

Computer Based Examination System

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Title *	Question Paper Answer Key
OES Exam *	GPSC05202331 / Assistant Professors in Government College in Botany/ Completed / 2023-09-02

1	Question Description	The amino acids for protein synthesis is activated by the enzyme _____
	A	rna synthetase
	B	aminoacyl-tRNA synthetase
	C	tRNA synthetase
	D	aminoacyl-mRNA synthetase
	E	None of the above
	Correct Answer	B
	Marks	1

2	Question Description	The Amborellales, Nymphaeales, Austrobaileyales, and Chloranthales are considered early-diverging lineages within angiosperms. Which of the following characteristics is a shared trait among these groups, reflecting their primitive status in angiosperm evolution?
	A	Double fertilization.
	B	Absence of vascular cambium.
	C	Absence of vessel elements in xylem.
	D	Wind-pollination and absence of air chambers.
	E	None of the above
	Correct Answer	C
Marks	1	
3	Question Description	A point mutation comprising the substitution of a purine by pyrimidine is called
	A	deletion
	B	translocation
	C	transition
	D	transversion
	E	None of the above
	Correct Answer	D
Marks	1	

4	Question Description	In the context of landscape ecological studies, the term "landscape process" encapsulates which of the following elements?
	A	The intricate interplay of vegetation dynamics within a single patch.
	B	The continuous movement of organisms across various landscapes.
	C	The cyclical exchange of nutrients within aquatic ecosystems.
	D	The analysis of geological formations' structural integrity.
	E	None of the above
	Correct Answer	B
	Marks	1

5	Question Description	Unicellular members of order Zygnematales are called as
	A	Diatoms
	B	Desmids
	C	Dinokonts
	D	Coccolithophorids
	E	None of the above
	Correct Answer	B
	Marks	1

6	Question Description	In which of the following microfibrills remain parallel to the spindle axis at telophase during the formation of cell plate formation?
	A	Chlorophyta
	B	Charophyta
	C	Rhodophyta
	D	Haptophyta
	E	None of the above
	Correct Answer	B
	Marks	1

7	Question Description	In eukaryotes and bacteria, the most common form of regulation is
	A	promoter control
	B	translation control
	C	repressor control
	D	transcriptional control
	E	None of the above
	Correct Answer	D
	Marks	1

8

Question Description	Chromatin fibres condense to form chromosomes during
A	G ₁ -Phase
B	metaphase
C	prophase
D	S-phase
E	None of the above
Correct Answer	C
Marks	1

9

Question Description	_____ is a product of aerobic respiration.
A	Malic acid
B	Pyruvate
C	Ethylene
D	Lactose
E	None of the above
Correct Answer	A
Marks	1

10	Question Description	"Phytogeography" explores the distribution of plant species across geographical areas. How does the concept of "endemism" contribute to our understanding of plant diversity in different regions?
	A	Endemism indicates the absence of plant diversity in an area.
	B	Endemism reflects the dominance of invasive species.
	C	Endemic species provide insights into unique ecosystems and evolutionary history.
	D	Endemism is irrelevant in phytogeography.
	E	None of the above
	Correct Answer	C
	Marks	1

11	Question Description	Which of the amino acids are lacking in pulses?
	A	cysteine and methionine.
	B	methionine and tryptophan
	C	cysteine and tryptophan
	D	methionine and arginine
	E	None of the above
	Correct Answer	A
	Marks	1

12	Question Description	In the APG III system of classification, the clade "Monocots (Commelinids)" comprises a diverse group of plants. The morphological, anatomical, or molecular characteristics that unite this clade are:
	A	Monocots are defined solely by the presence of a single cotyledon.
	B	Commelinids are characterized by their leaf shape.
	C	Monocots and Commelinids share similar floral structures.
	D	Monocots (Commelinids) share specific genetic markers that reflect their evolutionary relationship
	E	None of the above
	Correct Answer	C
Marks	1	
13	Question Description	In the realm of sustainable development, what does a contingency plan encompass?
	A	A strategy for optimizing profit margins within a development project.
	B	A comprehensive blueprint for waste management in large-scale projects.
	C	A proactive plan to mitigate potential risks and effectively handle unexpected emergencies.
	D	A post-project assessment for evaluating the financial outcomes.
	E	None of the above
	Correct Answer	C
Marks	1	

14	Question Description	When considering "Landscape and Plant Ecology," what are "patches" in the context of landscape heterogeneity?
	A	Geometric shapes within landscapes.
	B	Uniform areas with the same vegetation composition
	C	Areas with varying disturbance levels.
	D	Rapid changes in temperature across a landscape.
	E	None of the above
	Correct Answer	B
	Marks	1

15	Question Description	Which of the following is required as a coenzyme for the transamination reactions?
	A	Coenzyme A
	B	Pyridoxal P
	C	Folic acid
	D	Cobalamine
	E	None of the above
	Correct Answer	B
	Marks	1

16

Question Description	"Landscape and Plant Ecology" explores the complex relationships between landforms and vegetation patterns where_____.
A	Scale has no impact on landscape analysis.
B	Smaller scales enhance the accuracy of landscape patterns
C	Scale influences the detection of spatial patterns and relationships.
D	Landscape patterns are consistent regardless of scale.
E	None of the above
Correct Answer	C
Marks	1

17

Question Description	Phylogenetic trees are powerful tools for representing evolutionary relationships among species. Imagine two plant species with vastly different appearances but a close genetic relationship based on molecular data. Explain how these species could have undergone divergent evolution and adapted to their respective environments.
A	Divergent evolution only occurs between closely related species
B	Divergent evolution is purely based on geographic isolation.
C	Different selection pressures and environmental conditions can lead to divergent evolution despite genetic closeness.
D	Genetic closeness always results in similar adaptations in an environment.
E	None of the above
Correct Answer	C
Marks	1

18	Question Description	Phosphoenol pyruvate is the primary CO ₂ acceptor in _____
	A	C3 plants
	B	C4 plants
	C	C2 plants
	D	C3 and C4 plants
	E	None of the above
	Correct Answer	B
	Marks	1

19	Question Description	In the study of deoxyribonucleic acids, what observation was made by Macleod, Avery and McCarty?
	A	DNA is a duplex molecule
	B	DNA can denature at high temperature
	C	DNA is more stable than RNA
	D	DNA can be taken up from medium
	E	None of the above
	Correct Answer	D
	Marks	1

20

Question Description	The first antibiotic discovered by Fleming was from which of the following microbe?
A	<i>Staphylococci aureus</i>
B	<i>Penicillium notatum</i>
C	<i>Streptococci pyogenes</i>
D	<i>Bacillus brevis</i>
E	None of the above
Correct Answer	A
Marks	1

21	Question Description	Heterosis is defined as
	A	mixture of two or more traits.
	B	induction of mutations.
	C	superiority of hybrids over their parents.
	D	appearance of spontaneous mutations
	E	None of the above
	Correct Answer	C
	Marks	1

22	Question Description	When studying "Landscape and Plant Ecology," what concept refers to the spatial arrangement of different components within a landscape?
	A	Succession dynamics.
	B	Disturbance equilibrium.
	C	Pattern and heterogeneity
	D	Edge effect and ecotones.
	E	None of the above
	Correct Answer	C
	Marks	1

23	Question Description	In a chemical process, which of the following modifications cannot be achieved by an enzyme?
	A	Change in enthalpy
	B	Change in reverse reaction rate
	C	Change in activation energy
	D	Change in forward reaction rate
	E	None of the above
	Correct Answer	A
	Marks	1

24	Question Description	In nucleic acid structure C2' endo conformation is seen in?
	A	DNA in A form
	B	DNA in B form
	C	DNA in Z form
	D	Single stranded RNA
	E	None of the above
	Correct Answer	B
	Marks	1

25

Question Description	The restriction enzyme P, Q and R recognizes 8bp, 6bp and 4bp sequences respectively. The relative frequency of occurrence of these sequences on bacterial genome is?
A	$P > Q > R$
B	$P > Q = R$
C	$R > Q > P$
D	$R > Q = P$
E	None of the above
Correct Answer	C
Marks	1

26

Question Description	Provide examples of plant species that are endemic to specific Takhtajan regions and explain the factors contributing to their endemism.
A	Takhtajan regions assist in understanding plant distribution based on historical and ecological factors.
B	Takhtajan regions are solely based on climatic factors.
C	Takhtajan regions are arbitrary divisions with no scientific basis.
D	Takhtajan regions help identify specific plant families.
E	None of the above
Correct Answer	A
Marks	1

27

Question Description

An Agrobacterium strain with plasmid lacking virA gene was used for transforming potato plants. Provided all the conditions of the experiment were optimally maintained, what could be the outcome of the experiment?

P. Octapine synthesis by bacterium will be decreased

Q. Acetosyringone receptor will not be synthesized

R. Small fragmented T-DNA will be transferred to the plant

S. Bacteria will fail to transfer T-DNA to the plant

A

P and S

B

Q and S

C

P and R

D

Q and R

E

None of the above

Correct Answer

B

Marks

1

28	Question Description	Gene for Gene concept of disease resistance and susceptibility was put forward by?
	A	Erickson in 1894
	B	Flor in 1946
	C	Gaumann in 1946
	D	Muller in 1961
	E	None of the above
	Correct Answer	B
	Marks	1

29	Question Description	Taxonomic characters based on chromosome numbers can provide insights into evolutionary relationships. Choose the correct option relevant in plant evolution where these events have driven speciation.
	A	Chromosome numbers are irrelevant in plant taxonomy.
	B	Chromosome rearrangements are not purely aesthetic features.
	C	Chromosomal fission/fusion and polyploidy can lead to genetic diversity and speciation.
	D	Chromosome rearrangements are solely responsible for generation of new species and interspecific hybridization.
	E	None of the above
	Correct Answer	C
	Marks	1

30	Question Description	<i>Simmondsia chinensis</i> contains
	A	wax
	B	triglyceride and wax
	C	triglyceride
	D	sterol
	E	None of the above
	Correct Answer	A
	Marks	1

31	Question Description	Which of the following is not involved in the post transcriptional processing of t-RNA?
	A	Base modulation
	B	Attachment of CCA arm
	C	Splicing
	D	Attachment of poly-A tail
	E	None of the above
	Correct Answer	D
	Marks	1

32	Question Description	Edible Product, “Nori” is obtained from,
	A	<i>Porphyra</i>
	B	<i>Gracilaria</i>
	C	<i>Gelidium</i>
	D	<i>Ulva</i>
	E	None of the above
	Correct Answer	A
	Marks	1

33	Question Description	Cis-trans test is related to
	A	crossing over
	B	heredity
	C	genetic map
	D	mutation
	E	None of the above
	Correct Answer	D
	Marks	1

34	Question Description	In the context of "Tropical Soil Ecology," how do soil erosion and soil fertility management interact in tropical regions? Provide examples of strategies that address this complex interplay.
	A	Soil erosion depletes soil fertility, necessitating sustainable soil conservation methods.
	B	Soil erosion enhances soil fertility through mineral deposition.
	C	Soil fertility management exacerbates soil erosion due to excessive nutrient application.
	D	Soil fertility management is irrelevant in tropical regions.
	E	None of the above
	Correct Answer	A
	Marks	1

35	Question Description	The recombinant DNA technology is rapidly being used for production of large amount of plant specific proteins in bacteria. Expression of the plant specific gene in bacteria requires what among the following?
	A	Shine Dalgarno sequence in mRNA
	B	intron less genes
	C	Plant specific regulatory elements
	D	All of the above
	E	None of the above
	Correct Answer	D
	Marks	1

36	Question Description	In the context of plant taxonomy, how do nucleic acids such as DNA and RNA contribute to our understanding of evolutionary relationships?
	A	Nucleic acids are not relevant in plant taxonomy.
	B	Nucleic acids help determine plant habitat preferences.
	C	Nucleic acids provide information on plant distribution patterns.
	D	Nucleic acids reveal genetic similarities and differences that reflect evolutionary history.
	E	None of the above
	Correct Answer	D
	Marks	1

37	Question Description	Despite having limited structural similarities and distant relationships, two species can still be accurately placed on the same phylogenetic tree through the comparison of:
	A	Non-homologous genes with high variability.
	B	Nuclear DNA sequences.
	C	Morphological traits.
	D	Non-coding regions of the genome.
	E	None of the above
	Correct Answer	B
	Marks	1

38	Question Description	Which of the following depicts the position of antheridium in Penicillium in connection with ascogonium?
	A	Coils loosely around ascogonium
	B	Rows beside the ascogonium
	C	Remains at the base of ascogonium
	D	Approaches the ascogonium only at its tip
	E	None of the above
	Correct Answer	D
	Marks	1

39	Question Description	How many t-RNAs are required to translate all 61 codons?
	A	31
	B	32
	C	30
	D	29
	E	None of the above
	Correct Answer	B
	Marks	1

40

Question Description

Restriction enzymes SmaI is a blunt cutter with recognition site CCC/GGG. In restriction enzyme based cloning, researcher requires to make staggered cut in vector (C/CCGGG) for cloning of gene of interest. Which of the following enzymes would be most suitable for this experiment?

A

SphI

B

Sau3A

C

XmaI

D

BamHI

E

None of the above

Correct Answer

C

Marks

1

41

Question Description

In accordance with the recommendation of committee on International rules of Botanical Nomenclature the fungus name ending with “*mycetidae*” belongs to _____.

A

Subdivision

B

Class

C

Subclass

D

Order

E

None of the above

Correct Answer

C

Marks

1

42	Question Description	Fungi which consist of two mating types of individuals that differ in genetic make up for compatibility factor are _____.
	A	Unifactorial Homothallic
	B	Bifactorial Homothallic
	C	Unifactorial Heterothallic
	D	Bifactorial Heterothallic
	E	None of the above
	Correct Answer	C
	Marks	1

43	Question Description	"Phylogeny and Classification of Angiosperms" involves reconstructing evolutionary relationships. How does the concept of "vicariance" help explain the distribution patterns of plant species in response to geological changes?
	A	Vicariance has no impact on plant distribution.
	B	Vicariance involves human-mediated dispersal of plant species.
	C	Vicariance explains the dispersal of species to new habitats.
	D	Vicariance accounts for the splitting of species due to historical continental drift.
	E	None of the above
	Correct Answer	D
	Marks	1

44	Question Description	Following is the site of meiosis in Order Etocarpales of Phaeophyta
	A	Plurilocular sporangium
	B	Plurilocular gametangium
	C	Unilocular Gametangium
	D	In all of the above
	E	None of the above
	Correct Answer	C
	Marks	1

45	Question Description	Which of the pathogens does not cause disease in wheat?
	A	<i>Sclerotinia sclerotiorum</i>
	B	<i>Puccinia graminis</i>
	C	<i>Ustilago tritici</i>
	D	<i>Pyrenophora trichostoma</i>
	E	None of the above
	Correct Answer	A
	Marks	1

46	Question Description	Bacterial leaf blight disease is caused by which of the following pathogen?
	A	<i>Magnaporthe oryzae</i>
	B	<i>Magnaporthe gresea</i>
	C	<i>Xanthomonas oryzae</i>
	D	<i>Burkholderia glumae</i>
	E	None of the above
	Correct Answer	C
	Marks	1

47	Question Description	Shell fish poisoning is caused by some members of
	A	Chlorophyceae
	B	Dinophyceae
	C	Phaeophyceae
	D	Prymnesiophyceae
	E	None of the above
	Correct Answer	B
	Marks	1

48	Question Description	The hormone essentially involved in giving systemic acquired resistance in plants is?
	A	Jasmonic Acid
	B	Indole Acetic Acid
	C	Gibberellic acid
	D	Salicylic acid
	E	None of the above
	Correct Answer	D
	Marks	1

49	Question Description	This is the precursor of Indole-3-acetic acid
	A	Methionine
	B	Tryptophan
	C	Glycine
	D	Isopentynyl pyrophosphate
	E	None of the above
	Correct Answer	B
	Marks	1

50

Question Description	In "Landscape and Plant Ecology," how can the phenomenon of "edge effect" influence the ecological dynamics and interactions within different plant communities?
A	Edge effect has no influence on plant communities.
B	Edge effect leads to uniformity in species composition.
C	Edge effect results in complete absence of plant species near boundaries.
D	Edge effect creates unique microclimatic conditions and altered species interactions.
E	None of the above
Correct Answer	D
Marks	1

51

Comprehension

Read the following passage and answer the questions given below: -

The examination system is both an opiate and a poison. It is an opiate because it lulls us into believing that all is well when most is ill. 'Look,' the public says, 'at this list of scholarships; see how many children have got their School Certificates: something is happening; the school is doing its job.' Something no doubt is happening; but it may not be education: it may be the administration of a poison which paralyses or at least slows down the natural activities of the healthy mind. The healthy human being finding himself a creature of unknown capacities in an unknown world, wants to learn what the world is like, and what he should be and do in. To help him in answering these questions is the one and only purpose of education

Question Description

As an opiate and a poison, the examination system respectively

A

paralyses or slows down natural activities and lulls the healthy mind

B

lulls the healthy mind and paralyses or slows down its physical activities

C

paralyses or slows down natural activities and lulls the mind

D

lulls the healthy mind and paralyses or slows down its natural activities

E

None of the above

Correct Answer

D

Marks

1

Comprehension

Read the following passage and answer the questions given below: -

The examination system is both an opiate and a poison. It is an opiate because it lulls us into believing that all is well when most is ill. 'Look,' the public says, 'at this list of scholarships; see how many children have got their School Certificates: something is happening; the school is doing its job.' Something no doubt is happening; but it may not be education: it may be the administration of a poison which paralyses or at least slows down the natural activities of the healthy mind. The healthy human being finding himself a creature of unknown capacities in an unknown world, wants to learn what the world is like, and what he should be and do in. To help him in answering these questions is the one and only purpose of education

Question Description

Complete the following statement using a suitable option from among those provided below:
The overall passage implies that the public is impressed with the misconception

A

created by the list of scholarships

B

that the school is doing its job

C

that the school is doing its job

D

that something is happening

E

None of the above

Correct Answer

C

Marks

1

Comprehension

Read the following passage and answer the questions given below: -

The examination system is both an opiate and a poison. It is an opiate because it lulls us into believing that all is well when most is ill. 'Look,' the public says, 'at this list of scholarships; see how many children have got their School Certificates: something is happening; the school is doing its job.' Something no doubt is happening; but it may not be education: it may be the administration of a poison which paralyses or at least slows down the natural activities of the healthy mind. The healthy human being finding himself a creature of unknown capacities in an unknown world, wants to learn what the world is like, and what he should be and do in. To help him in answering these questions is the one and only purpose of education

Question Description

The statement "The examination system lulls us into believing that all is well when most is ill" implies that it makes us falsely confident and relaxed that

A all is not well with it, some is ill.

B nothing is ill in it, when most is.

C most is well with it, when some is ill.

D most is ill with it, some is well.

E None of the above

Correct Answer

B

Marks

1

54

Comprehension

Read the following passage and answer the questions given below: -

The examination system is both an opiate and a poison. It is an opiate because it lulls us into believing that all is well when most is ill. 'Look,' the public says, 'at this list of scholarships; see how many children have got their School Certificates: something is happening; the school is doing its job.' Something no doubt is happening; but it may not be education: it may be the administration of a poison which paralyses or at least slows down the natural activities of the healthy mind. The healthy human being finding himself a creature of unknown capacities in an unknown world, wants to learn what the world is like, and what he should be and do in. To help him in answering these questions is the one and only purpose of education

Question Description

The term 'opiate' is used in the passage to suggest its ----- effect.

A

narcotic

B

addictive

C

analgesic

D

social

E

None of the above

Correct Answer

A

Marks

1

Comprehension

Read the following passage and answer the questions given below: -

The examination system is both an opiate and a poison. It is an opiate because it lulls us into believing that all is well when most is ill. 'Look,' the public says, 'at this list of scholarships; see how many children have got their School Certificates: something is happening; the school is doing its job.' Something no doubt is happening; but it may not be education: it may be the administration of a poison which paralyses or at least slows down the natural activities of the healthy mind. The healthy human being finding himself a creature of unknown capacities in an unknown world, wants to learn what the world is like, and what he should be and do in. To help him in answering these questions is the one and only purpose of education

Question Description

As per the passage, the sole objective of education is to help an individual

A

find himself in the unknown world and enjoy it well.

B

know the world, himself and live ideally well in the world.

C

know the world, his ideal potential and function in the world.

D

reveal his unknown capacities in an unknown world.

E

None of the above

Correct Answer

C

Marks

1

56	Question Description	When is World Sports Journalist Day observed?
	A	May 02
	B	June 02
	C	July 02
	D	August 02
	E	None of the above
	Correct Answer	C
	Marks	1

57	Question Description	Which country recently handed over 105 antiquities to India?
	A	USA
	B	Bhutan
	C	China
	D	Cuba
	E	None of the above
	Correct Answer	A
	Marks	1

58	Question Description	Which country received the torch of Startup 20 from India?
	A	Cyprus
	B	Brazil
	C	New Zealand
	D	Netherlands
	E	None of the above
	Correct Answer	B
	Marks	1

59	Question Description	From which state is External Affairs Minister S. Jaishankar filing his nomination for Rajya Sabha?
	A	Gujarat
	B	Sikkim
	C	Bihar
	D	Andhra pradesh
	E	None of the above
	Correct Answer	A
	Marks	1

60	Question Description	On which date is National Mango Day celebrated?
	A	July 20
	B	July 21
	C	July 22
	D	July 23
	E	None of the above
	Correct Answer	C
	Marks	1

61	Question Description	Which Indian state is setting up India's first Atal Incubation Centre in fisheries?
	A	Maharashtra
	B	Kerala
	C	Tamil Nadu
	D	Andhra Pradesh
	E	None of the above
	Correct Answer	B
	Marks	1

62	Question Description	Who conceptualized the 'Mera Bill Mera Adhikar' scheme?
	A	Indian Parliament
	B	Reserve Bank of India (RBI)
	C	Central Board of Indirect Taxes and Customs (CBIC)
	D	Ministry of Finance
	E	None of the above
	Correct Answer	C
	Marks	1

63	Question Description	What is the name of the world's largest private communications satellite recently launched by SpaceX?
	A	Jupiter 1
	B	Jupiter 2
	C	Jupiter 3
	D	MarsSat
	E	None of the above
	Correct Answer	C
	Marks	1

64	Question Description	Which state government has decided to permit all restaurants across the state to operate 24×7?
	A	Jharkhand
	B	Rajasthan
	C	Haryana
	D	Punjab
	E	None of the above
	Correct Answer	C
	Marks	1

65	Question Description	Where has Amazon India opened its first-ever floating store?
	A	Gulab lake
	B	Sita lake
	C	Dal Lake
	D	Champan lake
	E	None of the above
	Correct Answer	C
	Marks	1

Question Description

Kindly study the paragraph given below and answer the question that follows.

Recently, the Sensex 30 hurtled past 36,000 and the Nifty50 scaled 11000, voices of caution were drowned out by those celebrating the fastest 1000-point gain in the Sensex. Domestic market players continue to conjure up a variety of justifications for these gains — IMF's bullish forecast, earnings revival, budget reforms, the January effect and surging domestic flows. But Indian investors still have the most to worry about a possible melt-up scenario, because with the Sensex 30 is one of the most expensive markets in the world and at the current levels, allows little margin of safety for disappointments. Inveterate bulls argue that this time it's different because India's stock rally in the last three years has been powered more by sticky domestic retail money, than fickle foreign flows.

Which of the following weakens the claim that the stock rally would be a sustained one this time?

I. Market intermediaries and funds have everything to gain from ballooning assets.

II. The Sensex 30's price-earnings ratio is at 25.2 times and is at a very steep valuation already.

III. Most of the domestic money flooding into equities now is not from patient or informed investors.

A

Only III

B

Only I and II

C

Only II and III

D

Only I and III

E

None of the above

Correct Answer

A

Marks

1

67

Question Description

Directions: The below mentioned question is to be answered using the statements I and II given below. You have to determine the statement(s) which is/are sufficient to answer the question and mark the option accordingly.

8 persons viz. B,D,K,F,H,J,L and N are standing in a linear row facing towards the north. What is the position of H from the right end, if number of persons between H and E are 2?

Statement I : F is second to the left of G, who is on the immediate right of H. No person stands between J and B. B is second to the left of E.

Statement II : E is third to the right of B. J is not an immediate neighbor of L. F and L are not adjacent. H is on the immediate right of F.

A

If the data in statement I alone is sufficient to answer the question

B

If the data in statement II alone is sufficient to answer the question

C

If the data in statements I and II is necessary to answer the question

D

If the data in statements I and II is not sufficient to answer the question

E

None of the above

Correct Answer

D

Marks

1

68

Question Description

Directions : In question, some statements are given, followed by two conclusions I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements. Indicate your answer.

Statements:

All pens are pencils

No pencil is an eraser

Conclusions:

I. No eraser is a pen

II. No pencil is an eraser

A

If only conclusion I follow

B

If only conclusion II follow

C

If neither conclusion I nor conclusion II follows

D

If both the conclusions follow

E

None of the above

Correct Answer

D

Marks

1

69

Question Description Select the related word/letters/number from the given alternatives.

ACD : ZWX :: FHJ : ?

A QSU

B UQS

C SQU

D USQ

E None of the above

Correct Answer B

Marks 1

70

Question Description

Directions: Read the following information carefully and answer the questions given beside.

Certain number of persons (that does not exceed 15) are standing in a straight linear row facing towards the north. 5 persons stand between B and E, who is third to the left of A. U is to the right of A. Not more than 3 persons stand between U and T. B is third to the left of U. I is fifth to the right of T. 2 persons stand between E and F, who is sitting at the extreme left end of the row.. Three persons stand between A and L, who is towards the right of E.

How many persons stand between the one who is second from right end and A?

A

3

B

6

C

2

D

5

E

None of the above

Correct Answer

D

Marks

1

71

Question Description	In a 500 m race, the ratio of the speeds of two contestants A and B is 3 : 4. A has a start of 140 m. Then, A wins by:
A	60 m
B	40 m
C	20 m
D	10 m
E	None of the above
Correct Answer	C
Marks	1

72

Question Description

Directions: Read the following information carefully and answer the questions given beside.

A shuttle was carrying seven passengers viz. J,K,L,M,N,O and P. It is to be noted that only one passenger can exit from the shuttle at a time. M exited before P. No passenger was left in the shuttle after K's exit. Only one passenger takes an exit between K and J. L exited just after O. N exited before P but after M.

If M and O took an exit on consecutive turns then who among the following exited just after L?

A

P

B

J

C

N

D

K

E

None of the above

Correct Answer

C

Marks

1

73

Question Description

Directions: Read the given information carefully and answer the questions given beside:

In a family of some persons Sushant says that Manu is the daughter of my sister Rhea, who is the only daughter of Tahir. Arun is the child of Tahir and Ileana, who is the grandmother of Kiara. Roma is the mother of Trisha, who is the only sister of Kiara. Arun is unmarried.

How is Arun related to Kiara?

A

Maternal Uncle

B

Maternal Aunt

C

Paternal Uncle

D

Paternal Aunt

E

None of the above

Correct Answer

C

Marks

1

Question Description

If + stands for division; \times stands for addition; – stands for multiplication; \div stands for subtraction, which of the following is correct?

1. $15 \div 5 \times 2 - 6 + 3 = 28$

2. $15 \times 5 + 2 - 6 \div 3 = 56.5$

3. $15 + 5 - 2 \div 6 \times 3 = 3$

4. $15 - 5 + 2 \times 6 \div 3 = 41$

A 3

B 1

C 2

D 4

E None of the above

Correct Answer A

Marks 1

75

Question Description

Find the number of triangles in the given figure.

**A**

27

B

25

C

23

D

21

E

None of the above

Correct Answer

A

Marks

1