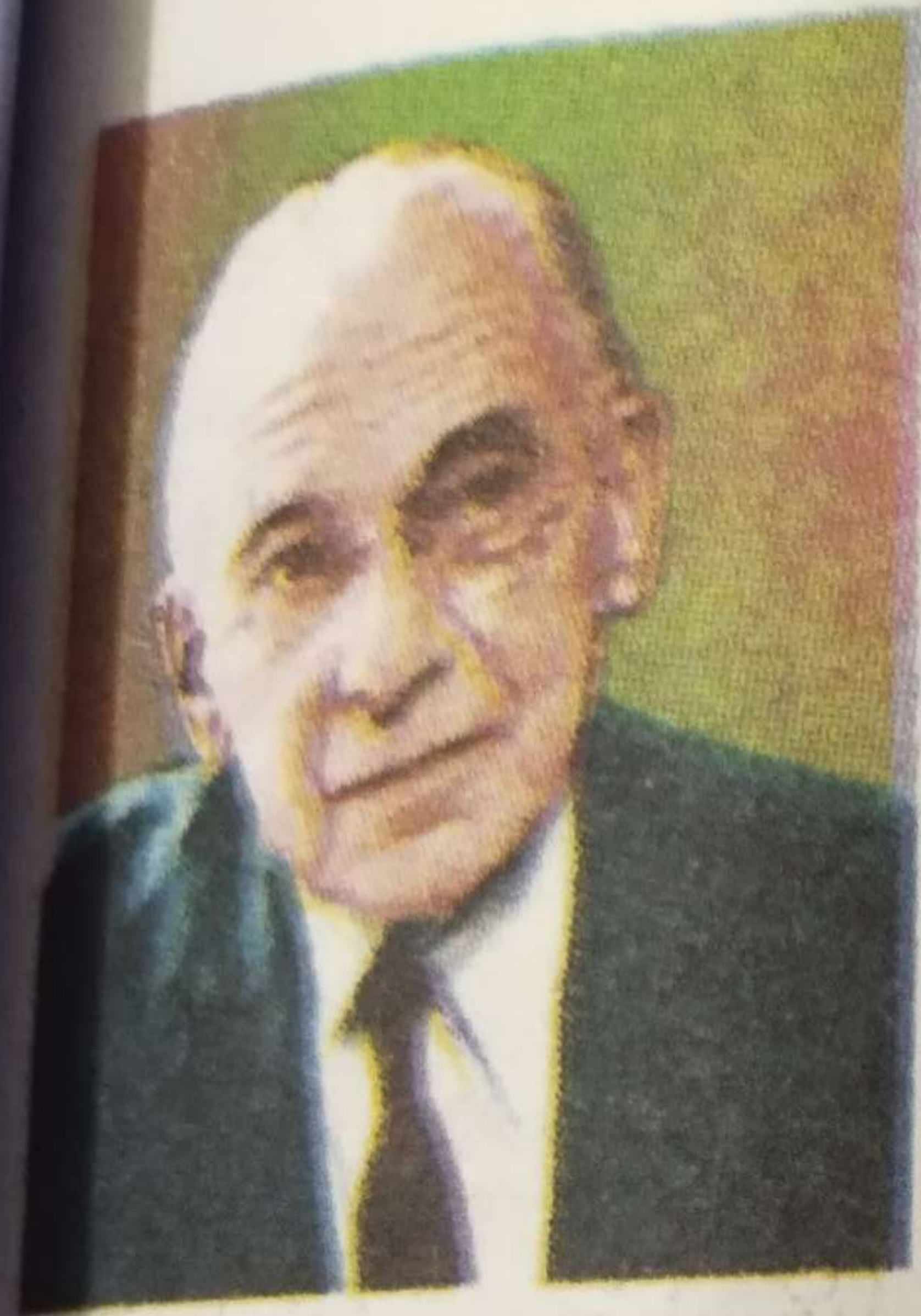


Unit

4



Alfred Sherwood Romer

A **palaeontologist** par excellence, comparative anatomist and a specialist in the study of **vertebrate evolution**.

Animal Diversity - II

The 'Bioarchitecture' of the 'Chordates' and the 'Emerging Bioarchitect'

- **A Brief History of 'Chordates'**

తెలంగాణ ప్రజలకు అలర్ట్..



Which among the following is not an amphibian character

ఈ క్రింది వాటిలో ఉభయచరాల లక్షణం కానిది

Options :



First tetrapods

28393617473. ✖ మొట్టమొదటి చతుష్పాదులు

Monocondylic skull

28393617474. ✔ ఏక కందయుత పుర్రె

Three chambered heart

28393617475. ✖ మూడు గదుల హృదయం

Ureotelic animals

28393617476. ✖ యూరియోపెలిక్ జీవులు

Question Number : 50 Question Id : 2839364370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

One of the following is commonly called flying fox

ఈ క్రింది వాటిలో ఎగిరేసక్క అని దీనిని అంటారు

Options :

Macropus

28393617477. ✖ మాక్రోపస్

Draco

28393617478. ✖ డ్రాకో

Exocoetus

28393617479. ✖ ఎక్సోసేటస్

Pteropus

28393617480. ✔ టేరోపస్



Jaw less fish like vertebrates are.

దొడలు లేని చేపల వంటి సకశేరుకాలు

Options :

Tunicates

28393618105. ✖ ట్యూనికేట్లు

Osteichthys

28393618106. ✖ ఆస్టిక్థిస్

Cyclostomes

28393618107. ✔ సైక్లోస్టోంలు

Apods

28393618108. ✖ ఏపోడా జీవులు



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Among vertebrates, renal portal system is absent in

సకశేరుకాలలో వృక్క నిర్వాహక వ్యవస్థ లోపించిన జీవులు

Options :

Myxine, Macropus, Felis

28393618113. ✓ మిక్సీన్, మాక్రోపస్, ఫెలిస్

Columba, Hemidactylus, Panthera

28393618114. ✗ కౌలంబా, హెమిడాక్టైలస్, పాంథీరా

Pteropus, Elephas, Labeo

28393618115. ✗ టీరోపస్, ఎలిఫాస్, లేబియో

Scoliodon, Rana, Antelopa

28393618116. ✗ స్కోలియోడాన్, రానా, ఏంటీలోపా



Question Number : 50 Question Id : 2839364530 Question Type : MCQ Option Shuffling : Yes Display
Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time :
N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Match the following:

List - 1

- A. Parasitic castration
- B. Neoplasia
- C. Gigantism
- D. Hypertrophy

List - 2

- I. Larvae of *Fasciola*
- II. *Taenia*
- III. *Plasmodium*
- IV. Some viruses
- V. *Crusian*



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Mammary glands are modifications of

క్షీరదాలలో క్షీరగ్రంధులు వీటి రూపాంతరం

Options :

28393616197.

Sebaceous glands

✖ చర్మవసా గ్రంధులు

Scent glands

28393616198. ✖ సువాసన గ్రంధులు

Ceruminous glands

28393616199. ✖ సెరూమినస్ గ్రంధులు

Sweat glands

28393616200. ✔ స్వేద గ్రంధులు



Assertion (A) : The heart of fishes is called branchial heart
Reason (R) : Only deoxygenated blood flows through it.

నిశ్చితం (A) : చేపలలో గుండెను జలశ్వాస హృదయం అంటారు.
కారణం (R) : డీఆక్సిజినేటెడ్ రక్తం మాత్రమే దాని ద్వారా ప్రవహిస్తుంది.

The correct option among the following is
ఈ క్రింది ఐచ్ఛికాలలో సరియైనది

Options :



A and R are true. R is correct explanation for A

28393616829. ✖ A మరియు R సరైనవి. A కి R సరైన వివరణ

A and R are true, but R is not correct explanation for A

28393616830. ✔ A మరియు R సరైనవి, కాని A కి R సరైన వివరణ కాదు

A is true. But R is false

28393616831. ✖ A నిజం కాని R నిజం కాదు

A is false. But R is true

28393616832. ✖ A నిజం కాదు కాని R నిజం.



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Number of cranial nerves in snakes that belong to class Reptilia

సరీసృపాల విభాగానికి చెందిన సర్పాలలోని కపాల నాడుల సంఖ్య

Options :

12 pairs

28393616833. ✖ 12 జతలు

10 pairs

28393616834. ✔ 10 జతలు

8 pairs

28393616835. ✖ 8 జతలు

14 pairs

28393616836. ✖ 14 జతలు

collage



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Delete



Number of cranial nerves in snakes that belong to class Reptilia

సరీసృపాల విభాగానికి చెందిన సర్పాలలోని కపాల నాడుల సంఖ్య

Options :

12 pairs

28393616833. ✖ 12 జతలు

10 pairs

28393616834. ✔ 10 జతలు

8 pairs

28393616835. ✖ 8 జతలు

14 pairs

28393616836. ✖ 14 జతలు

collage



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Match the following :

Gland	Type
A) Pancreas	I) Holocrine gland
B) Mammary gland	II) Endocrine gland
C) Sebaceous gland	III) Merocrine gland
D) Thyroid gland	IV) Unicellular gland
	V) Apocrine gland

The correct match is

Options :

1. ✖



A	B	C	D
III	V	IV	II

2. ✖

A	B	C	D
II	I	V	III

3. ✔

A	B	C	D
III	V	I	II

4. ✖

A	B	C	D
IV	II	III	I



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Study the following table and pick up the correct combinations.

S.No	Group	Salient feature	Example
I)	Cyclostomata	Tongue with horny teeth	<i>Myxine</i>
II)	Pisces	Dicondylic skull	<i>Petromyzon</i>
III)	Chondrichthyes	Claspers in male	<i>Scoliodon</i>
IV)	Osteichthyes	Presence of operculum	<i>Torpedo</i>

Options :

I, III

1. ✓

II, IV

2. ✗

I, II

3. ✗

III, IV

4. ✗



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Delete



Study the following statements about the endoskeleton of birds.

- I) Skull is dicondylic.
- II) Ribs are single headed.
- III) Clavicles along with interclavicle form furcula.
- IV) Heterocoelous vertebrae.

Identify correct statements from the above.

Options :

I, II only

1. ✖

III, IV only

2. ✔

I, III only

3. ✖

II, IV only

4. ✖



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Delete



Lepisma is commonly known as

Options :

1. ✖ Jelly fish

2. ✖ Cuttle fish

3. ✖ Devil fish

4. ✔ Silver fish

Question Number : 50 Question Id : 1056151650 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0

Special excretory organs are absent in

Options :

1. ✔ *Ophiura*

2. ✖ *Saccoglossus*

3. ✖ *Balanus*

4. ✖ *Periplaneta*



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Delete



Assertion (A) : *Branchiostoma* is often described as typical chordate.

Reason (R) : It has a myogenic heart.

The correct option among the following is

Options :

(A) is true, (R) is true and (R) is the correct explanation for (A)

1. ✖

(A) is true, (R) is true but (R) is not the correct explanation for (A)

2. ✖

(A) is true but (R) is false

3. ✔

(A) is false but (R) is true

4. ✖



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Delete



Match the following:

Zoological name	Common name
A) <i>Hemidactylus</i>	I) Flying lizard
B) <i>Bungarus</i>	II) Flying fox
C) <i>Draco</i>	III) Wall lizard
D) <i>Pteropus</i>	IV) Pond snake
	V) Krait

The correct match is

Options :

A	B	C	D
III	V	I	IV

1. ✖

A	B	C	D
II	I	V	III

2. ✖

A	B	C	D
III	V	I	II

3. ✔

A	B	C	D
IV	III	II	I

4. ✖



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Delete



Assertion (A) : In adult ascidians notochord is absent.

Reason (R) : Retrogressive metamorphosis.

The correct option among the following is

Options :

1. ✓ (A) is true, (R) is true and (R) is the correct explanation for (A)

2. ✗



(A) is true, (R) is true but (R) is not the correct explanation for (A)

3. ✗ (A) is true but (R) is false

4. ✗ (A) is false but (R) is true



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Delete



Study the following and pick up the correct combinations.

S.No	Scientific name	Common Name	Character
I)	<i>Hippocampus</i>	Sea horse	Female has a brood pouch
II)	<i>Trigon</i>	Sting ray	Possesses poison sting
III)	<i>Torpedo</i>	Electric ray	Ventral muscles modified into electric organs
IV)	<i>Exocoetus</i>	Flying fish	Contains air bladder

Options :

1. ✖ I, II

2. ✔ II, IV

3. ✖

I, III

4. ✖ III, IV



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Delete



Given below are the statements regarding frog. Choose the correct statements.

- A) Frog is a carnivore, so the length of alimentary canal is short.
- B) Frog never drinks water but absorbs through skin.
- C) The ureters of frog also act as genital ducts.
- D) Frog is uricotelic animal.

Options :

A, B, C only

1. ✖

A, B only

2. ✔

A, B, D only

3. ✖

A, B, C, D

4. ✖



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Delete



Read the following statements:

- A) Circulatory system is closed type.
- B) Excretion is performed by solenocytes.
- C) Exchange of respiratory gases occurs mostly across the external body surface.
- D) Notochord persists throughout life.

The above characteristics are applicable to

Options :

Ascidia

1. ✖

Petromyzon

2. ✖

3. ✔

Branchiostoma

Balanoglossus

4. ✖



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Delete



Read the following statements:

- A) Circulatory system is closed type.
- B) Excretion is performed by solenocytes.
- C) Exchange of respiratory gases occurs mostly across the external body surface.
- D) Notochord persists throughout life.

The above characteristics are applicable to

Options :

Ascidia

1. ✖

Petromyzon

2. ✖

3. ✔

Branchiostoma

Balanoglossus

4. ✖



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Delete



Study the following table and pick up the correct combination(s).

S.No	Group	Salient feature	Example
I)	Cyclostomata	Circular mouth	<i>Lamprey</i>
II)	Pisces	Poikilotherms	<i>Hag fish</i>
III)	Chondrichthyes	Lamelliiform gills	<i>Pristis</i>
IV)	Osteichthyes	Placoid scales	<i>Labeo</i>

Options :

I, II

1. ✖

II, IV

2. ✖

I, III

3. ✔

III, IV

4. ✖



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