoid of specialized conducting system



B Produce flower



C Need water for their reproduction

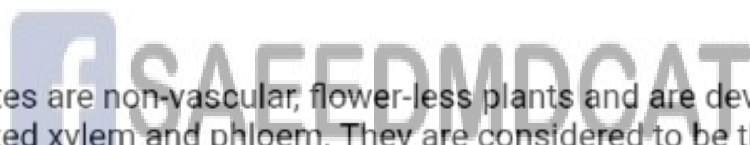


D First plants to colonize on land

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Explanation

SAEED MDCAT TEAM



Bryophytes are non-vascular, flower-less plants and are devoid of specialized xylem and phloem. They are considered to be the first plants to colonize to land and called amphibians of plants because they need water for their reproduction.

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Correct



Unattempted



Incorrect



6/10

Q : These are simplest of all the bryophytes:



Liverworts



Mosses



Hornworts



Ferns

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Explanation

SAEED MDCAT TEAM



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Among all the groups of bryophytes, the liverworts are the most simplest.

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Correct



Unattempted



Incorrect



7/10

Q : All of the following are features of bryophytes except:

A

Absence of vascular system

B

Heterosporous

C

Dominant gametophyte

D

Sporophyte attached to gametophyte

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Explanation

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Bryophytes can be defines more precisely as plants with the distinguishing characters as follows;

- Vascular system absent
- Gametophyte dominant
- Sporophyte attached to gametophyte
- Homosporous

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Correct



Unattempted



Incorrect



8/10

Q : The evolution of megaphylls leaves included series of successive evolutionary steps which are:

A

Overtopping → Planation → Fusion

B

Fusion → Planation → Overtopping

C

Planation → Fusion → Overtopping

D

Planation → Overtopping → Fusion

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Explanation

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Megaphylls evolved from the three-dimensional lateral branches of early vascular land plants in a hypothetical series of three transformations; first, the formation of determinate lateral branches (overtopping); second, the development of 'flattened' branch systems (planation); and third, the fusion of planated branches with lateral outgrowths of photosynthetic mesophyll tissue to form the leaf blade (fusion /webbing).

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Correct



Unattempted



Incorrect



9/10

Q : The members of which of the following group are also called arthropytes?

A

Psilopsida

B

Lycopsida

C

Sphenopsida

D

Pteropsida

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Explanation



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Members included in sphenopsida are also called as 'arthropytes' because the whole plant body is composed of large number of joints.

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Incorrect



10/10

Q : Among the following, identify the feature of monocots:



Parallel veins



4 or 5 petals or multiple of 4 or 5



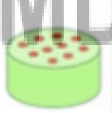




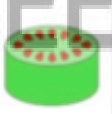




Vascular tissue is in the form of bundle in a ring



Presence of tap roots

Explanation

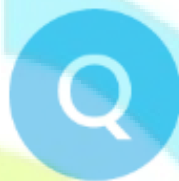
	Seed	Root	Vascular	Leaf	Flower
Monocot					
	One cotyledon	Fibrous roots	Scattered	Parallel veins	Multiples of 3
Dicot					
	Two cotyledon	Tap roots	Ringed	Net-like veins	4 or 5



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QUIZZES

Practice Test-2 (Diversity Among
Plants and Animals)



10 Questions



7 min

Topics

Introduction, grade radiate, grade bilateria,
Diploblastic and triploblastic organization,
Classification according to coelom (body
cavity), Protostomes, deuterostomes,
Invertebrate Phylums

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Start Quiz



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1/10



7 min



Hint

Q : An organism is known as animal if it has all of following properties except:

A

Eukaryotic

B

Unicellular

C

Heterogamy

D

Ingestive heterotrophic

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Q

2/10



7 min



Hint

Q : Simplest animals are:

A

Amoebae

B

Sponges

C

Jelly fishes

D

Hydra

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Q

3/10



7 min



Hint

Q : Liver has its origin from _____ layer.

A

Endoderm

B

Ectoderm

C

Mesoderm

D

Integumentary

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4/10



7 min



Hint

Q : The only well-developed system found in acoelomates:

A

Excretory system

B

Transport system

C

Digestive system

D

Respiratory system

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5/10



7 min



Hint

Q : Pseudocoelom is developed from :

A

Blastostyle

B

Blastocoel

C

Blastocyst

D

Mesoderm

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6/10



7 min



Hint

Q : In proterostomia & deuterostomia respectively, cleavage is:

A

Indeterminate & spiral

B

Radial & spiral

C

Determinate & indeterminate

D

Determinate and radial

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7/10



7 min



Hint

Q : In sponges, gemmules are actually:

A

Internal buds

B

External buds

C

Sex cells

D

Respiratory structures

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8/10



7 min



Hint

Q : Coelenterata is also named as cnidaria because of presence of:

A

Gastro vascular cavity

B

Cnidocytes

C

Polyps and medusae

D

Polymorphism

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9/10



7 min



Hint

Q : One which lives in bile duct of human as an endoparasite:

A

Dugesia

B

Fasciola

C

Taenia

D

Schistosoma

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10/10



7 min



Hint

Q : Phylum having largest biodiversity on earth is:

A

Annelida

B

Mollusca

C

Chordata

D

Arthropoda

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Correct



Unattempted



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1/10

Q : An organism is known as animal if it has all of following properties except:



A Eukaryotic



B Unicellular



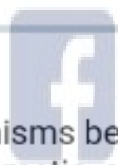
C Heterogamy



D Ingestive heterotrophic

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Explanation



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All organisms belong to kingdom Animalia are eukaryotic, heterogametic, and multicellular and have ingestive mode of nutrition. Animals are not unicellular but they have proper tissue organization.

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Correct



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2/10

Q : Simplest animals are:



A Amoebae



B Sponges



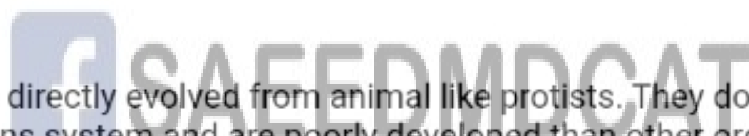
C Jelly fishes



D Hydra

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Explanation
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They are directly evolved from animal like protists. They do not have any organs system and are poorly developed than other organisms in kingdom animalia.

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Q : Liver has its origin from _____ layer.

A Endoderm

B Ectoderm

C Mesoderm

D Integumentary

Explanation



Ectoderm	Mesoderm	Endoderm
Epidermis	Bones, cartilage, tendon	Digestive System
Central Nervous System	Muscle (smooth, striated)	Respiratory System
Neural Crest Derivatives: <ul style="list-style-type: none">• Peripheral Nervous System• Melanocytes• Facial cartilage• Dentin of teeth• Skull bones	Circulatory System, including heart, vessels	Pancreas
	Lymphatic system	Liver
	Gonads	Thyroid Epithelium
	Kidney	Parathyroid Epithelium
	Adipose Tissue	Thymus
	Notochord	Bladder



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Correct



Unattempted



Incorrect



4/10

Q : The only well-developed system found in acoelomates:



A Excretory system



B Transport system



C Digestive system

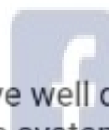


D Respiratory system

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Explanation

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They have well developed excretory system (protonephridia). Digestive system is less developed and sac like while transport and digestive systems are absent.

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Correct



Unattempted



Incorrect



5/10

Q : Pseudocoelom is developed from :



A Blastostyle



B Blastocoel



C Blastocyst



D Mesoderm

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Explanation

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Pseudocoelom develops from the blastocoel of the embryo and it is bounded externally by the muscles and internally by the cuticle of the intestine

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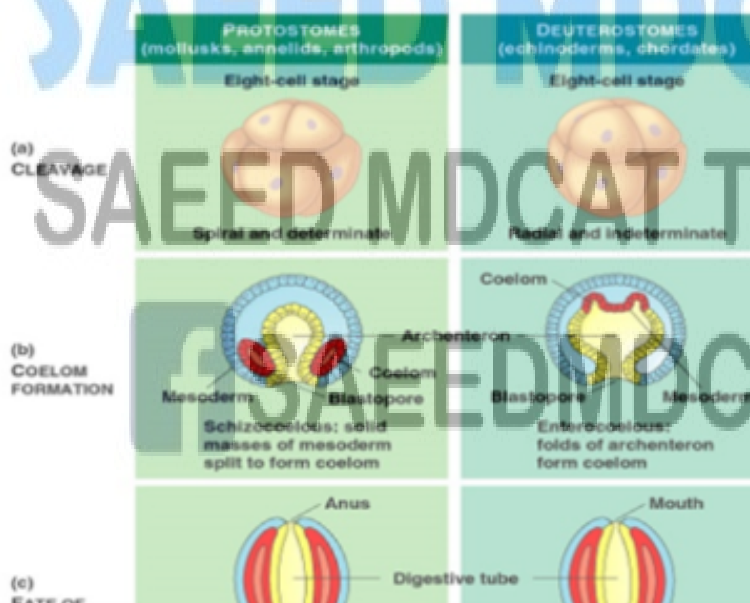


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Q : In protostomia & deuterostomia respectively, cleavage is:

- A Indeterminate & spiral
- B Radial & spiral
- C Determinate & indeterminate
- D Determinate and radial

Explanation





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A Indeterminate & spiral

B Radial & spiral

C Determinate & indeterminate

D Determinate and radial

Explanation





Incorrect



7/10

Q : In sponges, gemmules are actually:

A

Internal buds

B

External buds

C

Sex cells

D

Respiratory structures

Explanation

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In sponges, asexual reproduction occurs by forming internal buds called gemmules.

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Q : Coelenterata is also named as cnidaria because of presence of:

A Gastro vascular cavity

B Cnidocytes

C Polyps and medusae

D Polymorphism

Explanation

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Correct



Unattempted



Incorrect



9/10

Q : One which lives in bile duct of human as an endoparasite:



Dugesia



Fasciola



Taenia

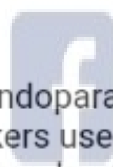


Schistosoma

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Explanation

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It is an endoparasite in sheep and occasionally in human beings. It has suckers used for attachment to host tissue. It completes its life cycle in two hosts a snail, sheep or man. It lives in the bile duct of its hosts.

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Correct



Unattempted



Incorrect



10/10

Q : Phylum having largest biodiversity on earth is:



Annelida



Mollusca



Chordata

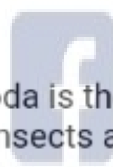


Arthropoda

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Explanation

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Arthropoda is the largest group in animal kingdom and has great variety. Insects are found everywhere, many show social behavior.