Telangana State Commissioner and Director of School Education

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 :	School Assistant Biological Science English 24th July 2024 Shift 2
Subject Name :	School Assistant Biological Science English
Duration :	150
Total Marks :	80
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No

School Assistant Biological Science

Group Number :	1
Group Id :	698177106
Group Maximum Duration :	0
Group Minimum Duration :	150
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	80

GK and Current Affairs

Section Id :	698177460
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 :	698177565
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 69817717696 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Eclipses of the same type repeat after an interval of just over

Options :

1. ✔ 18 years

2. ✖ 20 years

3. ✖ 16 years

4. ✖ 9 years

Question Number : 2 Question Id : 69817717697 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One among the following takes part in the election of President of India but **NOT** in the impeachment of President of India

Options :

1. ✖ Elected MPs of Rajya Sabha

2. ✔ Elected MLAs of State Legislative Assemblies

3. ✖ Elected MPs of Lok Sabha

4. ✖ Nominated MPs of both the houses of parliament

Question Number : 3 Question Id : 69817717698 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following Union Minister is **NOT** elected to the 18^{th} Lok Sabha

Options :

1. ✖ Dharmendra Pradhan

2. ✖ Rajnath Singh

3. ✔ Ashwini Vaishnaw

4. ✖ Chirag Paswan

Question Number : 4 Question Id : 69817717699 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

In a balanced diet of a human being, the intake of this substance should be highest in terms of quantity

Options :

1. ✔ Carbohydrates

2. ✖ Proteins

3. ✖ Fats

4. ✖

Minerals

Question Number : 5 Question Id : 69817717700 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the **INCORRECT** pair among the following players and the sport in which they are participating in the Summer Olympics in 2024 at Paris

Options :

1. ✖ Priyanka Goswami – Women's 20 KM walk

2. ✖ Parul Chaudhary – Women's 3000 m steeplechase

3. ✔ Avinash Sable – Men's 20 KM walk

4. ✖ Murali Sreeshankar – Men's Long Jump

Question Number : 6 Question Id : 69817717701 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

'Butterfly' is a type of event of this sport

Options :

1. ✖ Running

2. ✔ Swimming

3. ✖ Jumping

4. ✖ Throwing

Question Number : 7 Question Id : 69817717702 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The mascot of the National games of India held in 2022

Options :

1. ✔ Savaj

2. ✖ Moga

3. ✖ Ammu

4. ✖ Rongmon

Question Number : 8 Question Id : 69817717703 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

With the joining of Bulgaria and Romania in Schengen area in March, 2024, the two European Union member states that did **NOT** become part of Schengen area as on that date

Options :

1. ✖ Italy and Portugal

2. ✔ Cyprus and Ireland

3. ✖ France and Germany

4. ✖ Netherlands and Sweden

Question Number : 9 Question Id : 69817717704 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The United Nations Decade of Family Farming is led by

Options :

1. ✖ World Food Programme

2. ✖ International Labour Organisation

3. ✖ International Development Association

4. ✔ Food and Agriculture Organisation

Question Number : 10 Question Id : 69817717705 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify **INCORRECT** pair of internet zones

Options :

1. ✔ .mil.in – movie industry

2. ✖ .ac.in – academic institutions

3. ✖ .gov.in – Indian government

4. ✖ .res.in – research institutions

Question Number : 11 Question Id : 69817717706 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The first film production company established by a Telugu person among the following

Options :

1. ✖ Gemini Studios

2. ✖ Imperial Studios

3. ✔ Star of East Films

4. ✖ Vijaya Studios

Question Number : 12 Question Id : 69817717707 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is **NOT** a religious festival

Options :

1. ✖ Mahavir Jayanthi

2. ✔ Lohri

3. ✖ Easter

4. ✖ Buddha Purnima

Question Number : 13 Question Id : 69817717708 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The month that has 31 days in a leap year in Saka Calendar

Options :

1. ✖ Magha

2. ✖ Phalguna

3. ✔ Chaitra

4. ✖ Kartika

Question Number : 14 Question Id : 69817717709 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In the abbreviation 'AYUSH', a Ministry in the Government of India letter 'S' stands for

Options :

1. ✖ Susrutha

2. ✖ Sanskrit

3. ✔ Siddha

4. ✖ Sreshta

Question Number : 15 Question Id : 69817717710 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Forest Survey of India is located at

Options :

1. ✖ New Delhi

2. ✔ Dehradun

3. ✖ Kolkata

4. ✖ Shimla

Question Number : 16 Question Id : 69817717711 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Curcumin, the chemical that has many medical benefits is extracted from

Options :

1. ✖ Tobacco

2. ✖ Cinnamon

3. ✔ Turmeric

4. ✖ Clove

Question Number : 17 Question Id : 69817717712 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The Training Command of Indian Army is located at

Options :

1. ✔ Shimla

2. ✖ Kolkata

3. ✖ Pune

4. ✖ Lucknow

Question Number : 18 Question Id : 69817717713 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Rashtriya Vayoshri Yojana (RVY) is a scheme of Central Government under which assistive living devices are provided to this category of senior citizens suffering from age related disabilities

Options :

1. ✖ are above 80 years

2. ✖ live in rural areas

3. ✖ illiterates

4. ✔ belong to BPL category

Question Number : 19 Question Id : 69817717714 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The mirrors used for checking explosives underneath cars are

Options :

1. ✖ Plane mirrors

2. ✔ Convex mirrors

3. ✖ Concave mirrors

4. ✖ Concave-convex mirrors

Question Number : 20 Question Id : 69817717715 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The book written by Jhumpa Lahiri among the following

Options :

1. ✖ Suitable Boy

2. ✖ God of Small Things

3. ✖ Train to Pakistan

4. ✔ Interpreter of Maladies

Perspectives in Education

Section Id :	698177461
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 :	698177566
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 69817717716 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

What was the primary method of teaching at Ancient Nalanda University?

Options :

1. ✖ Lecture-based teaching

2. ✖ Reading only textbooks

3. ✔ Debate and discussions

4. ✖ by hearting the lessons

Question Number : 22 Question Id : 69817717717 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following was recommended by Indian Education Commission (1964–66)

Options :

1. ✖ Up-gradation of 250 colleges of education as Colleges of Teacher Education (CTEs).

2. ✖ Establishment of District Institute for Education and Training (DIET) in each district.

3. ✖ Establishment of Extension Services Departments in about 100 Teacher Training Colleges.

4. ✔ Establishment of 'School complexes' with a nodal school shouldering the responsibility for the professional development of all teachers working in the schools in the complex.

Question Number : 23 Question Id : 69817717718 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Which of the following philosophers influenced Gandhi's thinking on Education?

Options :

1. ✖ Rabindranath Tagore

2. ✔ Leo Tolstoy

3. ✖ Socrates

4. ✖ Betrund Russel

Question Number : 24 Question Id : 69817717719 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

According to National Curriculum Framework for Teacher Education 2009, which of the following is part of the Curricular Studies?

A) Knowledge and Curriculum

B) Language Proficiency and Communication

C) Mathematics

D) Sciences

E) Social Sciences

Choose the correct answer:

Options :

1. ✔ A, B, C, D & E

2. ✖ A, B & C only

3. ✖ A & B only

4. ✖ C, D & E only

Question Number : 25 Question Id : 69817717720 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Which of the following is required as a performance indicator to assess the performance of a teacher working in a middle school?

A) Collects and prepares relevant teaching learning materials

B) Plans for engaging children in learning activities

C) Uses record of students' performance

D) Uses textbooks and other relevant documents while planning

Choose the correct answer:

Options :

1. ✔ A, B, C & D

2. ✖ A, B & C only

3. ✖ B, C & D only

4. ✖ A & B only

Question Number : 26 Question Id : 69817717721 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Read the following two statements (A) and (B) to complete the given sentence

School is an agent of socialization because _____.

Statement A: School teaches knowledge and skill

Statement B: School exposes to greater social diversity

Choose the correct answer:

Options :

1. ✔ Both A and B are true

2. ✖ Only (A) is true

3. ✖

Only (B) is true

4. ✖ Both (A) and (B) are false

Question Number : 27 Question Id : 69817717722 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Who was the first person to recognize the relationship between Economics and Education?

Options :

1. ✖ Theodore W. Schultz

2. ✖ Eric Hanushek

3. ✔ Adam Smith

4. ✖ Thomas Kane

Question Number : 28 Question Id : 69817717723 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One among the following is **NOT** a gender stereotype.

Options :

1. ✖ Boys are slower than girls in reading

2. ✖ Girls are naturally quieter than boys

3. ✖ Science and maths are boys' subjects

4. ✔ Both boys and girls are equally skilled at sports and games.

Question Number : 29 Question Id : 69817717724 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

To study 'the impact of reward on achievement of class-V students' using Experimental Method, a teacher has given a reward to only one section of class-V, i.e., section 'A' ignoring the other section, i.e., section 'B'. Here, the control Group is

Options :

1. ✖ there is no Control Group

2. ✔ Section – B

3. ✖ Section – A

4. ✖ Class-V

Question Number : 30 Question Id : 69817717725 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

According to Noam Chomsky, 'children are born with a biological in-built mechanism', this is known as

Options :

1. ✖ Language Accepting Device (LAD)

2. ✔ Language Acquisition Device (LAD)

3. ✖ Language Accelerating Device (LAD)

4. ✖ Language Adopting Device (LAD)

Question Number : 31 Question Id : 69817717726 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

According to Piaget, the process whereby one's cognitive structure is 'modified' or 'expanded' or 'improved upon' to adjust to the integration of new experience into the system is

Options :

1. ✖ Schema

2. ✖ Assimilation

3. ✔ Accommodation

4. ✖ Equilibration

Question Number : 32 Question Id : 69817717727 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following is exclusively innate

Options :

1. ✖ Attitude

2. ✖ Interest

3. ✖ Habits

4. ✔ Aptitude

Question Number : 33 Question Id : 69817717728 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Learning of a student is improved due to the reward announced by the teacher. Here, the factor that influenced the learning is

Options :

1. ✔ Environmental

2. ✖ Learning Material

3. ✖ Personal

4. ✖ Environmental and personal

Question Number : 34 Question Id : 69817717729 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Sita, a class I student who can do single digit additions by herself, will do two digit additions correctly with the help of the teacher. According to Vygotsky, the difference between what Sita can do alone independently and what she can do with the help of the teacher is

Options :

1. ✖ Collaborative activity

2. ✖ Scaffolding

3. ✔ Zone of Proximal Development

4. ✖ Mental function

Question Number : 35 Question Id : 69817717730 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In-service education of the teachers becomes necessary because

Options :

1. ✖ it is in the job chart of the NCERT, SCERTs and DIETs.

2. ✖ it is linked with the annual grade increment.

3. ✔ to update oneself on the pedagogy and the skills required to adopt innovative practices

4. ✖ it is mandatory to get awards and rewards.

Question Number : 36 Question Id : 69817717731 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

NCTE's main function **DOES NOT** involve the following.

Options :

1. ✖ To set and maintain standards for teacher education programs

2. ✖ To ensure the quality of teacher education institutions

3. ✖ To promote research and innovation in the field of teacher education

4. ✔ To offer formal courses to university faculty

Question Number : 37 Question Id : 69817717732 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

What is the primary purpose of the Sustainable Development Goals (SDGs)?

Options :

1. ✖ To achieve global political stability

2. ✖ To promote economic growth

3. ✔ To provide a blueprint for peace and prosperity

4. ✖ To solve all of the world's problems

Question Number : 38 Question Id : 69817717733 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

'An Essay on Principles of Population' was written by

Options :

1. ✖ Jean Jacques Rousseau

2. ✔ Thomas Robert Malthus

3. ✖ Karl Marks

4. ✖ John M Keynes

Question Number : 39 Question Id : 69817717734 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

How does globalization impact access to education?

Options :

1. ✔ It decentralizes the education system.

2. ✖ It eliminates screening in education.

3. ✖ It ensures equal access for all students.

4. ✖ It restricts access through commercialization and privatization.

Question Number : 40 Question Id : 69817717735 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

What does LMS stand for in the context of educational technology?

Options :

1. ✖ Learning Management Science

2. ✖ Learning Methodology Systems

3. ✔ Learning Management Systems

4. ✖ Learning Media Solutions

Content

Section Id :	698177462
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	88
Number of Questions to be attempted :	88
Section Marks :	44
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	698177567
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 69817717736 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The Science that deals with functioning of various organs in the body of living organisms is

Options :

1. ✖ Ethology

2. ✖ Ecology

3. ✔ Physiology

4. ✖ Morphology

Question Number : 42 Question Id : 69817717737 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the correct pairs.

A) Sir Charles Lyell : Principles of Geology

B) Alfred Russel Wallace : Germ Plasma Theory

C) Rosalind Franklin and Maurice Wilkins : X-ray Crystallography on DNA

D) Charles Darwin : The origin of species

Choose the correct answer:

Options :

1. ✖ A, B & D only

2. ✔ A, C & D only

3. ✖ B & C only

4. ✖ C & D only

Question Number : 43 Question Id : 69817717738 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following organisation works to protect wildlife and habitats.

Options :

1. ✖ UNSC

2. ✖ UNGA

3. ✖ UNDP

4. ✔ IUCN

Question Number : 44 Question Id : 69817717739 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the **INCORRECT** pairs.

A) *Cyanobacteria* – Bacteria

B) *Cyclops* – Microarthropod

C) *Saccharomyces* – Fungus

D) *Ceratium* – Protozoan

Choose the correct answer:

Options :

1. ✔ A & D only

2. ✖ B & C only

3. ✖ A & C only

4. ✖ C & D only

Question Number : 45 Question Id : 69817717740 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the diseases that may be caused by bacteria from the following.

A) Kala – azar

B) Elephantiasis

C) Anthrax

D) Botulism

E) Peptic ulcers

F) Sleeping sickness

Choose the correct answer:

Options :

1. ✖ A, C & D

2. ✖ B, D & F

3. ✔ C, D & E

4. ✖ A, E & F

Question Number : 46 Question Id : 69817717741 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the pair of macronutrients of the plants from the following.

Options :

1. ✖ Mn, Mo

2. ✔ Mg, S

3. ✖ Cu, Zn

4. ✖ Fe, Cl

Question Number : 47 Question Id : 69817717742 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Animals of this phylum are bilaterally symmetrical, triploblastic and have a pseudocoelom

Options :

1. ✖ Protochordata

2. ✖ Platyhelminthes

3. ✔ Nematoda

4. ✖ Coelentarate

Question Number : 48 Question Id : 69817717743 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Which one of the following is related to the scheme – 'operation flood'?

Options :

1. ✔ Milk production

2. ✖ Poultry farm management

3. ✖ Natural Disasters management

4. ✖ Fish and Prawn culture

Question Number : 49 Question Id : 69817717744 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Read the sentences about nitrification.

A) *Nitrosomonas* oxidizes NH_3 to NO_2

B) *Nitrobacter* converts N_2 to NH_3

Choose the correct answer:

Options :

1. ✖ Both are correct

2. ✖ Both are incorrect

3. ✖ Statement A is incorrect, Statement B is correct

4. ✔ Statement A is correct, Statement B is incorrect

Question Number : 50 Question Id : 69817717745 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In a food chain, 2^{nd} (second) trophic level is always occupied by these organisms.

Options :

1. ✖ Producers

2. ✔ Herbivores

3. ✖ Omnivores

4. ✖ Carnivores

Question Number : 51 Question Id : 69817717746 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Match the following.

A)	Porifera	i)	Jelly fish
B)	Cnidaria	ii)	Sea Urchins
C)	Mollusca	iii)	Euplectella
D)	Echinodermata	iv)	Sacculina
		v)	Dentalium

Choose the correct answer:

Options :

1. ✖ A – v; B – iv; C – i; D - ii

2. ✖ A – ii; B – i; C – iv; D – iii

3. ✖ A – iv; B – iii; C – v; D – i

4. ✔ A – iii; B – i; C – v; D – ii

Question Number : 52 Question Id : 69817717747 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the 'poikilothermic' animal from the following.

Options :

1. ✔ Crocodile

2. ✖ Dolphin

3. ✖ Penguin

4. ✖ Kiwi

Question Number : 53 Question Id : 69817717748 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct statements.

A) Fern plants are cryptogams with true roots & leaves.

B) Conifers are tracheophytes with naked seeds.

C) Moss plants are atrachyophytic embryophytes.

D) Gymnosperms are archegoniate phanerogams.

Choose the correct answer:

Options :

1. ✖ A, B & C only

2. ✖ B, C & D only

3. ✖ A, B & D only

4. ✔ A, B, C & D

Question Number : 54 Question Id : 69817717749 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the mineral nutrient that helps plant resistance towards pests from the following

Options :

1. ✖ Nitrogen

2. ✖ Phosphorus

3. ✔ Potassium

4. ✖ Sulphur

Question Number : 55 Question Id : 69817717750 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the Sexually Transmitted Disease that is caused by *Treponema Pallidum.*

Options :

1. ✔ Syphilis

2. ✖ Gonorrhea

3. ✖ Chlamydiasis

4. ✖ Trichomoniasis

Question Number : 56 Question Id : 69817717751 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the products formed in light dependant phase of photosynthesis from the following.

A) Glucose

B) Oxygen

C) ATP

D) NADPH

Choose the correct answer:

Options :

1. ✖ A & B only

2. ✖ C & D only

3. ✖ A, C & D only

4. ✔ B, C & D only

Question Number : 57 Question Id : 69817717752 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the enzyme secreted by gastric glands.

Options :

1. ✖ Trypsin

2. ✔ Pepsin

3. ✖ Lysozyme

4. ✖ Amylase

Question Number : 58 Question Id : 69817717753 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Match the following.

A)	Biotin	i)	Burning feet
B)	Pantothenic acid	ii)	Glossitis
C)	Folic acid	iii)	Pernicious anaemia
D)	Riboflavin	iv)	Anaemia
		v)	Nervous disorder

Choose the correct answer:

Options :

1. ✖ A – v; B – i; C – ii; D – iv

2. ✖ A – iv; B – ii; C – v; D – iii

3. ✔ A – v; B – i; C – iv; D – ii

4. ✖ A – iii; B – ii; C – iv; D – i

Question Number : 59 Question Id : 69817717754 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the end products formed in glycolysis of cellular respiration.

Options :

1. ✖ Lactic acid, energy

2. ✖ Ethanol, CO_2, energy

3. ✔ Pyruvic acid, energy

4. ✖ Butyric acid, energy

Question Number : 60 Question Id : 69817717755 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct pair of organisms with an open circulatory system.

Options :

1. ✔ Leech and Ascidian

2. ✖ Earthworm and Octopus

3. ✖ Octopus and Amphioxus

4. ✖ Amphioxus and Star fish

Question Number : 61 Question Id : 69817717756 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the valve present on right auriculo-ventricular septum of human heart.

Options :

1. ✖ Bicuspid valve

2. ✔ Tricuspid valve

3. ✖ Thabasius valve

4. ✖ Eustachean valve

Question Number : 62 Question Id : 69817717757 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Read the statements about honey bees and identify the correct answer.

A) Female bees receive 16 chromosomes from mother bee and 16 chromosomes from father bee

B) Male bees receive only 16 chromosomes from mother bee

Choose the correct answer:

Options :

1. ✖ A is correct, B is incorrect

2. ✖ A is incorrect, B is correct

3. ✔

Both A & B are correct

4. ✖ Both A & B are incorrect

Question Number : 63 Question Id : 69817717758 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the 'test cross' from the following

Options :

1. ✖ a cross between homozygous dominant and recessive plant

2. ✔ a cross between recessive parent and F_1 hybrid

3. ✖ a cross between two heterozygous F_1 hybrids

4. ✖ a cross between homozygous dominant parent and F_1 hybrids

Question Number : 64 Question Id : 69817717759 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The deficiency of this hormone causes 'diabetes insipidus' in humans.

Options :

1. ✖ Glucagon

2. ✖ Insulin

3. ✔ Vasopressin

4. ✖ Adrenalin

Question Number : 65 Question Id : 69817717760 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Match the following.

A)	Platyhelminthes	i)	Metanephridia
B)	Nematoda	ii)	Green glands
C)	Arthropoda	iii)	Flame cells
D)	Mollusca	iv)	Renette cells

Choose the correct answer:

Options :

1. ✖ A – iv; B – iii; C – ii; D – i

2. ✔ A – iii; B – iv; C – ii; D – i

3. ✖ A – iv; B – iii; C – i; D – ii

4. ✖ A – iii; B – iv; C – i; D – ii

Question Number : 66 Question Id : 69817717761 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Read the following sentences

A) Liver produces bile pigments i.e., bilirubin, biliverdin and urochrom which are metabolic wastes of haemoglobin of dead RBC

B) Liver is involved in urea formation.

Choose the correct answer:

Options :

1. ✔ Both A & B are correct

2. ✖

Both A & B are incorrect

3. ✖ A is correct, B is incorrect

4. ✖ A is incorrect, B is correct

Question Number : 67 Question Id : 69817717762 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the **INCORRECT** pairs

A) *Datura Stramonium* – Pyrethroids

B) *Papaver Somniferum* – Cocain

C) *Chrysanthemum* sps. – Scopolamine

D) *Cinchona officinalis* – Quinine

Choose the correct answer:

Options :

1. ✔ A & C only

2. ✖ A & D only

3. ✖ B & C only

4. ✖ B & D only

Question Number : 68 Question Id : 69817717763 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the endospermic seeds from the following

A) Castor

B) Ground nut

C) Beans

D) Maize

Choose the correct answer:

Options :

1. ✖ A & B only

2. ✔ A & D only

3. ✖ B, C & D only

4. ✖ A, C & D only

Question Number : 69 Question Id : 69817717764 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the part of human brain that coordinates reflexes like swallowing, coughing, sneezing and vomiting

Options :

1. ✖ Cerebrum

2. ✖ Cerebellum

3. ✔ Medulla oblongata

4. ✖ Diencephalon

Question Number : 70 Question Id : 69817717765 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This phytohormone helps in delaying the ageing process in leaves

Options :

1. ✖ Auxins

2. ✖ Gibberellins

3. ✖ Absisic acid

4. ✔ Cytokinins

Question Number : 71 Question Id : 69817717766 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the organism which respires through bucco-pharyngeal cavity.

Options :

1. ✖ Fish

2. ✔ Frog

3. ✖ Dolphin

4. ✖ Penguin

Question Number : 72 Question Id : 69817717767 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Strawberry reproduces vegetatively by these modifications

Note: For this question, discrepancy is found in

question/answer. Full Marks is being awarded to all candidates.

Options :

1. Bulbs

2. Suckers

3. Bulbs

4. Rhizomes

Question Number : 73 Question Id : 69817717768 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the plant with incomplete flowers.

Options :

1. ✖ Mustard

2. ✖ Pea

3. ✖ Onion

4. ✔ Cucumber

Question Number : 74 Question Id : 69817717769 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the haploid structure of flowering plants from the following

Options :

1. ✔ Embryo sac

2. ✖ Embryo

3. ✖ Ovule

4. ✖ Ovary

Question Number : 75 Question Id : 69817717770 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The phrase "Omnis cellula–e–cellula" was first coined by

Options :

1. ✖ Walther Flemming

2. ✔ Rudolf Virchow

3. ✖ Robert Brown

4. ✖ Eduard Strasburger

Question Number : 76 Question Id : 69817717771 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the longest phase of the cell cycle

Options :

1. ✖ Prophase

2. ✖ Metaphase

3. ✔ Interphase

4. ✖

Telophase

Question Number : 77 Question Id : 69817717772 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the hormone that suppresses hunger in humans

Options :

1. ✖ Ghrelin

2. ✔ Leptin

3. ✖ Gastrin

4. ✖ Secretin

Question Number : 78 Question Id : 69817717773 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This type of teeth which are least in number in a normal adult human having

32 teeth

Options :

1. ✖ Molars

2. ✖ Premolars

3. ✔ Canines

4. ✖ Inscisors

Question Number : 79 Question Id : 69817717774 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the dominant traits in *Pisum* (pea plant) from the following

A) Axial flowers

B) Yellow pod

C) Terminal flowers

D) Green pod

E) Green seed

F) Yellow seed

Choose the correct answer:

Options :

1. ✔ A, D & F only

2. ✖ B, C & E only

3. ✖ A, B & E only

4. ✖ C, D & F only

Question Number : 80 Question Id : 69817717775 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

When two heterozygous tall pea plants are crossed, how much percentage of offspring would be of homozygous tall?

Options :

1. ✔ 25

2. ✖ 50

3. ✖ 75

4. ✖ 100

Question Number : 81 Question Id : 69817717776 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Mendel's law of segregation states that,

Options :

1. ✖ Each gamete receives two alleles for a trait

2. ✖ All the gametes always receive dominant alleles and hide recessive alleles

3. ✔ Maternal and paternal alleles separate during gamete formation

4. ✖ The alleles of two different genes get sorted into gametes independently of one another

Question Number : 82 Question Id : 69817717777 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

This part of the body is affected by 'glaucoma disease'.

Options :

1. ✖ Kidneys

2. ✖ Liver

3. ✔ Eyes

4. ✖ Pancreas

Question Number : 83 Question Id : 69817717778 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Read the statements and identify the correct answer.

A) Rods are associated with the vision in day light

B) Vitamin–A is essential for the formation of visual purple in the retina that allows vision in dim light.

Choose the correct answer:

Options :

1. ✖ A is correct, B is incorrect

2. ✔ A is incorrect, B is correct

3. ✖ Both A & B are correct

4. ✖ Both A & B are incorrect

Question Number : 84 Question Id : 69817717779 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the 'Rabi' crops from the following.

A) Cotton

B) Wheat

C) Maize

D) Mustard

E) Chickpea

F) Sugarcane

Choose the correct answer:

Options :

1. ✖ A, B & F only

2. ✖ C, D & F only

3. ✖ A, C & E only

4. ✔ B, D & E only

Question Number : 85 Question Id : 69817717780 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the weedicide which controls the dicot weeds.

Options :

1. ✖ Indole 3 – Acetic acid

2. ✖ 6–Benzyl amino purine

3. ✔ 2, 4 – Dichlorophenoxy acetic acid

4. ✖ Gibberellic acid

Question Number : 86 Question Id : 69817717781 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In this part of human female reproductive system fertilization takes place.

Options :

1. ✖ Vagina

2. ✔ Fallopian tube

3. ✖ Cervical canal

4. ✖ Uterus

Question Number : 87 Question Id : 69817717782 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following indigenous breed of poultry is reputed for its fighting and delicious meat quality.

Options :

1. ✔ Aseel

2. ✖ Kadaknath

3. ✖ Chittagang

4. ✖ Bursa

Question Number : 88 Question Id : 69817717783 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the number of generations of mitosis required to produce 256 cells from a single mother cell.

Options :

1. ✔ 8

2. ✖ 16

3. ✖ 64

4. ✖ 128

Question Number : 89 Question Id : 69817717784 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the root modifications which store food materials from the following.

A) Sweet Potato

B) Potato

C) *Asparagus*

D) Ginger

E) Turnip

F) *Opuntia*

Choose the correct answer:

Options :

1. ✖ C, E & F only

2. ✖ A, B & D only

3. ✖ B, D & F only

4. ✔ A, C & E only

Question Number : 90 Question Id : 69817717785 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following food grain is known as 'global grain'.

Options :

1. ✖ Wheat

2. ✖ Barley

3. ✔ Rice

4. ✖ Corn

Question Number : 91 Question Id : 69817717786 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The cell organelle which synthesizes the cell wall and cell plate during cell division in plant cells is.

Options :

1. ✖ Smooth Endoplasmic Reticulum (SER)

2. ✔ Golgi complex

3. ✖ Ribosomes

4. ✖ Rough Endoplasmic Reticulum (RER)

Question Number : 92 Question Id : 69817717787 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the cells of areolar tissue in animals.

A) Fibroblasts

B) Mast cells

C) Macrophages

D) Cartilage

Choose the correct answer:

Options :

1. ✖ A & B only

2. ✖ C & D only

3. ✔ A, B & C only

4. ✖ B, C & D only

Question Number : 93 Question Id : 69817717788 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the process which refers to the use of living organisms to remove contaminants and pollutants from soil or water

Options :

1. ✖ Bioaccumulation

2. ✔ Bioremediation

3. ✖ Biomagnification

4. ✖ Biofortification

Question Number : 94 Question Id : 69817717789 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Match the following.

A)	Assam	i)	Bandipur National Park
B)	Uttarakhand	ii)	Gir National Park
C)	Karnataka	iii)	Kanha National Park
D)	Gujarat	iv)	Kaziranga National Park
		v)	Corbett National Park

Choose the correct answer:

Options :

1. ✖ A – iii; B – iv; C – ii; D - i

2. ✖ A – iv; B – v; C – iii; D – ii

3. ✖ A – v; B – iv; C – i; D – iii

4. ✔ A – iv; B – v; C – i; D – ii

Question Number : 95 Question Id : 69817717790 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Arrange the following stages in the evolution of modern man in a correct sequence.

A) *Homo neanderthalensis*

B) *Homo erectus*

C) *Homo habilus*

D) *Homo sapiens*

Choose the correct answer:

Options :

1. ✔ C → B → A → D

2. ✖ $B \rightarrow C \rightarrow D \rightarrow A$

3. ✖ $B \rightarrow C \rightarrow A \rightarrow D$

4. ✖ $A \rightarrow C \rightarrow B \rightarrow D$

Question Number : 96 Question Id : 69817717791 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

'Mule' is the hybrid offspring of these two animals

Options :

1. ✔ Male donkey, Female horse

2. ✖ Female donkey, Male horse

3. ✖ Female donkey, Male Hinny

4. ✖ Male Hinny, Female horse

Question Number : 97 Question Id : 69817717792 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The taste buds are absent in these papillae.

Options :

1. ✖ Fungiform papillae

2. ✖ Circumvallate papillae

3. ✔ Filiform papillae

4. ✖ Foliate papillae

Question Number : 98 Question Id : 69817717793 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the behaviour shown by ducklings that recognise their mother after first few hours of their hatching.

Options :

1. ✖ Instinct

2. ✔ Imprinting

3. ✖ Conditioning

4. ✖ Imitation

Question Number : 99 Question Id : 69817717794 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the 'twilight zone' of Marine ecosystem.

Options :

1. ✖ Abyssal

2. ✖ Profundal

3. ✖ Euphotic

4. ✔ Bathyal

Question Number : 100 Question Id : 69817717795 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Read the statements about "green house gases" and identify the correct answer.

A) The natural green house gases maintain the earth's temperature and provide the ideal condition for life.

B) Due to burning of fossil fuels, deforestation and industrialization CO_2 and other green house gases emitted excessively into the environment, which results in global warming.

Choose the correct answer:

Options :

1. ✔ A & B both are correct

2. ✖ A & B both are incorrect

3. ✖ A is incorrect, B is correct

4. ✖ A is correct, B is incorrect

Question Number : 101 Question Id : 69817717796 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the involuntary metabolic activity from the following which is coordinated by Parasympathetic Nervous System.

Options :

1. ✖ Inhibits salivation

2. ✔ Decreases the rate of heart beat

3. ✖ Inhibits pancreatic activity

4. ✖ Relaxes bronchi

Question Number : 102 Question Id : 69817717797 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The high value of Biological Oxygen Demand indicates that,

Options :

1. ✖ Less O_2 is being removed from water

2. ✖ Absence of microbial action

3. ✔ Water is highly polluted

4. ✖ More O_2 is available to higher forms of aquatic life

Question Number : 103 Question Id : 69817717798 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Rearing of *Bombyx mori* is known as

Options :

1. ✔ Sericulture

2. ✖ Silviculture

3. ✖ Vermiculture

4. ✖ Apiculture

Question Number : 104 Question Id : 69817717799 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the inverted pyramid from the following

Options :

1. ✖ Pyramid of numbers in a grassland ecosystem

2. ✖ Pyramid of biomass in a grassland ecosystem

3. ✖ Pyramid of energy in a forest ecosystem

4. ✔ Pyramid of biomass in a pond ecosystem

Question Number : 105 Question Id : 69817717800 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Identify the non-renewable energy resource from the following

Options :

1. ✖ Solar energy

2. ✔ Natural gas

3. ✖ Biogas

4. ✖ Tidal energy

Question Number : 106 Question Id : 69817717801 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

'Mycorrhiza' is a symbiotic association between these two.

Options :

1. ✖ A fungus and an alga

2. ✖ A bacterium and a fungus

3. ✔ A fungus and roots of higher plants

4. ✖ A bacterium and roots of higher plants

Question Number : 107 Question Id : 69817717802 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Read the following statements

A) *Thiomargarita namibiensis* is a bacterium, which can be seen with naked eye.

B) Nearly half of the O_2 in the atmosphere is produced by the microalgae.

Choose the correct answer:

Options :

1. ✖ A is incorrect, B is correct

2. ✖ A is correct, B is incorrect

3. ✔ Both A & B are correct

4. ✖ Both A & B are incorrect

Question Number : 108 Question Id : 69817717803 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Triple Antigen Vaccine (DPT) **DOES NOT** provide immunity against the following disease.

Options :

1. ✖ Diphtheria

2. ✖ Pertussis

3. ✖ Tetanus

4. ✔ Typhoid

Question Number : 109 Question Id : 69817717804 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the fungal plant diseases from the following

A) Citrus canker

B) Red rot of sugarcane

C) Smut disease of rice

D) Tikka disease of ground nut

E) Tobacco mosaic disease

Choose the correct answer:

Options :

1. ✖ A, B & E only

2. ✔ B, C & D only

3. ✖ C, D & E only

4. ✖ A, D & E only

Question Number : 110 Question Id : 69817717805 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the type of cells which are involved in the production of antibodies

Options :

1. ✔ Lymphocytes

2. ✖ Macrophages

3. ✖ Mast cells

4. ✖ Monocytes

Question Number : 111 Question Id : 69817717806 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the **INCORRECT** statement about muscles

Options :

1. ✖ Non– striated muscles are uninucleated

2. ✖ Cardiac muscles resemble the striated muscle and are involuntary muscles

3. ✖ Smooth muscles are involuntary muscles

4. ✔ Non–striated muscles are skeletal muscles, mostly attached to bones.

Question Number : 112 Question Id : 69817717807 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In 1952 Vaccine for polio was discovered by

Options :

1. ✖

Dr. Edward Jenner

2. ✖ Dr. Y. Subba Rao

3. ✖ Dr. Howard Florey

4. ✔ Dr. Jonas Salk

Question Number : 113 Question Id : 69817717808 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the number of cartilages which form voice box (or) larynx.

Options :

1. ✖ 3

2. ✖ 5

3. ✖ 7

4. ✔ 9

Question Number : 114 Question Id : 69817717809 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify a hormone which is secreted only in female humans from the following.

Options :

1. ✖ Follicle Stimulating Hormone

2. ✔ Progesteron

3. ✖ Adrenalin

4. ✖ Leutinizing Hormone

Question Number : 115 Question Id : 69817717810 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the animal which is **NOT** an endemic species from the following.

Options :

1. ✔ Asiatic elephant

2. ✖ Kiwi

3. ✖ Kangaroo

4. ✖ Ant Eater

Question Number : 116 Question Id : 69817717811 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the primary pollutant from the following.

Options :

1. ✖ Peroxy Acetyl Nitrate

2. ✔ Carbon monoxide

3. ✖ Ozone

4. ✖ Nitric acid

Question Number : 117 Question Id : 69817717812 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following organs are example for 'Divergent evolution'

Options :

1. ✖ Primitive

2. ✖ Vestigial

3. ✔ Homologous

4. ✖ Analogous

Question Number : 118 Question Id : 69817717813 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Seeds of this plant are used for the production of biodiesel

Options :

1. ✖ *Gliricidia*

2. ✔ *Jatropha*

3. ✖ *Atropa*

4. ✖ *Gloriosa*

Question Number : 119 Question Id : 69817717814 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Fertility related disorders are due to deficiency of this vitamin.

Options :

1. ✔ Tocoferol

2. ✖ Pyridoxine

3. ✖ Phylloquinone

4. ✖ Cyanocobalamin

Question Number : 120 Question Id : 69817717815 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the **INCORRECT** statement about cyanobacteria

Options :

1. ✖ They are autotrophs

2. ✖ They are blue-green algae

3. ✖ They are structurally prokaryotic

4. ✔ They are unicellular

Question Number : 121 Question Id : 69817717816 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct pair of phytohormones which are used in tissue culture technique to induce organogenesis from callus

Options :

1. ✖ ABA, Ethylene

2. ✔ Auxins, Cytokinins

3. ✖ ABA, Gibberellins

4. ✖ Ethylene; Gibberellins

Question Number : 122 Question Id : 69817717817 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the dead tissue of plants from the following

Options :

1. ✖ Parenchyma

2. ✖ Collenchyma

3. ✔ Sclerenchyma

4. ✖ Meristem

Question Number : 123 Question Id : 69817717818 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This branch of biology deals with the study of vascular cryptogams.

Options :

1. ✔ Pteridology

2. ✖ Bryology

3. ✖ Phycology

4. ✖ Lichenology

Question Number : 124 Question Id : 69817717819 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This is **NOT** the characteristic feature of chordates.

Options :

1. ✖ Have a notochord

2. ✖ They are coelomates

3. ✔ They are diploblastic

4. ✖ Have caudal fin

Question Number : 125 Question Id : 69817717820 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This is **NOT** a part of middle ear.

Options :

1. ✖ Malleus

2. ✔ Bony labyrinth

3. ✖ Incus

4. ✖ Stapes

Question Number : 126 Question Id : 69817717821 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Brittle stars are found in this oceanic zone

Options :

1. ✖ Profundal

2. ✖ Euphotic

3. ✖ Bathyal

4. ✔ Abyssal

Question Number : 127 Question Id : 69817717822 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The 'Red Data Book' contains the data of these species.

Options :

1. ✔ Endangered species

2. ✖ Extinct organisms

3. ✖ Endemic species

4. ✖ Wild organisms

Question Number : 128 Question Id : 69817717823 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The cell organelle which is involved in detoxification of many poisons and drugs is

Options :

1. ✖ Golgi complex

2. ✖ Lysosomes

3. ✖ Rough Endoplasmic Reticulum

4. ✔ Smooth Endoplasmic Reticulum

Methodology

Section Id :	698177463
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	32
Number of Questions to be attempted :	32
Section Marks :	16
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	698177568
Question Shuffling Allowed :	Yes

Question Number : 129 Question Id : 69817717824 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The scientist known for his contributions to the development of the Theory of evolution by natural selection

Options :

1. ✖ William Harvey

2. ✖ Lamarck

3. ✔ Charles Darwin

4. ✖ J. C. Bose

Question Number : 130 Question Id : 69817717825 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The term "substantive structure of science" refers to

Options :

1. ✖ the physical equipment used in scientific experiments

2. ✔ the fundamental concepts and principles within a scientific discipline

3. ✖ the syntax and grammar used in scientific writing

4. ✖ the history of scientific discoveries

Question Number : 131 Question Id : 69817717826 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The primary aim of teaching Biological Sciences is

Options :

1. ✖ Memorization of facts

2. ✔ Development of scientific attitudes and skills

3. ✖ Introduction to social sciences

4. ✖ Promotion of physical fitness

Question Number : 132 Question Id : 69817717827 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The role of a science teacher in nurturing students' scientific temper is

Options :

1. ✖ To discourage questioning and critical thinking

2. ✖

To provide ready-made answers to all questions

3. ✔ To encourage curiosity, inquiry, and exploration

4. ✖ To memorize scientific facts

Question Number : 133 Question Id : 69817717828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The educational taxonomy that is often used to classify learning objectives and skills

Options :

1. ✖ Maslow's Hierarchy of Needs

2. ✔ Bloom's Taxonomy of Educational Objectives

3. ✖ Vygotsky's Zone of Proximal Development

4. ✖ Skinner's Behaviourism Model

Question Number : 134 Question Id : 69817717829 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The academic standards in Biological Science are used for

Options :

1. ✖ Assessing the physical fitness of students

2. ✖ Evaluating students' artistic abilities

Setting clear expectations for what students should know and be able to do

3. ✔

Promoting social skills among students

4. ✖

Question Number : 135 Question Id : 69817717830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One among the following is considered the "Father of Modern Biology"?

Options :

1. ✖ William Harvey

2. ✖ Jean–Baptiste Lamarck

3. ✔ Charles Darwin

4. ✖ Gregor Mendel

Question Number : 136 Question Id : 69817717831 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The term "syntactic structure of science" refers to

Options :

1. ✖ The physical equipment used in scientific experiments

2. ✖ The fundamental concepts and principles within a scientific discipline

3. ✔ The syntax and grammar used in scientific writing

4. ✖ The history of scientific discoveries

Question Number : 137 Question Id : 69817717832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The primary goal of developing students' scientific attitude and temper is

Options :

1. ✖ To discourage curiosity

2. ✔ To promote critical thinking

3. ✖ To memorize scientific facts

4. ✖ To eliminate creativity

Question Number : 138 Question Id : 69817717833 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Well-developed learning objectives help teachers achieve

Options :

1. ✖ Making lessons more interesting

2. ✖ Providing ready-made answers to all questions

3. ✖ Offering a variety of teaching methods

4. ✔ Offering a clear focus for teaching and assessment

Question Number : 139 Question Id : 69817717834 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The area of biology that recent advancement mainly focuses on is

Options :

1. ✖ Botany

2. ✖ Zoology

3. ✔ Molecular biology

4. ✖ Palaeontology

Question Number : 140 Question Id : 69817717835 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following is **NOT** a science process skill

Options :

1. ✖ Observing

2. ✔ Memorizing

3. ✖ Communicating

4. ✖ Classifying

Question Number : 141 Question Id : 69817717836 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

One of the following is **NOT** a characteristic of creation-level learning

Options :

1. ✖

It requires students to produce something new and original

2. ✖ It requires students to use their imagination and creativity

3. ✖ It requires students to be able to think outside the box

4. ✔ It requires students to be able to apply their knowledge to real-world situations

Question Number : 142 Question Id : 69817717837 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is an example of observing

Options :

1. ✖ Grouping animals according to their diet

2. ✖ Giving a presentation on a science topic

3. ✔ Recording the colour of a flower

4. ✖ Drawing a diagram of a cell

Question Number : 143 Question Id : 69817717838 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The biologist who is famous for his pioneering work on plant physiology and the invention of the crescograph

Options :

1. ✖ M. S. Swaminathan

2. ✔ J. C. Bose

3. ✖ Birbal Sahni

4. ✖ Elizabeth Blackburn

Question Number : 144 Question Id : 69817717839 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The fundamental attribute of critical thinking in the context of biological science Education is

Options :

1. ✖ Accepting information without question

2. ✖ Relying on intuition

3. ✔ Evaluating evidence and arguments objectively

4. ✖ Avoiding scepticism

Question Number : 145 Question Id : 69817717840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Elizabeth Blackburn is best known for her work on

Options :

1. ✔ Telomeres

2. ✖ DNA replication

3. ✖ Gene editing

4. ✖ CRISPR-Cas9

Question Number : 146 Question Id : 69817717841 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Captive Breeding of animals in Zoological Gardens and Botanical Garden is a method of

Options :

1. ✔ Ex-situ Conservation

2. ✖ In-situ Conservation

3. ✖ Both Ex-situ and In-situ

4. ✖ Not a conservation Method

Question Number : 147 Question Id : 69817717842 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The 7^{th} Millenium Development goal is

Options :

1. ✖ Sustainable Development

2. ✖ Ecological Development

3. ✖ Human Development

4. ✔ Environmental Development

Question Number : 148 Question Id : 69817717843 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

As per NCF 2005– "Good Science Education is true to learner, true to life"

which means

Options :

1. ✖ Science should make children work easy

2. ✖ Science should always be constant

3. ✖ Science should be true and easy

4. ✔ Science should prepare child to the world of work

Question Number : 149 Question Id : 69817717844 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Among the following the form of assessment that is more suitable for using on

a larger group with a single tool

Options :

1. ✔ Paper–pencil test

2. ✖ Projects

3. ✖ Portfolio

4. ✖ Journal Writing

Question Number : 150 Question Id : 69817717845 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The fundamental aspect of the scientific method regarding the substantiate and syntactic structure of science

Options :

1. ✖ The necessity for experiments to always confirm existing theories.

2. ✖ The inclusion of qualitative data without reliance on quantitative measures.

3. ✔ The requirement of hypotheses being testable and subject to falsification.

4. ✖ The exclusion of peer review and collaboration in the research process.

Question Number : 151 Question Id : 69817717846 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

What role does linking biological science education to social environments play in technological advancement?

Options :

1. ✖ It limits technological innovation by focusing only on natural systems.

2. ✔ It facilitates the understanding of societal needs, fostering bio-inspired solutions and advancements.

3. ✖ It discourages technological exploration in favor of traditional teaching methods.

4. ✖

It separates technological progress from ethical considerations.

Question Number : 152 Question Id : 69817717847 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

The skill that is essential for conducting scientific experiments and investigations, involving the ability to accurately record and report observations

Options :

1. ✖ Logical thinking

2. ✖ Skepticism

3. ✔ Truthfulness in reporting observations

4. ✖ Creativity in problem-solving

Question Number : 153 Question Id : 69817717848 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Correct Marks : 0.5 Wrong Marks : 0

Academic standards in Biological Science benefits educational systems by

Options :

1. ✖ promoting a one-size-fits-all approach to science education.

2. ✖ ensuring uniformity in teaching methods without room for adaptation.

3. ✔ guiding educators in designing effective curricula and assessments.

4. ✖ restricting the exploration of contemporary scientific advancements.

Question Number : 154 Question Id : 69817717849 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The primary purpose of academic standards in Biological Science is to

Options :

1. ✖ restrict the scope of scientific inquiry within predefined boundaries.

2. ✖ establish a rigid curriculum that discourages innovation.

3. ✔ set clear learning expectations and benchmarks for student achievement.

4. ✖ discourage interdisciplinary approaches in scientific learning.

Question Number : 155 Question Id : 69817717850 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The significance of having well-developed learning objectives in teaching Biological Sciences is that

Options :

1. ✖ They make lessons more interesting

2. ✔ They provide a clear focus for teaching and assessment

3. ✖ They eliminate the need for textbooks

4. ✖ They ensure students memorize all content

Question Number : 156 Question Id : 69817717851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The scientist known for his ground breaking work on the circulation of blood and the function of the heart

Options :

1. ✔ William Harvey

2. ✖ Lamarck

3. ✖ Charles Darwin

4. ✖ Rosalind Franklin

Question Number : 157 Question Id : 69817717852 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is **NOT** an important value in teaching Biological Sciences

Options :

1. ✖ Open mindedness

2. ✖ Scepticism

3. ✔ Memorization of facts

4. ✖ Respect for evidences

Question Number : 158 Question Id : 69817717853 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The highest cognitive process level in Anderson and Krathwohl's Taxonomy of Educational Objectives is

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

1. Remembering

2. Understanding

3. Applying

4. Creativity

Question Number : 159 Question Id : 69817717854 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is an example of a knowledge–level learning objective

Options :

1. ✔ To be able to identify the different types of plants

2. ✖ To be able to understand the structure and function of plant cells

3. ✖ To be able to explain the process of photosynthesis

4. ✖ To be able to design and conduct an experiment to test the effects of different environmental factors on plant growth

Question Number : 160 Question Id : 69817717855 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The winner of the 2023 Nobel Prize in Physiology or Medicine

Options :

1. ✔ Katalin Kariko and Drew Weissman

2. ✖ Svante Paabo

3. ✖ Carolyn Bertozzi, Morten Meldal, and K. Barry Sharpless

4. ✖ David Julius and Ardem Patapoutian