

Computer Based Examination System

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Title *	Question Paper Answer Key
OES Exam *	GPSC05202323 / Pharmaceutical Chemist / Completed / 2023-09-02

1	<b>Question Description</b>	In TGA, results are obtained as_
	<b>A</b>	Continuous circular positions
	<b>B</b>	Continuous chart
	<b>C</b>	Discontinuous chart
	<b>D</b>	Continuous parabola
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

2	<b>Question Description</b>	The term used to describe a decrease in responsiveness to a drug that develop within a few minutes is
	<b>A</b>	Tachyphylaxis
	<b>B</b>	Refractoriness
	<b>C</b>	Cumulative effect
	<b>D</b>	Tolerance
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

3	<b>Question Description</b>	Which among the following terms is a physicochemical bulk property of a drug?
	<b>A</b>	Polarizability
	<b>B</b>	Partition coefficient
	<b>C</b>	Surface area
	<b>D</b>	Molecular weight
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

4	<b>Question Description</b>	Systemic clearance (CLs) is related with:
	<b>A</b>	Volume of distribution, half-life and elimination rate constant
	<b>B</b>	Only the concentration of substances in plasma
	<b>C</b>	Only the elimination rate constant
	<b>D</b>	Bioavailability and half life
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

5	<b>Question Description</b>	The 'science and activities relating to the detection, assessment, understanding and prevention of adverse effects or any other drug related problems' is also known as
	<b>A</b>	Pharmacoeconomics
	<b>B</b>	Pharmacovigilance
	<b>C</b>	Pharmacokinetics
	<b>D</b>	Pharmacodynamics
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

6	<b>Question Description</b>	Microsomal oxidation is most prominent in drugs that possess following properties_
	<b>A</b>	Lipid solubility
	<b>B</b>	Water solubility
	<b>C</b>	Low molecular weight
	<b>D</b>	High molecular weight
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

7	<b>Question Description</b>	An agonist is a substance that_
	<b>A</b>	Interacts with the receptor and initiates changes in cell function, producing various effects
	<b>B</b>	Increases concentration of another substance to produce effect
	<b>C</b>	Interacts with the receptor without producing any effect
	<b>D</b>	Interacts with plasma proteins and doesn't produce any effect
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

8	<b>Question Description</b>	Which among the following statement does not describe unique characteristics of a particular route of drug administration?
	<b>A</b>	Subcutaneous administration may cause local irritation
	<b>B</b>	Intravenous administration provides a rapid response
	<b>C</b>	Inhalation provides slow access to the general circulation
	<b>D</b>	Intramuscular administration requires a sterile technique
	<b>E</b>	None of the above
	<b>Correct Answer</b>	C
	<b>Marks</b>	1

9	<b>Question Description</b>	The mechanism of action proposed for Isoniazid, an antitubercular drug is_
	<b>A</b>	Inhibition of protein synthesis
	<b>B</b>	Inhibition of mycolic acids synthesis
	<b>C</b>	Inhibition of ADP synthesis
	<b>D</b>	Inhibition of RNA synthesis
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

10	<b>Question Description</b>	In the schematic DTA sequence having reversible and irreversible changes, starting with the hydrated material, identify the first step upon heating?
	<b>A</b>	Hydrolysis
	<b>B</b>	Hydration
	<b>C</b>	Dehydration
	<b>D</b>	Methylation
	<b>E</b>	None of the above
	<b>Correct Answer</b>	C
<b>Marks</b>	1	
11	<b>Question Description</b>	Repackaging of drugs is not granted for drugs listed in
	<b>A</b>	Schedule X
	<b>B</b>	Schedule O
	<b>C</b>	Schedule G
	<b>D</b>	Schedule M
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
<b>Marks</b>	1	

12	<b>Question Description</b>	Which among the following is considered as a limitation of Atomic Absorption Spectroscopy?
	<b>A</b>	High sensitivity, detection can reach upto “ppb” levels
	<b>B</b>	Free from inter-element interferences
	<b>C</b>	Cannot detect non-metals
	<b>D</b>	High accuracy with ease of operation
	<b>E</b>	None of the above
	<b>Correct Answer</b>	C
	<b>Marks</b>	1

13	<b>Question Description</b>	Volume of distribution (V) an indicator of extent of drug distribution into body fluids and tissues, relates the amount of drug in the body (X) to measured concentration in the plasma (C) through which among the following relationships?
	<b>A</b>	$V = XC$
	<b>B</b>	$V = X/C$
	<b>C</b>	$V = C/X$
	<b>D</b>	$V = CX^2 / C$
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

14	<b>Question Description</b>	Standards for ophthalmic preparations are provided in
	<b>A</b>	Schedule G
	<b>B</b>	Schedule O
	<b>C</b>	Schedule FF
	<b>D</b>	Schedule N
	<b>E</b>	None of the above
	<b>Correct Answer</b>	C
	<b>Marks</b>	1

15	<b>Question Description</b>	The mechanism of methylxanthines' action is:
	<b>A</b>	Beta 2 -adrenoreceptor stimulation
	<b>B</b>	Inhibition of the production of inflammatory cytokines
	<b>C</b>	Inhibition of M-cholinoreceptors
	<b>D</b>	Inhibition of the enzyme phosphodiesterase
	<b>E</b>	None of the above
	<b>Correct Answer</b>	D
	<b>Marks</b>	1

16	<b>Question Description</b>	Identify the class of antihypertensives that diminishes the metabolism of bradykinin?
	<b>A</b>	Ganglioblockers
	<b>B</b>	Angiotensin-converting enzyme inhibitors
	<b>C</b>	Alfa-adrenoblockers
	<b>D</b>	Diuretics
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1
17	<b>Question Description</b>	Which among the following is not an attribute of Pharmacodynamics?
	<b>A</b>	Drug binding to molecular target
	<b>B</b>	Mechanism of Drug action
	<b>C</b>	Drug absorption
	<b>D</b>	Drug response
	<b>E</b>	None of the above
	<b>Correct Answer</b>	C
	<b>Marks</b>	1

18	<b>Question Description</b>	The type of adverse drug reaction associated with cumulative long term exposure e.g., interstitial nephritis, necrosis with continuous use of NSAID's is classified as
	<b>A</b>	Type A
	<b>B</b>	Type B
	<b>C</b>	Type C
	<b>D</b>	Type D
	<b>E</b>	None of the above
	<b>Correct Answer</b>	C
	<b>Marks</b>	1

19	<b>Question Description</b>	Motor incoordination in Benzodiazepines and Sedation with the use of H <sub>1</sub> Anti-histaminics occurring at therapeutic doses is often termed as
	<b>A</b>	Unpredictable
	<b>B</b>	Predictable
	<b>C</b>	Bizarre
	<b>D</b>	Delayed
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

20	<b>Question Description</b>	Decomposition usually takes place in thermogravimetry under conditions of ____ heating?
	<b>A</b>	Dynamic
	<b>B</b>	First order
	<b>C</b>	Second order
	<b>D</b>	Third order
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

21	<b>Question Description</b>	Which of the following drugs causes teratogenicity?
	<b>A</b>	Clavulanic acid
	<b>B</b>	Warfarin
	<b>C</b>	Caffeine
	<b>D</b>	Propranolol
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

22

<b>Question Description</b>	An antiseizure drug, which is a sulfonamide derivative, blocking Na + channels and having additional ability to inhibit T-type Ca 2+ channels is_
<b>A</b>	Tiagabine
<b>B</b>	Primidone
<b>C</b>	Ethosuximide
<b>D</b>	Zonisamide
<b>E</b>	None of the above
<b>Correct Answer</b>	D
<b>Marks</b>	1

23	<b>Question Description</b>	The primary mechanism of action of local anesthetics is __
	<b>A</b>	Activation of ligand-gated potassium channels
	<b>B</b>	Blockade of voltage-gated sodium channels
	<b>C</b>	Stimulation of voltage-gated N-type calcium channels
	<b>D</b>	Blockade the GABA-gated chloride channels
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

24	<b>Question Description</b>	The mechanism of most drugs that are absorbed from Gastrointestinal tract is _
	<b>A</b>	Passive diffusion/ lipid diffusion
	<b>B</b>	Endocytosis and Exocytosis
	<b>C</b>	Aqueous diffusion/ Filtration
	<b>D</b>	Active transport/ Carrier mediated diffusion
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

25	<b>Question Description</b>	Half-life ( $t_{1/2}$ ) does not depend upon_
	<b>A</b>	Biotransformation
	<b>B</b>	Time of drug absorption
	<b>C</b>	Concentration of a drug in plasma
	<b>D</b>	Rate of drug elimination
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

26	<b>Question Description</b>	Hepatic microsomal drug-metabolizing enzyme induction leads to_
	<b>A</b>	Cumulative effects
	<b>B</b>	Development of physical dependence
	<b>C</b>	“hangover” effects
	<b>D</b>	Barbiturate tolerance
	<b>E</b>	None of the above
	<b>Correct Answer</b>	D
	<b>Marks</b>	1

27	<b>Question Description</b>	An external liquid preparation that is applied without friction is_
	<b>A</b>	Liniment
	<b>B</b>	Lotion
	<b>C</b>	Elixir
	<b>D</b>	Gel
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

28	<b>Question Description</b>	Which among the following dosage forms cannot be prescribed for intranasal administration?
	<b>A</b>	Solutions
	<b>B</b>	Sprays
	<b>C</b>	Inhalations
	<b>D</b>	Suspensions
	<b>E</b>	None of the above
	<b>Correct Answer</b>	D
	<b>Marks</b>	1

29	<b>Question Description</b>	Which of the following is considered to be a spurious drug?
	<b>A</b>	if it is imported under a name which belongs to another drug
	<b>B</b>	if it consists, in whole or in part, of any filthy, putrid or decomposed substance
	<b>C</b>	if it is so colored, coated, powdered or polished that damage is concealed or if it is made to appear of better or greater therapeutic value than it really is
	<b>D</b>	if it is not labeled in the prescribed manner.
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

30	<b>Question Description</b>	An analog of prostaglandin E 1 that acts by stimulating the protective function of the mucous barrier and the stability of the mucous membrane against damaging factors is_
	<b>A</b>	Sucralfate
	<b>B</b>	Misoprostol
	<b>C</b>	Omeprazole
	<b>D</b>	De-nol
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

31

**Comprehension**

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

The fundamental question must now be raised: 'Why do people engage in conversation for conversation's sake?' The reason cannot be that they look upon the affair as a very bright entertainment, for most conversers are only too obviously happy when time arrives for breaking up the party. It cannot be because they feel an overmastering desire for information concerning friends, because, even if such desire existed, it could be stated in ten seconds. Nor can it be because they feel an overmastering desire to impart information concerning themselves, for such a desire, which usually exists in some degree, could be satisfied in ten minutes, and they will stay on long after it is satisfied and even stated. Nor can it be in order to kill time, because they could get far more fun out of the worst book ever written than they could get out of the average pow-wow.

**Question Description**

Find a word or a phrase from the passage that means 'a conference or a meeting'

**A**

the affair

**B**

conversation for conversation's sake

**C**

the party

**D**

the pow-wow

**E**

None of the above

**Correct Answer**

D

**Marks**

1

32

**Comprehension**

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

The fundamental question must now be raised: 'Why do people engage in conversation for conversation's sake?' The reason cannot be that they look upon the affair as a very bright entertainment, for most conversers are only too obviously happy when time arrives for breaking up the party. It cannot be because they feel an overmastering desire for information concerning friends, because, even if such desire existed, it could be stated in ten seconds. Nor can it be because they feel an overmastering desire to impart information concerning themselves, for such a desire, which usually exists in some degree, could be satisfied in ten minutes, and they will stay on long after it is satisfied and even stated. Nor can it be in order to kill time, because they could get far more fun out of the worst book ever written than they could get out of the average pow-wow.

**Question Description**

Identify the one likely reason for 'conversation for conversation's sake' that is not ruled out in the passage

**A**

desire to share information

**B**

desire to spend free time

**C**

desire to share mutual interests

**D**

desire for entertainment

**E**

None of the above

**Correct Answer**

C

**Marks**

1

33

**Comprehension**

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

The fundamental question must now be raised: 'Why do people engage in conversation for conversation's sake?' The reason cannot be that they look upon the affair as a very bright entertainment, for most conversers are only too obviously happy when time arrives for breaking up the party. It cannot be because they feel an overmastering desire for information concerning friends, because, even if such desire existed, it could be stated in ten seconds. Nor can it be because they feel an overmastering desire to impart information concerning themselves, for such a desire, which usually exists in some degree, could be satisfied in ten minutes, and they will stay on long after it is satisfied and even stated. Nor can it be in order to kill time, because they could get far more fun out of the worst book ever written than they could get out of the average pow-wow.

**Question Description**

From the options given below, identify the number of reasons that the passage provides for 'conversation for conversation's sake'.

**A**

three

**B**

four

**C**

none

**D**

several

**E**

None of the above

**Correct Answer**

B

**Marks**

1

34

**Comprehension**

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

The fundamental question must now be raised: 'Why do people engage in conversation for conversation's sake?' The reason cannot be that they look upon the affair as a very bright entertainment, for most conversers are only too obviously happy when time arrives for breaking up the party. It cannot be because they feel an overmastering desire for information concerning friends, because, even if such desire existed, it could be stated in ten seconds. Nor can it be because they feel an overmastering desire to impart information concerning themselves, for such a desire, which usually exists in some degree, could be satisfied in ten minutes, and they will stay on long after it is satisfied and even stated. Nor can it be in order to kill time, because they could get far more fun out of the worst book ever written than they could get out of the average pow-wow.

**Question Description**

An alternative prospect to 'conversation for conversation's sake' suggested in the lighter vein in the passage is

**A** a bright entertainment

**B** sharing information concerning themselves

**C** reading the worst book ever written

**D** sharing information concerning friends

**E** None of the above

**Correct Answer** C

**Marks** 1

35

**Comprehension**

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

The fundamental question must now be raised: 'Why do people engage in conversation for conversation's sake?' The reason cannot be that they look upon the affair as a very bright entertainment, for most conversers are only too obviously happy when time arrives for breaking up the party. It cannot be because they feel an overmastering desire for information concerning friends, because, even if such desire existed, it could be stated in ten seconds. Nor can it be because they feel an overmastering desire to impart information concerning themselves, for such a desire, which usually exists in some degree, could be satisfied in ten minutes, and they will stay on long after it is satisfied and even stated. Nor can it be in order to kill time, because they could get far more fun out of the worst book ever written than they could get out of the average pow-wow.

**Question Description**

From the options provided below, identify the statement from the passage that is not illustrative of sarcasm

**A**

They look upon the affair as a very bright entertainment.

**B**

Nor can it be in order to kill time.

**C**

It cannot be because they feel an overmastering desire for information concerning friends.

**D**

They could get far more fun out of the worst book ever written.

**E**

None of the above

**Correct Answer**

B

**Marks**

1

36

**Comprehension**

Read the following passage and answer the questions below:

I have seen too much hate to want to hate.... Somehow we must be able to stand up before our most bitter opponents and say: "We shall match your capacity to inflict suffering by our capacity to endure suffering. We will meet your physical force with soul force. Do to us what you will and we will still love you. We cannot in all good conscience obey your unjust laws and abide by the unjust system, because non-cooperation with evil is as much a moral obligation as is cooperation with good, and so throw us in jail and we will still love you. Bomb our homes and threaten our children, and, as difficult as it is, we will still love you.

**Question Description**

The speaker in the passage proposes to respond to hatred by matching the opponent's

**A**

capacity to inflict suffering

**B**

physical force

**C**

hatred with love

**D**

soul force

**E**

None of the above

**Correct Answer**

C

**Marks**

1

37

**Comprehension**

Read the following passage and answer the questions below:

I have seen too much hate to want to hate.... Somehow we must be able to stand up before our most bitter opponents and say: "We shall match your capacity to inflict suffering by our capacity to endure suffering. We will meet your physical force with soul force. Do to us what you will and we will still love you. We cannot in all good conscience obey your unjust laws and abide by the unjust system, because non-cooperation with evil is as much a moral obligation as is cooperation with good, and so throw us in jail and we will still love you. Bomb our homes and threaten our children, and, as difficult as it is, we will still love you.

**Question Description**

The unjust laws cannot be obeyed according to the passage because it goes against

**A**

the unjust system

**B**

the moral obligation

**C**

the evil

**D**

the conscience

**E**

None of the above

**Correct Answer**

D

**Marks**

1

38

**Comprehension**

Read the following passage and answer the questions below:

I have seen too much hate to want to hate.... Somehow we must be able to stand up before our most bitter opponents and say: “We shall match your capacity to inflict suffering by our capacity to endure suffering. We will meet your physical force with soul force. Do to us what you will and we will still love you. We cannot in all good conscience obey your unjust laws and abide by the unjust system, because non-cooperation with evil is as much a moral obligation as is cooperation with good, and so throw us in jail and we will still love you. Bomb our homes and threaten our children, and, as difficult as it is, we will still love you.

**Question Description**

In the context of the passage, the phrase “as difficult as it is”, refers to

**A**

the hardship of bombing of their homes

**B**

the threatening of their children

**C**

the challenge of loving one’s inflictors of suffering

**D**

the possibility of loving one’s persecutors

**E**

None of the above

**Correct Answer**

C

**Marks**

1

39

**Comprehension**

Read the following passage and answer the questions below:

I have seen too much hate to want to hate.... Somehow we must be able to stand up before our most bitter opponents and say: "We shall match your capacity to inflict suffering by our capacity to endure suffering. We will meet your physical force with soul force. Do to us what you will and we will still love you. We cannot in all good conscience obey your unjust laws and abide by the unjust system, because non-cooperation with evil is as much a moral obligation as is cooperation with good, and so throw us in jail and we will still love you. Bomb our homes and threaten our children, and, as difficult as it is, we will still love you.

**Question Description**

The phrase "non-cooperation with evil" in the passage implies

**A**

cooperation with good

**B**

resisting an unjust system

**C**

a moral victory

**D**

non-cooperation with good

**E**

None of the above

**Correct Answer**

B

**Marks**

1

40

**Comprehension**

Read the following passage and answer the questions below:

I have seen too much hate to want to hate.... Somehow we must be able to stand up before our most bitter opponents and say: “We shall match your capacity to inflict suffering by our capacity to endure suffering. We will meet your physical force with soul force. Do to us what you will and we will still love you. We cannot in all good conscience obey your unjust laws and abide by the unjust system, because non-cooperation with evil is as much a moral obligation as is cooperation with good, and so throw us in jail and we will still love you. Bomb our homes and threaten our children, and, as difficult as it is, we will still love you.

**Question Description**

As an ethical act, “cooperation with good” is described in the passage as being an equivalent of

**A**

non-cooperation with evil

**B**

moral obligation

**C**

forgiving your opponent

**D**

loving in the face of hatred

**E**

None of the above

**Correct Answer**

A

**Marks**

1

41	<b>Question Description</b>	Which film will serve as the opening film for the G20 Film Festival?
	<b>A</b>	Pather Panchali
	<b>B</b>	Dilwale Dulhania Le Jayenge
	<b>C</b>	Avengers: Endgame
	<b>D</b>	The Godfather
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1
42	<b>Question Description</b>	When is World Senior Citizen Day celebrated?
	<b>A</b>	August 21
	<b>B</b>	September 21
	<b>C</b>	October 21
	<b>D</b>	November 21
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

43	<b>Question Description</b>	What is the name of India's first long-range revolver set to be unveiled by AWEIL?
	<b>A</b>	Indra
	<b>B</b>	Prabal
	<b>C</b>	Akash
	<b>D</b>	Shaurya
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

44	<b>Question Description</b>	Which organization releases the World Investment Report?
	<b>A</b>	UNCTAD
	<b>B</b>	WEF
	<b>C</b>	IMF
	<b>D</b>	World Bank
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

45	<b>Question Description</b>	In which country was the 34th International Biology Olympiad held, where India emerged as the overall winner?
	<b>A</b>	Ukraine
	<b>B</b>	United Kingdom
	<b>C</b>	USA
	<b>D</b>	UAE
	<b>E</b>	None of the above
	<b>Correct Answer</b>	D
	<b>Marks</b>	1

46	<b>Question Description</b>	On which date is World Chess Day 2023 observed?
	<b>A</b>	July 20
	<b>B</b>	July 19
	<b>C</b>	July 18
	<b>D</b>	July 17
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

47	<b>Question Description</b>	On which date is National Fish Farmers Day celebrated?
	<b>A</b>	July 09
	<b>B</b>	July 10
	<b>C</b>	July 11
	<b>D</b>	July 12
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

48	<b>Question Description</b>	Lakshay Sen, who is currently in the news, belongs to which sport?
	<b>A</b>	Boxing
	<b>B</b>	Racing
	<b>C</b>	Golf
	<b>D</b>	Badminton
	<b>E</b>	None of the above
	<b>Correct Answer</b>	D
	<b>Marks</b>	1

49	<b>Question Description</b>	What is the name of the launch vehicle being developed by Chennai-based Agnikul Cosmos?
	<b>A</b>	Sriharikota Explorer
	<b>B</b>	Space Innovator-1
	<b>C</b>	Agnishman launcher
	<b>D</b>	Agnibaan SOrTeD
	<b>E</b>	None of the above
	<b>Correct Answer</b>	D
	<b>Marks</b>	1

50	<b>Question Description</b>	What was the theme for the 77th Independence Day celebrations at Delhi's Red Fort?
	<b>A</b>	Azadi Ka Amrit Mahotsav
	<b>B</b>	Guard of Honour
	<b>C</b>	Spread the Light of Freedom
	<b>D</b>	Nation First, Always First
	<b>E</b>	None of the above
	<b>Correct Answer</b>	D
	<b>Marks</b>	1

51

<b>Question Description</b>	A man on tour travels first 160 km at 64 km/hr and the next 160 km at 80 km/hr. The average speed for the first 320 km of the tour is:
<b>A</b>	35.55 km/hr
<b>B</b>	36 km/hr
<b>C</b>	71.11 km/hr
<b>D</b>	70 km/hr
<b>E</b>	None of the above
<b>Correct Answer</b>	C
<b>Marks</b>	1



53

<b>Question Description</b>	Which Pair does NOT belong with the others?
<b>A</b>	62 – 37
<b>B</b>	74 – 40
<b>C</b>	72 – 47
<b>D</b>	103 – 78
<b>E</b>	None of the above
<b>Correct Answer</b>	B
<b>Marks</b>	1

54

**Question Description**

Directions: The questions are based on five words given below:

FOX JUG BAT MIX SIT

If the first and the second letters in each of the word is respectively changed to next letter in English alphabetic order, how many words thus formed will have a vowel?

**A**

One

**B**

Two

**C**

Three

**D**

More than three

**E**

None of the above

**Correct Answer**

E

**Marks**

1

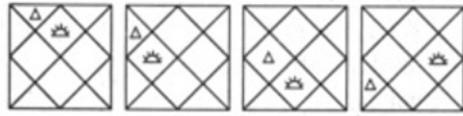
55	<b>Question Description</b>	The efficiency of a father is 500% that of his son. They work together on a job for 3 days and make Rs 2700/- . Find the daily wages of the son.
	<b>A</b>	Rs. 150
	<b>B</b>	Rs. 300
	<b>C</b>	Rs. 450
	<b>D</b>	Rs. 900
	<b>E</b>	None of the above
	<b>Correct Answer</b>	A
	<b>Marks</b>	1

56	<b>Question Description</b>	January 1, 2007 was Monday. What day of the week lies on Jan. 1, 2008?
	<b>A</b>	Monday
	<b>B</b>	Tuesday
	<b>C</b>	Wednesday
	<b>D</b>	Sunday
	<b>E</b>	None of the above
	<b>Correct Answer</b>	B
	<b>Marks</b>	1

57

Question Description

What will be fifth in the sequence?

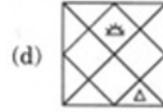
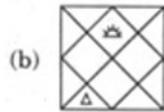
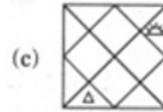
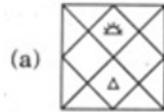


1

2

3

4



A

a

B

c

C

b

D

d

E

None of the above

Correct Answer

C

Marks

1

58

**Question Description**

Directions: These questions are based on the following information, read the comprehension carefully to answer the given questions.

Eight persons A, B, C, D, E, F, G and H are working in a company and have different salaries. (But not necessarily in the same order). No two persons' salary is same.

B's salary is fourth lowest but greater than that of D. C's salary is more than only one person. Salary of D is not the lowest in the company. Salary of E is second highest in the company. Salary of F is greater than H but not highest in the company. Salary of G is neither the highest nor the lowest in the company. Salary of G is lies between E and F.

If salary of E is 15000 and D's salary is 10000. What can be the salary of F?

**A**

16000

**B**

9000

**C**

10000

**D**

12000

**E**

None of the above

**Correct Answer**

D

**Marks**

1

59

**Question Description**

Some persons related to each other were going in a bus. When asked about their relationships, following were their replies:

M says 'N is my daughter in law and R is my father-in-law'.

C says 'T is my aunt and Z is my father'.

Z says 'S is my maternal grandmother and T is not my sister'.

N says 'Q is my father-in-law and L is my brother-in-law'.

L says 'P is my grandfather and C is my niece'.

How is N related to R?

**A**

Granddaughter in law

**B**

Father-in-law

**C**

Sister-in-law

**D**

Granddaughter

**E**

None of the above

**Correct Answer**

A

**Marks**

1

60

<b>Question Description</b>	Find the missing Number? 50, 59, 75 , 100, ?
<b>A</b>	215
<b>B</b>	121
<b>C</b>	136
<b>D</b>	125
<b>E</b>	None of the above
<b>Correct Answer</b>	C
<b>Marks</b>	1

61

**Question Description**

Directions: Following questions are based upon the word series given below.

DEN, RAT, EAR, OWL, CUB

If all the words are arranged as per dictionary order from left to right then which of the following is third letter of second word from right end?

**A**

N

**B**

L

**C**

R

**D**

B

**E**

None of the above

**Correct Answer**

B

**Marks**

1

**Question Description**

Question : Directions: In each question below there are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows/follow from the given statements, disregarding commonly known facts.

Statements:

A few parrots are not pigeons.

All pigeons are white.

No white is green.

Conclusions:

I. No green is a pigeon.

II. No parrot is green.

III. Some pigeons are not parrots.

**A** Only I follows

**B** Either I or II follows

**C** Only II and III follow

**D** All follow

**E** None of the above

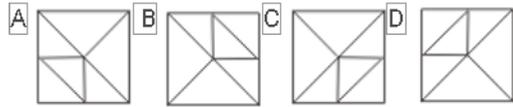
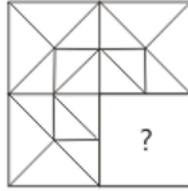
**Correct Answer** A

**Marks** 1

63

## Question Description

Which Answer Figure will complete the pattern in the figure?



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

D

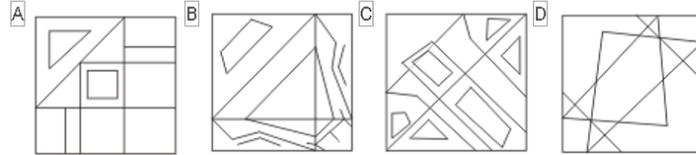
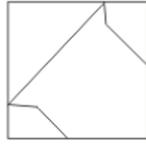
Marks

1

64

**Question Description**

From the given Answer Figures select the one in which the Question Figure is hidden/embedded

**A**

A

**B**

B

**C**

C

**D**

D

**E**

None of the above

**Correct Answer**

D

**Marks**

1

65

**Question Description**

Study the following questions carefully and choose the right answer:

Statement :

If degrees are delinked from jobs, boys will think twice before joining college.

Assumptions :

I. Boys join college education to get jobs.

II. A degree is of no use in getting a job.

**A** if only assumption I is implicit

**B** if only assumption II is implicit

**C** if either I or II is implicit

**D** if neither I nor II is implicit

**E** None of the above

**Correct Answer** A

**Marks** 1

**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.

How is the word 'season' coded?

Statement I : 'Season change by nature' is coded as '4 8 12 9' and 'Change is law nature' is coded as '5 12 24 4'.

Statement II : 'New season came today' is coded as '7 9 51 35' and 'Today change came tomorrow' is coded as '21 35 12 19'.

**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****C****Marks****1**

67

<b>Question Description</b>	What will be the last letter of the meaningful 4-letter English word formed using 1st and 5th letter of “Barber” along with 2nd and 6th letter of “Parking” such that each letter to be used once? If more than one such word can be formed then mark ‘X’ as your answer, if no such word can be formed then mark “Y’ as your answer.
<b>A</b>	N
<b>B</b>	E
<b>C</b>	A
<b>D</b>	X
<b>E</b>	None of the above
<b>Correct Answer</b>	D
<b>Marks</b>	1

68

**Question Description**

Directions: Following questions are based on the five three-digit numbers given below:

284 312 437 585 696

If 2 is added to the first digit of each of the numbers how many numbers thus formed will be divisible by three?

**A**

None

**B**

One

**C**

Two

**D**

Three

**E**

None of the above

**Correct Answer**

A

**Marks**

1

69

**Question Description**

if 'R' stands for '-', 'A' stands for '+', 'B' stands for '÷' and 'C' stands for '×', then what is the value, of the given equation? (BODMAS rule will not be applicable)

25 A 37 C 2 B 4 R 1 = ?

A 32

B 35.5

C 42.5

D 27

E None of the above

**Correct Answer** C

**Marks** 1

70

<b>Question Description</b>	Which Pair does NOT belong with the others?
<b>A</b>	12 – 42
<b>B</b>	14 – 82
<b>C</b>	23 – 64
<b>D</b>	36 – 72
<b>E</b>	None of the above
<b>Correct Answer</b>	D
<b>Marks</b>	1

71

**Question Description**

Directions: These questions are based on the following information, read the comprehension carefully to answer the given questions.

Eight persons – A, B, C, D, E, F, G and H are sitting around a circular table, but not necessarily in the same order. Four of them are facing inside while rests of them are facing outside.

C is not adjacent to A, who is facing same direction as B. Two persons are sitting between E and G, who are facing different directions. B is sitting fourth to the left of E, who faces centre. E is sitting second to the right of C. Only one person is sitting between A and H, who are facing different directions. F is to the immediate left of H, who is facing same direction as E. D and F are facing same directions.

Four of the following five are alike in a certain way and so form a group. Find the one which does not belong to that group?

**A** D**B** A**C** E**D** F**E** None of the above**Correct Answer** B**Marks** 1

**Question Description**

Select the missing from the given alternatives:

3	P	7
V	36	R
15	T	11

4	D	8
J	?	F
16	H	12

2	L	6
R	32	?
14	P	10

**A** 40, M

**B** 32, M

**C** 40, N

**D** 32, N

**E** None of the above

**Correct Answer** C

**Marks** 1

73

**Question Description**

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

986 : 53 :: 725 : ?

**A**

25

**B**

39

**C**

34

**D**

35

**E**

None of the above

**Correct Answer**

C

**Marks**

1

74

**Question Description**

**Statement:** If the retired Professors of the same Institutes are also invited to deliberate on restructuring of the organisation, their contribution may be beneficial to the Institute.

**Courses of action:**

I. Management may seek opinion of the employees before calling retired professors.

II. Management should involve experienced people for the systematic restructuring of the organisation.

**A**

Only I follows

**B**

Only II follows

**C**

Either I or II follows

**D**

Neither I nor II follows

**E**

None of the above

**Correct Answer**

B

**Marks**

1

75

**Question Description**

Study the following questions carefully and choose the right answer

Statement: Should selection tests be of the objective rather than of the descriptive type?

Arguments:

I. Yes. The assessment of answers to objective type questions is fair and Impartial.

II. No. The descriptive type test is certainly a better tool than the objective type test.

**A**

Only I is strong

**B**

Only II is strong

**C**

Either I or II is strong

**D**

Neither I nor II is strong

**E**

None of the above

**Correct Answer**

A

**Marks**

1