

Commissionerate of School Education-Government of Andhra Pradesh

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	PGT NL Biological Science 19th June 2025 Shift 1
Subject Name :	PGT NL Biological Science
Creation Date :	2025-06-19 14:17:59
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PGT NL Biological Science

Group Number :	1
Group Id :	39226689
Group Maximum Duration :	0
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Show Attended Group? :	No
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Break time :	0
Group Marks :	100

Section 1

Section Id :	392266464
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	10
Maximum Instruction Time :	0
Sub-Section Number :	1

Sub-Section Id :

392266494

Question Shuffling Allowed :

Yes

Question Number : 1 Question Id : 39226614721 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose – correct matching

- | | |
|-------------------|-----------------|
| i. High Clouds | a. Nimbostratus |
| ii. Middle Clouds | b. Cirrostratus |
| iii. Low clouds | c. Altostratus |
-
- | |
|----------------------------|
| 1. i - b, ii - a, iii - c |
| 2. i -b, ii - c, iii - a |
| 3. i - c, ii - a, iii - b |
| 4. i - a, ii - b, iii - c, |

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 2 Question Id : 39226614722 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Expansion form of VPN is

1. Virtual Private Networking
2. Virtual Program Networking
3. Various Program Networking
4. Various Private Networking

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 3 Question Id : 39226614723 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The area added in the list of Nobel Prize from 1969 is

1. Literature
2. Peace
3. Economics
4. Medicine Science

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 4 Question Id : 39226614724 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose correct answer regarding Pradhan Mantri Mudra Yojana (PMMY)

- a. This was launched on 18-9-2015
 - b. Provides access to institutional finance for micro, small businesses
 - c. Shishu, Kishore, Tarun, Tarun Plus are 4 categories
 - d. Covers loan upto 50 thousand, 5 lack, 10 lack, 20 lack
1. b, c, d correct
 2. a, b, c correct
 3. a, b, d correct
 4. a, b, c, d correct

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 5 Question Id : 39226614725 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify incorrect pairs

- a. M. Narasimhan Committee – Banking reforms
- b. Dinesh Goswami Committee – Election reforms
- c. Padmanabhaiah Committee – Women reservations
- d. Geeta Mukherjee Commission – Road Safety

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

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 6 Question Id : 39226614726 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose correct statements regarding Indus Water Treaty (IWT)

- a. According to IWT Sindhu River system was divided into East and West rivers.
 - b. Western rivers – Jhelum, Chenab, Indus
 - c. Eastern rivers – Ravi, Beas, Sutlej
 - d. Western rivers allotted to India, whereas Eastern Rivers allotted to Pakistan
- 1. a, b correct
 - 2. b, c correct
 - 3. a, b, c correct
 - 4. b, c, d correct

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 7 Question Id : 39226614727 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose correct statements

- a. Carlos Alcaraz won French Open Tennis – 2025
 - b. Jannik Sinner is the runner up in French Open Tennis - 2025
 - c. Aryna Sabalenka won French Open Women's Singles 2025 Title
 - d. The Women's Singles final match is between Coco Gauff and Sabalenka
- 1. a, d correct
 - 2. b, d correct
 - 3. b, c, d correct
 - 4. a, b, d correct

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 8 Question Id : 39226614728 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In early 1920's at the time of Swaraj movement, a Guerrilla movement had spread in

1. Bihar
2. Bengal
3. Andhra Pradesh
4. Uttar Pradesh

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 9 Question Id : 39226614729 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In the Amendment Act - 42 of 1976, the Constitution adopted this item

1. Fundamental Rights
2. Fundamental Duties
3. Single citizenship
4. Centre – State relation

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 10 Question Id : 39226614730 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose correct answer regarding famous woman - field

- | | |
|------------------------|--------------------|
| i. Bachendri Pal | a. Classical music |
| ii. M. S. Subbulakshmi | b. Literature |
| iii. Anandibai Joshi | c. Mountaineering |
| iv. Amrita Pritam | d. Medical field |

1. i - c, ii - b, iii - d, iv - a
2. i - c, ii - a, iii - d, iv - b
3. i - b, ii - c, iii - a, iv - d
4. i - b, ii - c, iii - d, iv - a

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 11 Question Id : 39226614731 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify correctly matched pair

- a. Abhinav Bindra - Shooting
- b. Yogeswar Dutt - Wrestling
- c. Manu Bhaker - Boxing
- d. Neeraj Chopra - Javelin throw

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

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 12 Question Id : 39226614732 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Countries having Lion as National Symbol

- a. Bharath
- b. Norway
- c. Canada
- d. Belgium

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

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 13 Question Id : 39226614733 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose correct answer regarding days and its importance

- | | | | |
|------|---------------------------|----|-------------|
| i. | World Mother Language Day | a. | April 7 |
| ii. | World Consumers Day | b. | March 15 |
| iii. | World Health Day | c. | December 10 |
| iv. | World Human Rights Day | d. | February 21 |

1. i-a, ii-c, iii-b, iv-d
2. i-d, ii-b, iii-a, iv-c
3. i-d, ii-c, iii-a, iv-b
4. i-a, ii-d, iii-b, iv-c

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 14 Question Id : 39226614734 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify correct matching of Body Part - Disease

- | | |
|----------------|-----------|
| i. Epilepsy | a. Kidney |
| ii. Presbyopia | b. Eye |
| iii. Uremia | c. Brain |

1. i - a, ii - c, iii - b
2. i - b, ii - c, iii - a
3. i - a, ii - b, iii - c
4. i - c, ii - b, iii - a

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 15 Question Id : 39226614735 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose correctly matched pair

- | | |
|---------------------------|--------------|
| 1. Sumathi Satakam | - Marana |
| 2. Bhaskara Satakam | - Srinadhudu |
| 3. Narayana Satakam | - Pothana |
| 4. Kalahastiswara Satakam | - Bhatruhari |

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 16 Question Id : 39226614736 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Short form of the Union Ministry of Surface transport is

1. UuRTH
2. MoRTH
3. BeRTH
4. DaRTH

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 17 Question Id : 39226614737 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Second Nation to be declared Malaria-free by WHO in 2024 is

1. India
2. Germany
3. France
4. Egypt

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 18 Question Id : 39226614738 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The capital of the Andaman and Nicobar Islands, Port Blair is renamed as

1. Swaraj Dweep
2. Sri Vijaya Puram
3. Abdul Kalam Island
4. Kanathara

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 19 Question Id : 39226614739 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

In India, the first AI based spam detection tool is launched by

1. Airtel
2. Jio
3. Vodafone idea
4. BSNL

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 20 Question Id : 39226614740 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

SVAMITVA Scheme comes under this Ministry

1. Family Welfare
2. Agriculture
3. Panchayati Raj
4. Technology

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Section 2

Section Id :	392266465
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	10
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	392266495
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 39226614741 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The life skill that enables a person to analyse the information and experience without bias is

1. Creative thinking
2. Critical thinking
3. Decision making
4. Problem solving

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 22 Question Id : 39226614742 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Match the Primary Educational Programmes with their implemented States

I		II	
i) Lok Jumbish		a) Telangana	
ii) Ekalavya		b) Madhya Pradesh	
iii) Maa Badi		c) Rajasthan	
iv) Jaya Shankar Badi Baata		d) Andhra Pradesh	

- | | | | | |
|----|-------|--------|---------|--------|
| 1. | i – b | ii – d | iii – a | iv – c |
| 2. | i – b | ii – c | iii – a | iv – d |
| 3. | i – c | ii – b | iii – d | iv – a |
| 4. | i – c | ii – d | iii – b | iv – a |

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 23 Question Id : 39226614743 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Educational Guarantee Scheme (EGS) is given by

1. OBB
2. POA - 1992
3. SSA
4. APPEP

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 24 Question Id : 39226614744 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

According to Keynesian Macroeconomics, in calculating National Income, the consumable area is

1. Education
2. Government Defense Expenditure
3. Railways and Public Transport
4. Digital Infrastructure

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 25 Question Id : 39226614745 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose incorrect answer from the following

1. A boy shook the bell and said it is ringing – Empirical Knowledge
2. A boy heard a sound behind the wall and said it might be bell sound – Rational Knowledge.
3. A boy said bell sound is not audible from here – Intuitive Knowledge
4. A boy said Bronze bells used in Indus Valley Civilization – Authoritative Knowledge.

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 26 Question Id : 39226614746 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In NCF – 2005, Health and Physical Education may be an optional at this stage

1. Primary
2. Upper Primary
3. Secondary
4. Higher Secondary

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 27 Question Id : 39226614747 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Charles Hill's divisions of Globalization

1. Trade Globalization; Service Globalization
2. Capital Globalization; Migration Globalization
3. Technology Globalization; Labor Globalization
4. Market Globalization; Products Globalization

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 28 Question Id : 39226614748 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose the correct answer

- A. Sargent Report - 1929
 - B. Zakir Hussain Committee - 1938
 - C. Ramamurthy Committee - 1957
 - D. Radha Krishna Commission - 1948
1. A and C
 2. B and D
 3. A only
 4. B only

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 29 Question Id : 39226614749 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In Declaration of Right to Development – 1986, Development means

1. Economic growth in all nations
2. All Human Rights are holistic composite rights
3. Technological advancement in developed countries
4. Industrialization in developing Nations

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 30 Question Id : 39226614750 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Evaluation method NOT recommended for classes 1 and 2 as per NCF - 2005

1. Observational based Assessment
2. MCQ based Assessment
3. Growth and Development Assessment
4. Activity based Assessment

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 31 Question Id : 39226614751 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In 1997, the Teacher Code of Professional Ethics was declared by

1. UNESCO
2. NCTE
3. UGC
4. NCERT

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 32 Question Id : 39226614752 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is NOT in dialectical method explained by Socrates

1. Methodical doubt
2. Anthropomorphical knowledge
3. Conceptual and Semantic Precision
4. Empirical and Inductive

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 33 Question Id : 39226614753 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

This is considered as the 'Magna Carta' of Indian Education System

1. Basic Education
2. Charter Act
3. Woods' Report
4. Radha Krishnan's Report

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 34 Question Id : 39226614754 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

INCORRECT statement related to NIEPA

1. NIEPA is an autonomous institution under the Ministry of Education, Government of India.
2. NIEPA primarily focuses on research and training in higher education only.
3. NIEPA has over 326 (approximately) incubation centers all around the country as of October 2020.
4. NIEPA objective is to provide Educational Planning and Administration.

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 35 Question Id : 39226614755 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose the correct answer regarding RTE - 2009

- | | |
|-------------------|-------------------------------|
| i) Article - 10 | a) Duty of parents |
| ii) Article - 12 | b) Responsibility for schools |
| iii) Article - 22 | c) School development plan |
| iv) Article - 15 | d) No denial of admission |

- | | | | |
|----------|--------|---------|--------|
| 1. i – a | ii – c | iii – b | iv – d |
| 2. i – d | ii – b | iii – c | iv – a |
| 3. i – a | ii – b | iii – c | iv – d |
| 4. i – b | ii – d | iii – a | iv – c |

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 36 Question Id : 39226614756 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Scheme for Providing Quality Education in Madrasas (SPQEM) in an initiative of

1. SSA
2. Jamia Miftahul Uloom
3. APPEP
4. Al – Jamiatul Aaliya Arabia

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 37 Question Id : 39226614757 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose correct answer regarding different education systems

- | | |
|---------------------|-------------|
| i) Samyak Charitam | a) Gurukula |
| ii) Nidhidhyasanam | b) Islamic |
| iii) Zerphishani | c) Jainism |
| iv) Samyak Jeevanam | d) Buddhism |

- | | | | |
|----------|--------|---------|--------|
| 1. i – c | ii – b | iii – a | iv – d |
| 2. i – b | ii – c | iii – d | iv – a |
| 3. i – c | ii – a | iii – b | iv – d |
| 4. i – b | ii – a | iii – c | iv – d |

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 38 Question Id : 39226614758 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

‘Human as such is not a resource; he becomes a resource when he is trained and gets the ability of productivity’. This statement on Human Resource was given by

- 1. Flecture
- 2. Gregory Mankiw
- 3. David Romer
- 4. Peter Drucker

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 39 Question Id : 39226614759 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

As per NEP – 2020, Teachers and Headmasters required to complete the many hours / days of in-service training annually

1. 30 days
2. 100 hours
3. 50 hours
4. 7 days

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 40 Question Id : 39226614760 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose correct order of the following based on National Curriculum Framework for Foundational Stage – 2022

- a. Learning Outcomes
 - b. Aims of Education
 - c. Competencies
 - d. Curricular goals
1. b, d, c, a
 2. a, c, d, b
 3. b, a, c, d
 4. d, c, a, b

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Section 3

Section Id :	392266466
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	10
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	392266496
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 39226614761 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Incorrect statement regarding 'development'

1. Development is both qualitative and quantitative in nature.
2. Development is a part of growth.
3. Development is a complex and comprehensive process.
4. The changes due to development cannot be measured exactly / accurately

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 42 Question Id : 39226614762 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following stage of cognitive development is subdivided into pre-conceptual phase and intuitive phase

1. Sensory motor stage
2. Preoperational stage
3. Concrete operational stage
4. Formal operational stage

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 43 Question Id : 39226614763 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A man doesn't like to follow the traffic signals. But he follows them with the fear of being fined if caught by the Police. As per Kohlberg the morality in him is in

1. Level 1, stage 2
2. Level 2, stage 3
3. Level 2, stage 4
4. Level 3, stage 6

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 44 Question Id : 39226614764 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Higher order needs in Maslow theory of Hierarchy of needs are

1. Self – Actualization, Esteem needs love and belongingness needs
2. Love and belongingness needs, Safety needs, Esteem needs
3. Esteem needs, Physiological needs, Love and belongingness needs
4. Love and belongingness, Safety needs, Self actualization

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 45 Question Id : 39226614765 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The concept of universal grammar is related to

1. P. C. Wren
2. Jean Piaget
3. Noam Chomsky
4. B. F. Skinner

Options :

1. ✗ 1

2. ✗ 2

3. ✓ 3

4. ✗ 4

Question Number : 46 Question Id : 39226614766 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

According to Guilford's model of intellect, one of the following doesn't belong to the dimension 'Content'

1. Visual
2. Cognition
3. Symbolic
4. Semantic

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 47 Question Id : 39226614767 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

According to the following theory of transfer of learning, understanding the relation between whole and parts will facilitate transfer

1. Transposition theory
2. Theory of ideas
3. Theory of identical elements
4. Mental discipline theory

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 48 Question Id : 39226614768 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following laws of learning encourages revision, rehearsal, over learning and home work.

1. Law of closure
2. Law of effect
3. Law of pragnaz
4. Law of exercise

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 49 Question Id : 39226614769 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Vicarious modeling is related to

1. Social learning theory
2. Theory of Instruction
3. Theory of Insight
4. Theory of psychoanalysis

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 50 Question Id : 39226614770 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

“Personality is a dynamic organization within the individual of those psychophysical systems that determine his unique adjustment to his environment.” This definition was given by

1. Allport
2. Cattle
3. Eysenk
4. Freud

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 51 Question Id : 39226614771 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A girl wants to play with dog, but she is scared that the dog may bite her. Here, the conflict in her is

1. Approach - Approach
2. Avoidance - Avoidance
3. Approach - Avoidance
4. Double Approach - Avoidance

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 52 Question Id : 39226614772 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A student learnt French at first and then learnt German. When he tried to recall French words he is unable to recall them, instead he is recalling German equivalent words. This may be due to

1. Repression
2. Deja vu
3. Interference
4. Zeigarnik effect

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 53 Question Id : 39226614773 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

‘Summated Rating Scale’ was prepared by

1. Atkinson
2. Hurlock
3. Pavlov
4. Likert

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 54 Question Id : 39226614774 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Cross sectional approach

1. Is a time taking process
2. Involves collection of data from a single group
3. Is very economic compared to longitudinal approach
4. A comprehensive study

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 55 Question Id : 39226614775 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The following instructional order proposed by Bruner, enhances 'Visual Memory'

1. Iconic Method
2. Enactive Method
3. Symbolic Method
4. Analytical Method

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 56 Question Id : 39226614776 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose correct matching regarding I. Q.

- | | |
|-------------------|--------------|
| i. Moron | a. 141 - 150 |
| ii. Below average | b. 51 - 70 |
| iii. Superior | c. 81 - 90 |
| iv. Genius | d. 121 - 140 |

1. i - d, ii - b, iii - a, ii - c
2. i - c, ii - a, iii - b, ii - d
3. i - b, ii - c, iii - d, ii - a
4. i - a, ii - d, iii - c, ii - d

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 57 Question Id : 39226614777 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Following is incorrect with regard to non directive counselling

1. It is known as client centered counselling
2. Counselee is active
3. Counsellor alone suggest the solution to the problem
4. It was developed by Carl Rogers

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 58 Question Id : 39226614778 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair related to Psychologists and their Nations

1. Jung - Sweden
2. Sheldon - USA
3. Kretschmer - Germany
4. Spranger - Germany

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 59 Question Id : 39226614779 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Exploring the daily life problem is

1. Action Research
2. Experimental Research
3. Basic Research
4. Ethnographic Research

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 60 Question Id : 39226614780 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Following is incorrect with respect to major shifts recommended by NCF 2005

1. Teacher centric to learner centric
2. Teacher guidance, Monitoring to facilitator
3. CCE to public examination and appraisal at times
4. Knowledge given to knowledge construction

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Section 4

Section Id :	392266467
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	100
Number of Questions to be attempted :	100
Section Marks :	50
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	392266497
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 39226614781 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The family Convolvulaceae belongs to the following order

1. Rosales
2. Sapindales
3. Polemoniales
4. Myrtales

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 62 Question Id : 39226614782 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following protistan forms the auxospores during sexual reproduction

1. Dianoflagellates
2. Diatoms
3. Euglenoids
4. Protozoans

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 63 Question Id : 39226614783 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The well-known Bio - pesticide Trichoderma belongs to the following class of Fungi

1. Ascomycetes
2. Basidiomycetes
3. Deuteromycetes
4. Phycomycetes

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 64 Question Id : 39226614784 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Pear shaped, male gamete with laterally arranged two unequal size of flagella is the characteristic feature of

1. Spirogyra
2. Laminaria
3. Polysiphonia
4. Ulothrix

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 65 Question Id : 39226614785 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Pseudo – elaters are found in the following Bryophyte

1. Funaria
2. Polytrichum
3. Anthoceros
4. Marchantia

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 66 Question Id : 39226614786 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following algal member shows diplontic life cycle

1. Polysiphonia
2. Fucus
3. Ectocarpus
4. Laminaria

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 67 Question Id : 39226614787 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In the following inflorescence, flowers appear to have arisen from a single point of peduncle

1. Umbel
2. Corymb
3. Head
4. Spadix

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 68 Question Id : 39226614788 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Perigynous flowers are found in this following plant

1. Brinjal
2. Guava
3. Peach
4. Mustard

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 69 Question Id : 39226614789 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The pollination in Valisnaria is

1. Hypohydrophily
2. Epihydrophily
3. Entomophily
4. Anemophily

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 70 Question Id : 39226614790 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the wrongly matched pair with respective outbreeding devices and examples

1. Protandry - Datura
2. Protogyny - Solanum
3. Herkogamy - Gloriosa
4. Self-sterility - Abutilon

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 71 Question Id : 39226614791 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The book “Die Naturlichen Pflanzenfamilien” is written by

1. Bentham & Hooker
2. Linnaeus
3. J. Hutchinson
4. Engler and Prantl

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 72 Question Id : 39226614792 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Bi - collateral vascular bundles are found in the family

1. Liliaceae
2. Fabaceae
3. Brassicaceae
4. Solanaceae

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 73 Question Id : 39226614793 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Paracytic stomata are found in following family

1. Lamiaceae
2. Gramineae
3. Malvaceae
4. Rubiaceae

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 74 Question Id : 39226614794 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The botanical name of Red Sanders

1. *Pterocarpus santalinus*
2. *Tectona grandis*
3. *Dalbergia latifolia*
4. *Mangifera indica*

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 75 Question Id : 39226614795 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following is not a lentic ecosystem

1. Lake
2. River
3. Pond
4. Swamp

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 76 Question Id : 39226614796 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following cell organelle plays an important role in phospholipids synthesis

1. Glyoxysome
2. Lysosome
3. Peroxysome
4. Ribosome

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 77 Question Id : 39226614797 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The plastids that store carbohydrates are called

1. Aleuroplasts
2. Amyloplasts
3. Cromoplasts
4. Elaioplasts

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 78 Question Id : 39226614798 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Inulin is a polymer of

1. Glucose
2. Fructose
3. Ribose
4. Galactose

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 79 Question Id : 39226614799 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The bond between phosphate and hydroxyl group of sugar in DNA molecule is

1. Hydrogen bond
2. Glycosidic bond
3. Ester bond
4. Peptide bond

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 80 Question Id : 39226614800 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A cell has 8 chromosomes in G_1 Phase, identify the chromosome number in its G_2 phase

1. 8
2. 16
3. 4
4. 32

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 81 Question Id : 39226614801 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

In mitosis, centromere splitting takes place in the following stage.

1. Prophase
2. Anaphase
3. Metaphase
4. Telophase

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 82 Question Id : 39226614802 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Terminalisation of chiasmata occurs in

1. Pachytene
2. Diakinesis
3. Leptotene
4. Zygotene

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 83 Question Id : 39226614803 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The medullary rays are present in

1. Monocot stem
2. Dicot stem
3. Monocot root
4. Dicot root

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 84 Question Id : 39226614804 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This is not a characteristic feature of monocot stem

1. Collenchymatous hypodermis
2. Sclerenchymatous hypodermis
3. Closed type of vascular bundles
4. Scattered vascular bundles

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 85 Question Id : 39226614805 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Choose correct answer based on the floral characters

- A. Solanaceae: Cymose, Gamopetalous, bicarpellary
gynoecium, berry fruit
 - B. Fabaceae : Raceme, Polypetalous, mono-carpellary
gynoecium, pod fruit
- 1. A correct
 - 2. A, B correct
 - 3. B correct
 - 4. A, B incorrect

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 86 Question Id : 39226614806 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In the Hydrosere, disappearance of marshy vegetation and the dryness of soil is in

- 1. Forest stage
- 2. Woodland stage
- 3. Reed – swamp stage
- 4. Sedge – Meadow stage

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 87 Question Id : 39226614807 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Poly climax theory was advanced by

1. Clements
2. Cowles
3. Tansley
4. Krebs

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 88 Question Id : 39226614808 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

More than two leaves produce at each node in this plant

1. Mustard
2. Alstonia
3. Hibiscus
4. Calotropis

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 89 Question Id : 39226614809 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The following is not a characteristic feature of xerophytes.

1. Sunken stomata
2. Multi layered epidermis
3. Well-developed root caps
4. Presence of root pockets

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 90 Question Id : 39226614810 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Persistent calyx - pappus is found in the family

1. Solanaceae
2. Asteraceae
3. Fabaceae
4. Liliaceae

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 91 Question Id : 39226614811 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The cell - organelle that plays a major role in osmoregulation

1. Lysosome
2. Golgi apparatus
3. Mitochondria
4. Vacuole

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 92 Question Id : 39226614812 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify correct matching

- | | |
|----------------|----------------|
| i. Die - back | a. Beets |
| ii. Heart rot | b. Legumes |
| iii. Whip tail | c. Citrus |
| iv. Bronzing | d. Cauliflower |
1. i-b, ii-a, iii-d, iv-c
 2. i-c, ii-a, iii-d, iv-b
 3. i-a, ii-d, iii-c, iv-b
 4. i-d, ii-b, iii-c, iv-a

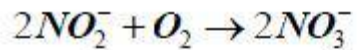
Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 93 Question Id : 39226614813 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0



The above reaction is carried out by

1. Nitrosomonas
2. Nitrobacter
3. Nitrococcus
4. Pseudomonas

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 94 Question Id : 39226614814 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This does not happen during the opening of stomata

1. K^+ ions come out from guard cells
2. K^+ ions enter into guard cells
3. Cl^- ions enter into guard cells
4. H^+ ions come out from guard cells

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 95 Question Id : 39226614815 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the compound that competes with succinic acid for enzyme active site

1. Citric acid
2. α - Ketoglutaric acid
3. Fumaric acid
4. Malonic acid

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 96 Question Id : 39226614816 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The catalytic property of the 23s r-RNA is known as

1. Apo enzyme
2. Ribozyme
3. Co-enzyme
4. Co-factor

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 97 Question Id : 39226614817 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The growth regulator that helpful to overcome apical dominance is

1. Auxins
2. Gibberellins
3. Cytokinins
4. Ethylene

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 98 Question Id : 39226614818 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Sugarcane crop yield can be increased by spraying the following PGR

1. Auxins
2. Gibberellins
3. Absciscic acid
4. Cytokinins

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 99 Question Id : 39226614819 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The primary CO_2 acceptor in C_4 plants is

1. Malic acid
2. Oxalo acetic acid
3. Ribulose biphosphate
4. Phosphoenol pyruvic acid

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 100 Question Id : 39226614820 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In C_3 plants, for the fixation of one CO_2 , the number of ATP and NADPH required are

1. 2 ATP, 3 NADPH
2. 3 ATP, 3 NADPH
3. 3 ATP, 2 NADPH
4. 5 ATP, 3 NADPH

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 101 Question Id : 39226614821 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the phenotypic ratio's of F_2 progeny in incomplete dominance.

1. 3 : 1
2. 1 : 2 : 1
3. 1 : 1
4. 9 : 3 : 3 : 1

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 102 Question Id : 39226614822 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose the correct answer regarding micronutrients and their functions

- | | | | |
|------|-------------|----|-----------------------------------|
| i. | Phosphorous | a. | Regulating Metabolic activities |
| ii. | Potassium | b. | Synthesis of DNA and RNA |
| iii. | Calcium | c. | Required for Phosphorylation |
| iv. | Magnesium | d. | Maintain anion and cation balance |
1. i-b, ii-c, iii-d, iv-a
 2. i-c, ii-d, iii-a, iv-b
 3. i-d, ii-a, iii-b, iv-c
 4. i-a, ii-b, iii-c, iv-d

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 103 Question Id : 39226614823 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the Isotope that was used by Meselson and Stahl to prove semiconservative mode of DNA replication

1. ^{32}P
2. ^{15}N
3. ^{35}S
4. ^{14}C

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 104 Question Id : 39226614824 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

In eukaryotic cells, the RNA polymerase – I is used for the transcription of

1. t - RNA
2. r - RNA
3. m - RNA
4. hn - RNA

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 105 Question Id : 39226614825 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

3' - ATGCCATGCATGCAT - 5' - Template strand. The m-RNA strand which is transcribed from above DNA is

1. 5' - TACGGTACGTACGTA - 3'
2. 5' - UACGGUACGUACGUA - 3'
3. 5' - AUGCCAUGCAUGCAU - 3'
4. 3' - UACGGUACGUACGUA - 5'

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 106 Question Id : 39226614826 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Find out the incorrect statement.

1. Exons appears in processed RNA
2. Introns donot appear in processed RNA
3. Monocistronic genes are common in prokaryotes.
4. Polycistronic genes are common in prokaryotes

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 107 Question Id : 39226614827 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The DNA, when exposed to UV light in an ethidium bromide stained gel appears in this colour

1. Bright red
2. Bright green
3. Bright orange
4. Bright blue

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 108 Question Id : 39226614828 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The RNA interference technique is used to prevent the following pathogen infection in Tobacco

1. Virus
2. Bacteria
3. Nematode
4. Fungus

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 109 Question Id : 39226614829 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

In plant tissue culture, the nutrient culture medium is autoclaved for

1. 15 min, at 121°C and 15 pounds pressure
2. 30 min, at 121°C and 15 pounds pressure
3. 15 min, at 131°C and 15 pounds pressure
4. 30 min, at 131°C and 15 pounds pressure

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 110 Question Id : 39226614830 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

In Lac operon concept, the repressor protein is synthesized from

1. i - gene
2. z - gene
3. y - gene
4. a – gene

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 111 Question Id : 39226614831 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The concept of Mendelian population which defining a species is introduced by this scientist

1. John Ray
2. Linnaeus
3. Dobzhansky
4. Darwin

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 112 Question Id : 39226614832 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

An example of In-situ conservation of biodiversity

1. Gene bank
2. Invitro culture
3. Cryopreservation
4. Sacred groves

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 113 Question Id : 39226614833 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Cells that are involved in the resorption of bone.

1. Osteoclasts
2. Osteoblasts
3. Osteocytes
4. Chondrocytes

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 114 Question Id : 39226614834 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Thromboplastin is secreted by

1. Red Blood cells
2. Basophils
3. Blood Platelets
4. Lymphocytes

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 115 Question Id : 39226614835 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Intercalated discs are found in

1. Skeletal Muscle
2. Smooth Muscle
3. Cardiac Muscle
4. Neuron

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 116 Question Id : 39226614836 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Movements in cerebrospinal fluid is carried by these cells.

1. Astrocytes
2. Oligo dendrocytes
3. Ependymal cells
4. Microgliap cells

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 117 Question Id : 39226614837 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The levels of organisation in an ascending order is

1. Community → Ecosystem → Biosphere → Population → Biome
2. Biome → Ecosystem → Community → Population → Biosphere
3. Population → Ecosystem → Community → Biome → Biosphere
4. Population → Community → Ecosystem → Biome → Biosphere

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 118 Question Id : 39226614838 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Natural ageing of water bodies by their nutrient enrichment is known as

1. Eutrophication
2. Biological Magnification
3. Biological Oxygen Demand
4. Chemical Oxygen Demand

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 119 Question Id : 39226614839 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Chief autotrophs of limnetic zone are

1. Lemna, Azolla
2. Diatoms, Dinoflagellates
3. Daphnia, Nekton
4. Chaoborus, Chironomid

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 120 Question Id : 39226614840 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The phylum that shows two different kinds of symmetry in adults and larvae is

1. Annelida
2. Echinodermata
3. Cnidaria
4. Nematoda

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 121 Question Id : 39226614841 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

'Tusk shells' belongs to this class

1. Pelecypoda
2. Polyplacophora
3. Cephalopoda
4. Scaphopoda

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 122 Question Id : 39226614842 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the Incorrect pair

1. Physalia – Portuguese man of war
2. Sepia – Devil fish
3. Echinus – Sea urchin
4. Ascaris – Round worm.

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 123 Question Id : 39226614843 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

In Reptiles, each half of the lower jaw is formed by

1. 4 bones
2. 5 bones
3. 6 bones
4. 2 bones

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 124 Question Id : 39226614844 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Match the following

List – I		List – II	
A.	Lobopodia	I.	Elphidium
B.	Filopodia	II.	Aetinophrys
C.	Axopodia	III.	Euglypha
D.	Reticulopodia	IV.	Entamoeba
1.	A-I, B-III, C-IV, D-II		
2.	A-IV, B-III, C-II, D-I		
3.	A-IV, B-I, C-II, D-III		
4.	A-III, B-I, C-II, D-IV		

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 125 Question Id : 39226614845 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

World Mosquito day is observed on

1. 20th September
2. 20th August
3. 5th September
4. 28th August

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 126 Question Id : 39226614846 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Type of mouthparts in Periplaneta is

1. Chewing and lapping
2. Biting and chewing
3. Piercing and Sucking
4. Sponging

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 127 Question Id : 39226614847 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose correct answer regarding reproduction of Plasmodium

- a. Asexual reproduction in plasmodium is called Schizogony
 - b. Hepatic Schizogony takes place in liver cells
 - c. Erythrocytic Schizogony takes place in Red Blood Cells
 - d. Hepatic Schizogony was discovered by G. B. Grassi
- 1. a, b, d correct
 - 2. a, b, c correct
 - 3. b, c, d correct
 - 4. a, d correct

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 128 Question Id : 39226614848 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

An abnormal rise in the Red Blood cells is called

- 1. Erythrocytopenia
- 2. Polycythemia
- 3. Haematopoiesis
- 4. Diapedesis

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 129 Question Id : 39226614849 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Comb plates found in the phylum

1. Annelida
2. Cnidaria
3. Ctenophora
4. Nematoda

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 130 Question Id : 39226614850 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Interaction between two species in which one species is harmed while the other species is unaffected is known as

1. Mutualism
2. Competition
3. Commensalism
4. Amensalism

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 131 Question Id : 39226614851 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the correct pair

1. Kline felter's syndrome – Trisomy - 18
2. Down Syndrome – Trisomy – 23rd pair
3. Edward Syndrome – Trisomy – 21st set
4. Patau Syndrome – Trisomy – 13

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 132 Question Id : 39226614852 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Homologous organs show

1. Parallel Evolution
2. Convergent Evolution
3. Divergent Evolution
4. Micro Evolution

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 133 Question Id : 39226614853 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Darwin's finches with different shapes of beaks are an example of

1. Stabilising selection
2. Directional selection
3. Disruptive Selection
4. Genetic drift

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 134 Question Id : 39226614854 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The effect of $p\text{CO}_2$ and H^+ concentration on Oxygen affinity of haemoglobin is called

1. Hamburger's phenomenon
2. Bohr effect
3. Root effect
4. Haldane effect

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 135 Question Id : 39226614855 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Y-chromosome is a sex-determining chromosome in the mealworm, *Tenebrio molitor* was first identified by

1. Henking
2. Morgan
3. Correns and Tschamak
4. Stevens and Wilson

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 136 Question Id : 39226614856 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The dentition in Frog is

1. Pleurodont, Polyphyodont and Homodont
2. Acrodon, Polyphyodont and Homodont
3. Thecodont, Monophyodont and Heterodont
4. Pleurodont, Polyphyodont and Heterodony

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 137 Question Id : 39226614857 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The cell organelle that is involved in the acrosome formation during spermatogenesis

1. Ribosome
2. Endoplasmic Reticulum
3. Golgi Complex
4. Lysosome

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 138 Question Id : 39226614858 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Meselson and Stahl experimentally proved this model of DNA Replication

1. Semi - Conservative
2. Conservative
3. Dispersive
4. Semi dispersive

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 139 Question Id : 39226614859 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

This is a termination codon

- a. UAA
 - b. UAG
 - c. UGA
 - d. UUU
- 1. a, b, d
 - 2. b, c, d
 - 3. a, c, d
 - 4. a, b, c

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 140 Question Id : 39226614860 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Replacement of a purine / pyrimidine by another purine / pyrimidine in a polynucleotide chain is known as

- 1. Deletion
- 2. Insestion
- 3. Transition
- 4. Transversion

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 141 Question Id : 39226614861 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The type of placenta found in man is

1. Epitheliochorial
2. Syndesmochorial
3. Haemochorial
4. Haemoendothelial

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 142 Question Id : 39226614862 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Formation of glucose from proteins or lipids is known as

1. Glucogenesis
2. Glycogenesis
3. Glycolysis
4. Gluconeogenesis

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 143 Question Id : 39226614863 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Diabetes insipidus is due to

1. Hyposecretion of Insulin
2. Hypersecretion of Insulin
3. Hypersecretion of Vasopressin
4. Hyposecretion of Vasopressin

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 144 Question Id : 39226614864 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Find the correct sequence of passage of spermatozoa

1. Seminiferous tubules → Epididymis → Vas deferens → Ejaculatory duct → Urethra
2. Seminiferous tubules → Vas deferens → Epididymis → Urethra → Ejaculatory duct
3. Vas deferens → Seminiferous tubules → Epididymis → Ejaculatory duct → Urethra
4. Vas deferens → Seminiferous tubules → Ejaculatory duct → Epididymis → Urethra

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 145 Question Id : 39226614865 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Sliding filament theory explains the mechanism of

1. Conduction of Nerve Impulse
2. Contraction of muscle
3. Replication of DNA
4. Blood Clotting

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 146 Question Id : 39226614866 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the triploblastic, acoelomate, bilaterally symmetrical organism

1. Ctenophore
2. Fasciola
3. Wuchereria
4. Neries

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 147 Question Id : 39226614867 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Pharyngeal Nephredia in Earth worm are

1. Open - Exonephric
2. Open – Enteronephric
3. Closed - Exonephric
4. Closed - Enteronephric

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 148 Question Id : 39226614868 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the fresh water fish

1. Pristis
2. Scoliodon
3. Clarias
4. Carcharodon

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 149 Question Id : 39226614869 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Dynein arms are seen in

1. Octopus
2. Flagella
3. Lobopodia
4. Wings of bat

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 150 Question Id : 39226614870 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Which one of the following is correct with regard to excretion in periplanata

- | | |
|----------------------|--------------|
| I. Malpighian tubule | II. Fat body |
| III. Uricose gland | IV. Cuticle |
1. I only
 2. I & II
 3. I, II and III
 4. I, II, III & IV

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 151 Question Id : 39226614871 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Dobson units (DU) are used to measure

1. UV rays
2. Global warming
3. Ozone layer thickness
4. Radio activity

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 152 Question Id : 39226614872 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

“For every 10°C increase in temperature the Biological activity is doubled.” – This is

1. Van't Haff's rule
2. Bergman rule
3. Dalton rule
4. Allen's rule

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 153 Question Id : 39226614873 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The following is necessary for clotting of blood

1. Ca^{++} ions
2. Cl^- ions
3. Na^+ ions
4. Fe^{++} Ions

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 154 Question Id : 39226614874 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Which of the following is not connected circulatory system

1. Columnae carnea
2. Manubrium
3. Papillary muscles
4. Chordae tendineae

Options :

1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Question Number : 155 Question Id : 39226614875 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Myasthenia gravis is due to

1. Accumulation of Uric acid
2. Low blood calcium level
3. Degeneration of muscle
4. Auto immune disorder

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 156 Question Id : 39226614876 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A couple had two children, one with A blood group and other with B blood group. What are the possible genotypes of blood groups of the parents are

- | | |
|------------------------------|-----------------------------|
| I. $I^A I^O$ and $I^B I^O$ | II. $I^A I^B$ and $I^O I^O$ |
| III. $I^A I^B$ and $I^A I^A$ | IV. $I^A I^A$ and $I^O I^O$ |

1. I only
2. I & II
3. I & III
4. III & IV

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 157 Question Id : 39226614877 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Evolution of a new species in a single lineage is called

1. Anagenesis
2. Divergent evolution
3. Genetic Drift
4. Directional selection

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 158 Question Id : 39226614878 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The embryonic stem cells (ES cells) are

1. Totipotent
2. Multipotent
3. Unipotent
4. Pluripotent

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 159 Question Id : 39226614879 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Propolis is

1. Used in starter mash
2. A type of cross breeding
3. Bee glue used in treatment of Inflammation
4. A type of Net for fishing

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 160 Question Id : 39226614880 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The material used in clarification of wines is

1. Isinglass
2. Guano
3. Shagreen
4. Honey

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Section 5

Section Id :	392266468
Section Number :	5
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	40
Number of Questions to be attempted :	40

Section Marks : 20
Maximum Instruction Time : 0
Sub-Section Number : 1
Sub-Section Id : 392266498
Question Shuffling Allowed : Yes

Question Number : 161 Question Id : 39226614881 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Participation in Science club activity is a

1. Vicarious experience
2. Verbal experience
3. Direct experience
4. Nonverbal experience

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 162 Question Id : 39226614882 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is not a manipulative skill

1. arrangement of apparatus
2. conduct experiment with accuracy
3. repair apparatus
4. observe errors in apparatus

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 163 Question Id : 39226614883 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The evaluation conducted by a teacher before starting teaching learning process is

1. Diagnostic evaluation
2. Cumulative evaluation
3. Conditional evaluation
4. Initial evaluation

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 164 Question Id : 39226614884 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Halo effect is a limitation of this type of question

1. essay type
2. short answer type
3. multiple choice type
4. critical thinking type

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 165 Question Id : 39226614885 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following is not a three dimensional tool

1. Specimen
2. Mocup
3. Globe
4. Pegboard

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 166 Question Id : 39226614886 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

'Electronic Distribution of Instruction' concept was explained by

1. Hinich
2. Vygotsky
3. Weber
4. Thamus

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 167 Question Id : 39226614887 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Formula to calculate standard deviation of ungrouped data

1. $\sqrt{\frac{D^2}{N}}$
2. $\sqrt{\frac{\sum d^2}{N}}$
3. $\sqrt{\frac{\sum d.f}{N^2}}$
4. $\sqrt{\frac{\sum N}{d^2}}$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 168 Question Id : 39226614888 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

‘Obstructions in utilization of scientific resources’ concept was explained by

1. Edward, Tailor
2. Caltoonz, Roblyer
3. Hunchinson, Gibbon
4. Roadland, Atkinson

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 169 Question Id : 39226614889 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

‘Vicarious experiences’ means

1. direct experiences
2. verbal experiences
3. personal experiences
4. experience by observing models

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 170 Question Id : 39226614890 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Weightage given for conceptual understanding in summative assessment question paper

1. 25%
2. 40%
3. 15%
4. 10%

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 171 Question Id : 39226614891 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Statement not related to lecture method is

1. No democratic environment
2. Teacher dominates students
3. Cannot complete syllabus with in the fixed time schedule
4. No need of lab and other resources

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 172 Question Id : 39226614892 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

To develop the insight of learning, teacher may asks these type of questions

1. Critical awareness questions
2. Prompting questions
3. Redirection questions
4. Refocusing questions

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 173 Question Id : 39226614893 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Environment protection, concept of micro family are the key items of this education policy

1. National Curriculum Framework - 2005
2. Kothari Commission - 1966
3. National Education Policy - 1986
4. New Education Policy - 1992

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 174 Question Id : 39226614894 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A student translate the formula $C_6H_{12}O_6$ into the word glucose.
This specification belongs to this domain

1. cognitive
2. affective
3. psychomotor
4. reflective

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 175 Question Id : 39226614895 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following does not come under syntactic structure

1. Observation
2. Classification
3. Measurement
4. Concepts

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 176 Question Id : 39226614896 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

This is said as the First level of knowledge

1. Textual knowledge
2. Empirical knowledge
3. Theoretical knowledge
4. Hypothetical knowledge

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 177 Question Id : 39226614897 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

‘Virology’ is a

1. Pure branch of Science
2. Applied branch of Science
3. Related branch of Science
4. Modified branch of Science

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 178 Question Id : 39226614898 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

“Science is defined as careful, disciplined, logical search for knowledge about all aspects of the universe.” It is stated by

1. Henry Poincare
2. James Randy
3. A.W. Grees
4. Einstein

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 179 Question Id : 39226614899 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Holstein is a

1. medical plant
2. preventive type disease
3. milk giving animal
4. type of surgery

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 180 Question Id : 39226614900 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

This institution was formerly known as 'Deficiency Disease Enquiry'

1. Nutrition Research Laboratory
2. National Disaster Laboratory
3. National Immune Laboratory
4. National Institute of Health

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 181 Question Id : 39226614901 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

According to moral value of science 'Sivam' refers to

1. not to destroy balance in nature
2. aspiration about wellbeing of all living things
3. search for truth
4. observe nature

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 182 Question Id : 39226614902 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

According to J.K. Sood, Incorrect statement is

1. Goals are long term in nature
2. Goals are aimed for immediate purpose
3. Goals are aimed for ultimate propose
4. Aims are more specific than goals

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 183 Question Id : 39226614903 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Find correct order of steps in a scientific method

- a. Identification of problem
 - b. Apply generalization in new situations
 - c. Data collection
 - d. Recognize suitable hypothesis
- 1. a, b, c, d
 - 2. a, b, d, c
 - 3. c, a, b, d
 - 4. a, c, d, b

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 184 Question Id : 39226614904 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

A class 9th girl maintains aquarium in her home. This indicates that the girl has

- 1. Cultural value
- 2. Aesthetic value
- 3. Proper utilization of leisure time value
- 4. Utilitarian value

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 185 Question Id : 39226614905 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following is not a role of science teacher

1. Organizer
2. Curator
3. Explorer
4. Coordinator

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 186 Question Id : 39226614906 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

There is a box item about Sir Ronald Ross in the lesson 'Parasitology' in a Biological Science Textbook. This indicates

1. Historical perspective of biology
2. Economical perspective of biology
3. Mathematical perspective of biology
4. Language perspective of biology

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 187 Question Id : 39226614907 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following is not a core value of competency of a Biological Science teacher.

1. Integrity
2. Professionalism
3. Respect for diversity
4. Team work

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 188 Question Id : 39226614908 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

According to David R. Krothwohl an intrinsic evaluation system in the heart.

1. Receiving
2. Responding
3. Installation
4. Valuing

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 189 Question Id : 39226614909 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose the mismatched set from the following

- a. Cognitive domain - Body
 - b. affective domain - Heart
 - c. Psychomotor domain - Head
- 1. a
 - 2. b
 - 3. a, b
 - 4. a, c

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 190 Question Id : 39226614910 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following is not a character of an objective

- 1. It has specifications
- 2. It can be achieved in time frame
- 3. It can be evaluated
- 4. It can be measured by parents

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 191 Question Id : 39226614911 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Breaking down a large content into smaller parts and finding out logical relationship between these parts is known as

1. evaluation
2. classification
3. application
4. analysis

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 192 Question Id : 39226614912 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The objective 'characterization' belongs to this domain

1. cognitive
2. affective
3. psychomotor
4. cohesive

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 193 Question Id : 39226614913 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

In the Vogel's spot check evaluation scale number of indicators under Readability point.

1. 10
2. 6
3. 4
4. 5

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 194 Question Id : 39226614914 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The highest level of psychomotor domain is

1. Articulation
2. Precision
3. Naturalisation
4. Manipulation

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 195 Question Id : 39226614915 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Rotation, Division methods are the strategies in

1. Lecture cum demonstration method
2. Triangular method
3. Laboratory method
4. Instructional method

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 196 Question Id : 39226614916 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Mammals give milk to young ones, Dog gives milk to puppies.
Therefore dog is a mammal. This method is

1. Constructive
2. Differentiation
3. Inductive
4. Deductive

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 197 Question Id : 39226614917 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

'Project is a real life component imported into the school.' It is stated by

1. Ballard
2. Parkar
3. Killpatrick
4. Thomas

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 198 Question Id : 39226614918 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

5E model (constructivist approach) of lesson plan does not involve

1. Engage
2. Encourage
3. Explore
4. Evaluate

Options :

1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Question Number : 199 Question Id : 39226614919 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

According to J.C. Cliff, one of the following is not the stage in Micro teaching

1. Knowledge acquisition stage
2. Skill acquisition stage
3. Attitude acquisition stage
4. Transfer stage

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 200 Question Id : 39226614920 Question Type : MCQ Option Shuffling : No
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Choose incorrect matching about Edgarden cone of experience

1. Step 1 - 3 - Doing
2. Step 4 - 9 - Looking
3. Step 5 - 10 - Reading
4. Step 10 - 11 - Listening

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4