

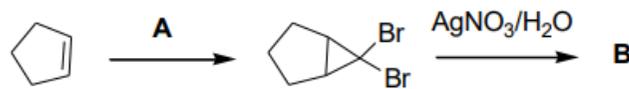
Computer Based Examination System

Exported On *	2022/06/27 12:12:27
Title *	Question Paper Answer Key
OES Exam *	GPSC07202102 / Assistant Professors in Government College in Chemistry(Organic)/ Completed / 2022-06-26

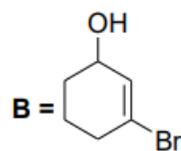
1

Question Description

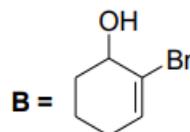
The reagent A required, and the major product B formed in the following reaction sequence are



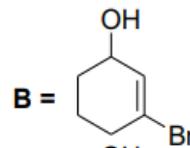
(A) A = CH₂Br₂ and KOtBu



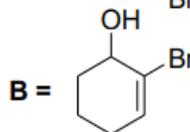
(B) A = CH₂Br₂ and KOtBu



(C) A = CHBr₃ and KOtBu



(D) A = CHBr₃ and KOtBu



A A

B B

C C

D	D
E	None of the above
Correct Answer	C
Marks	1

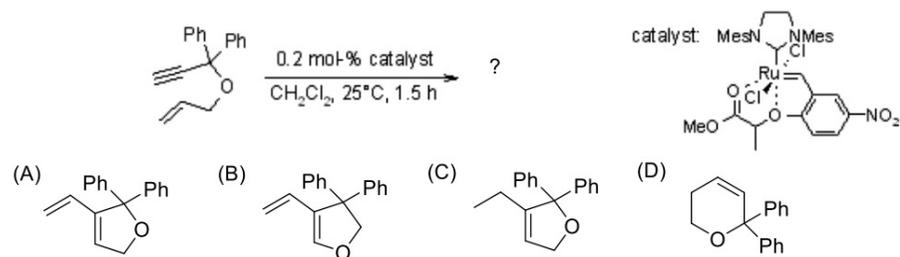
2

Question Description	In a 300 MHz ^1H NMR spectrum, an organic molecule exhibited a doublet for a methyl 1.25 and 1.29 ppm. The coupling J group. The two lines of the doublet appeared at constant (J) value is
A	6 Hz
B	6 MHz
C	12 Hz
D	12 MHz
E	None of the above
Correct Answer	D
Marks	1

3

Question Description

The major product of the reaction mentioned below will be _____



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

A

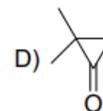
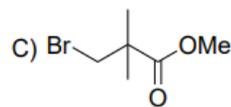
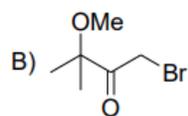
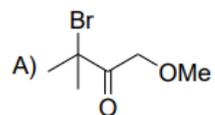
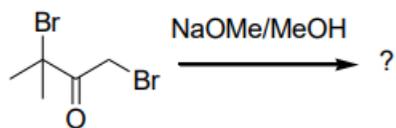
Marks

1

4

Question Description

Predict the major product of the following reaction is



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

C

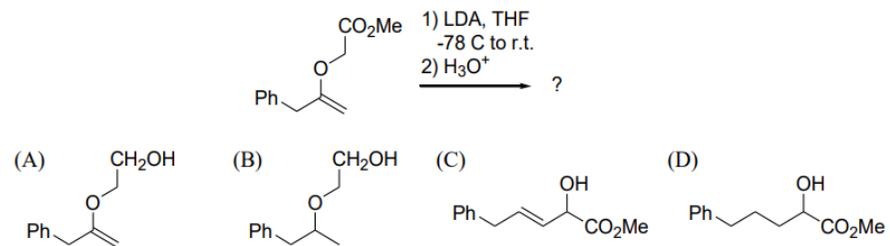
Marks

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5

Question Description

Identify the correct product for the given transformation:



A A

B B

C C

D D

E None of the above

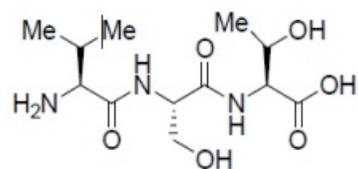
Correct Answer C

Marks 1

6

Question Description

The correct sequence (left to right) of the amino acids present in the tripeptide given below is

**A**

Val-Ser-Thr

B

Val-Thr-Ser

C

Leu-Ser-Thr

D

Leu-Thr-Ser

E

None of the above

Correct Answer

A

Marks

1

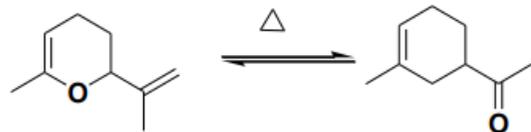
7	Question Description	A pumpkin shaped and a vase shape supramolecules are _____ and _____, , respectively.
	A	Calixarene and carcerand
	B	Cucurbituril and cyclodextrin
	C	Cucurbituril and calixarene
	D	Cyclodextrin and carcerand
	E	None of the above
	Correct Answer	C
	Marks	1

8	Question Description	The acidity constant (K_a) of 3,4,5-trichlorophenol at 25°C is : [Given that $pK_{aH}=9.92$, $\rho=2.25$, $\sigma_{m-Cl}=0.37$, $\sigma_{p-Cl}=0.23$]
	A	1.20×10^{-9}
	B	2.69×10^{-9}
	C	1.84×10^{-8}
	D	3.71×10^8
	E	None of the above
	Correct Answer	C
	Marks	1

9

Question Description

The following thermal rearrangement is an example of:



A Cope rearrangement

B Claisen rearrangement

C [1,3] sigmatropic rearrangement

D [1,3] sigmatropic rearrangement

E None of the above

Correct Answer B

Marks 1

10

Question Description

An acid resistant and a base resistant protecting group for the primary amine group are ____ and _____, respectively.

A Fmoc, Benzyl

B Fmoc, Boc,

C Boc, Benzyl

D Boc, Acetyl

E None of the above

Correct Answer D

Marks 1

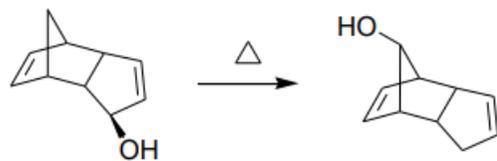
11	Question Description	The ^{14}C dating method is not usually used for dating organic substance older than ~60,000 years, because
	A	Such objects accumulated ^{14}C after their formation.
	B	In those time there was no existence of ^{14}C .
	C	Most of the ^{14}C in the sample would have decayed
	D	Such objects rarely contain carbon
	E	None of the above
	Correct Answer	C
	Marks	1

12	Question Description	Antitubercular drug(s) among the following is (are) (i) Salbutamol; (ii) Ethambutanol; (iii) Diazepam; (iv) Isoniazid
	A	(i) and (ii)
	B	(ii) and (iv)
	C	(iii) alone
	D	(i) and (iii)
	E	None of the above
	Correct Answer	B
	Marks	1

13

Question Description

The pericyclic reaction given below is an example of

**A**

[1,3]-sigmatropic shift

B

[1,5]-sigmatropic shift

C

[3,5]-sigmatropic shift

D

[3,3]-sigmatropic shift

E

None of the above

Correct Answer

D

Marks

1

14	Question Description	The following transformation proceeds through two consecutive electrocyclic processes, which are: 
	A	4 π conrotatory and 6 π conrotatory
	B	4 π disrotatory and 6 π conrotatory
	C	4 π conrotatory and 6 π disrotatory
	D	4 π disrotatory and 6 π disrotatory
	E	None of the above
	Correct Answer	C
	Marks	1

15	Question Description	A δ -methyl group of an alcohol can be converted to an aldehyde functionality by converting the alcohol to _____ derivative followed by photo-irradiation and hydrolysis. The main reaction is called _____ reaction.
	A	amine to diazo; Hell-Volhard-Zelinsky Reaction
	B	nitrite; Barton reaction
	C	carbonate; McMurry Reaction
	D	orthoformate; McMurry Reaction
	E	None of the above
	Correct Answer	B
	Marks	1

16

Question Description

The IUPAC name of the given compound is ____

**A**

bicyclo[2.1.0]pentane

B

bicyclo[3.1.0]hexane

C

bicyclo[3.0.1]hexane

D

bicyclo[2.1.0]hexane

E

None of the above

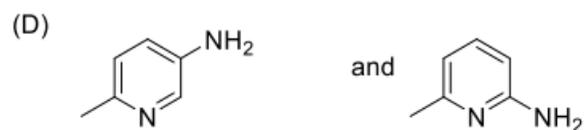
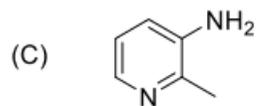
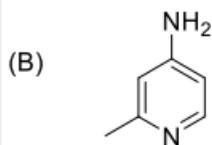
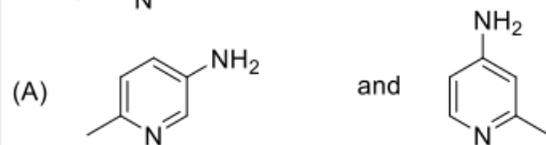
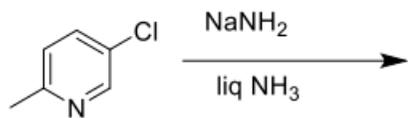
Correct Answer

B

Marks

1

17 Question Description The major product(s) formed in the following reaction is (are)

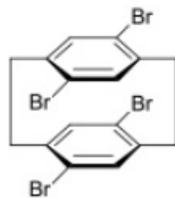


- A A
B B
C C
D D
E None of the above

Correct Answer A

Marks 1

18

Question DescriptionNumber of signals present in the proton decoupled ^{13}C NMR spectrum of the following compound is**A**

Six

B

Eight

C

Four

D

Ten

E

None of the above

Correct Answer

C

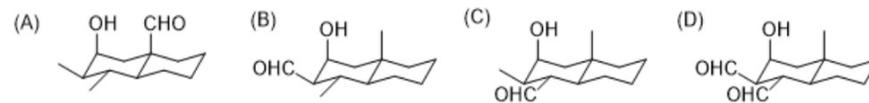
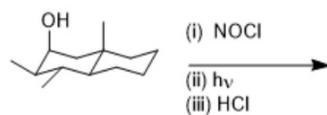
Marks

1

19

Question Description

The major product formed in the following reaction is _____



A A

B B

C C

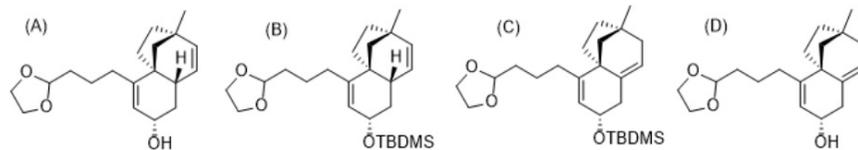
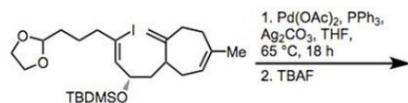
D D

E None of the above

Correct Answer A**Marks** 1

Question Description

The structure of the final product of the following reactions will be _____



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

A

Marks

1

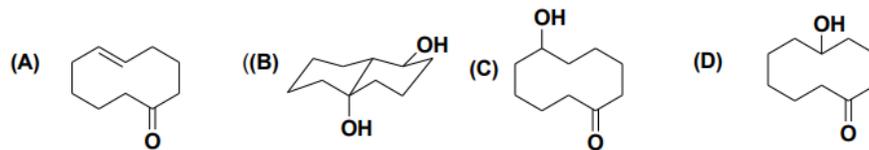
21	Question Description	Identify the correct statement(s) about the following compounds 
	A	A is more stable than B
	B	B is more stable than A
	C	Both are equally stable
	D	Both of them are conformationally locked
	E	None of the above
	Correct Answer	C
	Marks	1

22	Question Description	The rate of the reaction in ascending order for the following compounds with MeMgBr. I) CH ₃ CHO, II) PhCOCH ₃ , III) CH ₃ COOH, IV) CH ₃ COOCH ₂ Ph is
	A	I < III < II < IV
	B	IV < II < I < III
	C	III < IV < II < I
	D	IV < III < II < I
	E	None of the above
	Correct Answer	B
	Marks	1

23

Question Description

Following compounds give the same product when treated with a base. Identify the product.



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

A

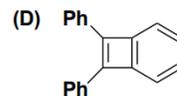
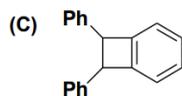
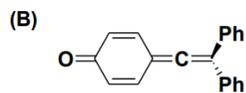
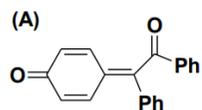
Marks

1

24

Question Description

The structure of the product formed is _____, when p-benzoquinone is allowed to react with 1,2 diphenyl acetylene under photochemical condition.



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

A

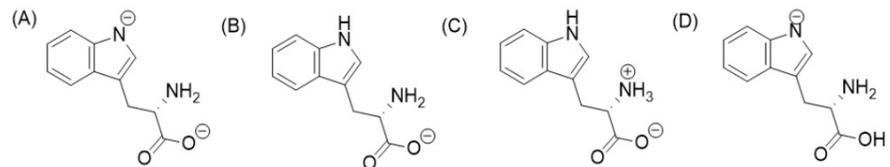
Marks

1

25

Question Description

The most expected structure of tryptophan at pH 10 is _____



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

B

Marks

1

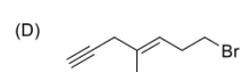
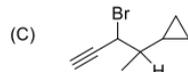
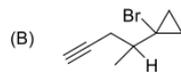
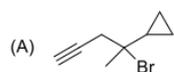
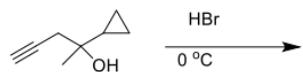
26

Question Description	The decreasing order of stability of carbocations $\text{CH}_3\text{-CH}^+\text{-CH=CH}_2$ (I); $(\text{CH}_3)_2\text{CH}^+$ (II) and $(\text{CH}_3)_2\text{C}^+\text{-CH=CH}_2$ (III) is
A	I>II>III
B	II>I>III
C	III>I>II
D	II>III>I
E	None of the above
Correct Answer	C
Marks	1

27

Question Description

The structure of the major product formed in the below mentioned reaction is



A

A

B

B

C

C

D

D

E

None of the above

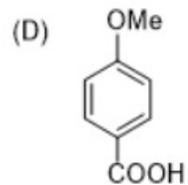
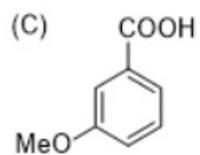
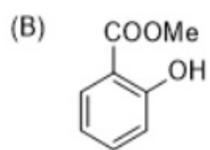
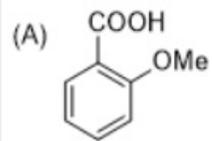
Correct Answer

D

Marks

1

28

Question DescriptionIdentify the compound that will show a base peak at m/z 120 in ESI mass spectrum

A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

B

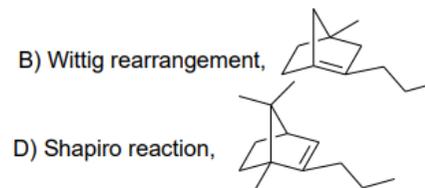
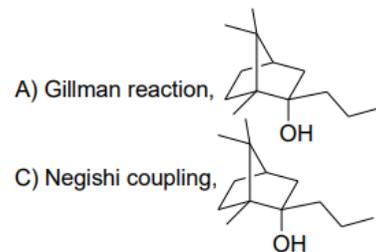
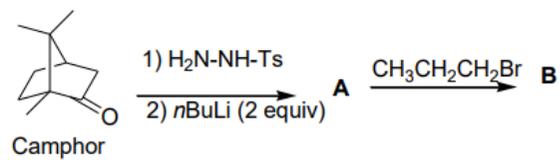
Marks

1

29

Question Description

In the following two step transformation the first step is called _____ and the final product B will be



A A

B B

C C

D D

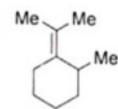
E None of the above

Correct Answer D

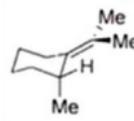
Marks 1

Question Description

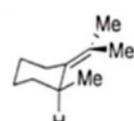
The most stable conformation for the following compounds



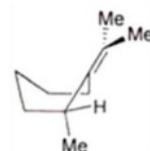
(A)



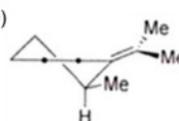
(B)



(C)



(D)



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

A

Marks

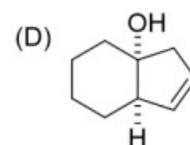
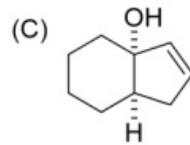
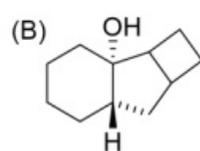
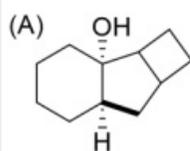
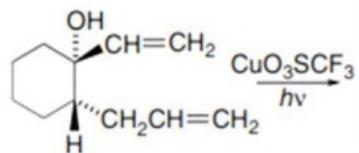
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31

Question Description	In a covalent-organic-framework (COF) synthesis combination of C_3 and C_4 ligands would lead to a _____ framework.
A	hexagonal
B	tetragonal
C	octahedral
D	adamentane like
E	None of the above
Correct Answer	B
Marks	1

Question Description

Predict the major product under photochemical condition.



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

B

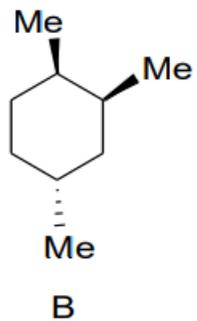
Marks

1

33

Question Description

The additional energy cost due to 1,3-diaxial interaction in the more stable conformation of cis-2-trans-4-trimethyl cyclohexane (B) in Kcal/mole is

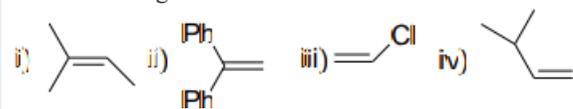


A	1.8
B	3.6
C	2.7
D	0
E	None of the above
Correct Answer	A
Marks	1

34

Question Description

The descending order of the ease of HBr addition on the following compounds is

**A**

i>ii>iv>iii

B

ii>iii>i>iv

C

ii>i>iv>iii

D

i>ii>iii>iv

E

None of the above

Correct Answer

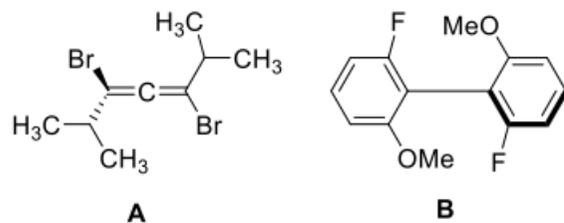
C

Marks

1

Question Description

Which statement is correct?



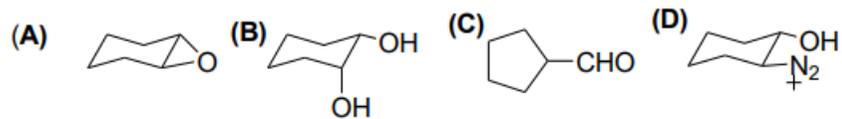
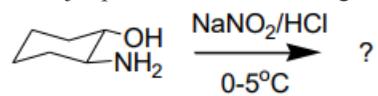
- A** Both A and B are optically active
- B** Both A and B are optically active
- C** B can be optically active but not A
- D** Both A and B are optically inactive.
- E** None of the above

Correct Answer B**Marks** 1

36

Question Description

The major product of the following reaction is



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

C

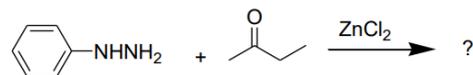
Marks

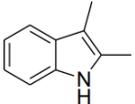
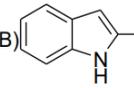
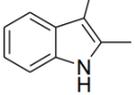
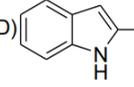
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37

Question Description

The major product of the following reaction is _____ and reaction is called _____.



- A)  ; Fischer Indole Synthesis B)  Et; Fischer Indole Synthesis
- C)  ; Gassman indole synthesis D)  Et; Gassman indole synthesis

A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

A

Marks

1

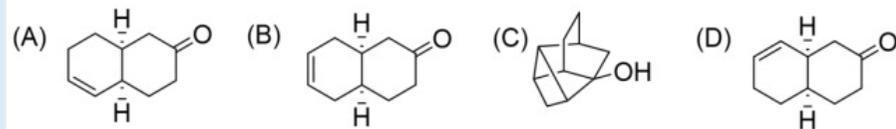
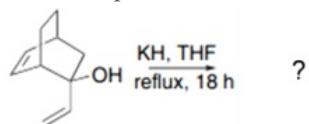
38

Question Description	A proton H_b is coupled to four equivalent protons H_a . The multiplicity and the relative intensity of lines in the signal H_b is?
A	Doublet, I : 4
B	Triplet, I : 4 : 6
C	Quintet, 1 : 4 : 6 : 4 : 1
D	Quartet, 1 : 4 : 6 : 4
E	None of the above
Correct Answer	C
Marks	1

39

Question Description

Predict the product of the following reaction.



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

A

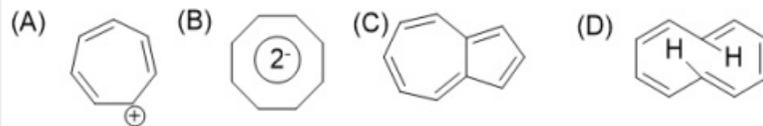
Marks

1

40

Question Description

Predict the correct sequence on the aromaticity of compounds A-D.



A aromatic, antiaromatic, antiaromatic, non-aromatic

B aromatic, non-aromatic, aromatic, aromatic

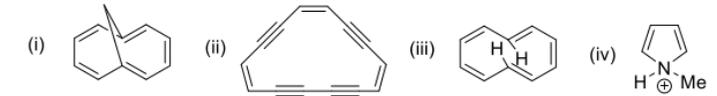
C aromatic, antiaromatic, aromatic, non-aromatic

D anitaromatic, antiaromatic, antiaromatic, non-aromatic

E None of the above

Correct Answer C

Marks 1

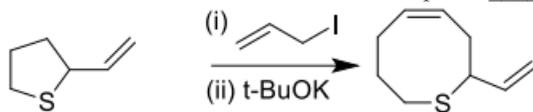
41	Question Description	Which of the following compounds are aromatic? 
	A	A
	B	B
	C	C
	D	D
	E	None of the above
	Correct Answer	A
	Marks	1

42	Question Description	Oxymyoglobin Mb(O ₂) and oxyhemoglobin Hb(O ₂) ₄ , respectively, are
	A	paramagnetic and paramagnetic
	B	paramagnetic and diamagnetic
	C	diamagnetic and paramagnetic
	D	diamagnetic and diamagnetic
	E	None of the above
	Correct Answer	B
	Marks	1

43

Question Description

The below mentioned reaction is an example of _____

**A**

Pummerer rearrangement

B

[2,3]-sigmatropic shift

C

Ramberg-Bäcklund reaction

D

[3,3]-sigmatropic shift

E

None of the above

Correct Answer

B

Marks

1

44

Question DescriptionThe number of ^1H NMR signals observed for the below-mentioned compound is _____**A**

3

B

4

C

5

D

6

E

None of the above

Correct Answer

B

Marks

1

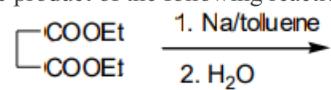
45

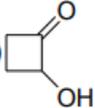
Question Description	Which of the following $^1\text{H-NMR}$ spectrum of compound shows delta 5.30 (broad, 1H), 4.10 (q, 2H), 2.80 (d, 3H), 1.20 (t, 3H) ppm?
A	$\text{CH}_3\text{NHCOOCH}_2\text{CH}_3$
B	$\text{CH}_3\text{CH}_2\text{NHCOOCH}_3$
C	$\text{CH}_3\text{OCH}_2\text{CONHCH}_3$
D	$\text{CH}_3\text{CH}_2\text{OCH}_2\text{CONH}_2$
E	None of the above
Correct Answer	A
Marks	1

46

Question Description

The product of the following reaction is



- A) $\begin{array}{c} \text{CH}_2\text{OH} \\ | \\ \text{---} \\ | \\ \text{CH}_2\text{OH} \end{array}$ B) $\begin{array}{c} \text{COOH} \\ | \\ \text{---} \\ | \\ \text{COOH} \end{array}$ C)  D) No reaction

A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

C

Marks

1

47

Question Description

The IUPAC name of the following compound is:

**A**

tricyclo[1.1.0.11,3]pentane

B

tricyclo[1.1.1.01,3]pentane

C

tricyclo[1.1.1.01,5]pentane

D

tricyclo[1.0.1.01,5]pentane

E

None of the above

Correct Answer

B

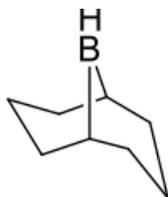
Marks

1

48

Question Description

The IUPAC name of the given compound is _____

**A**

1-borabicyclo[3.3.0]octane

B

1-borabicyclo[3.3.1]nonane

C

9-borabicyclo[3.3.1]nonane

D

9-borabicyclo[3.3.0]octane

E

None of the above

Correct Answer

C

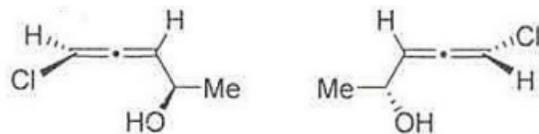
Marks

1

49

Question Description

The relation between the following compounds is _____

**A**

Diastereomers

B

homomers

C

enantiomers

D

constitutional isomers

E

None of the above

Correct Answer

B

Marks

1

50

Question DescriptionThe symmetry point group of the most stable geometry of the following molecule $\text{Cl}(\text{H})\text{C}=\text{C}=\text{C}(\text{H})\text{Cl}$ is**A** C_2 **B** C_1 **C** C_{2v} **D** C_{2h} **E**

None of the above

Correct Answer

A

Marks

1

51

Comprehension

Read the Passage Below and answer the following questions:

From the very beginning man has attempted what has seemed impossible. Man is different from the rest of the creation in this respect. He has an eternal thirst for adventure. This has led to countless new discoveries and inventions. Human curiosity is limitless. This has led to space flights and moon landings. The desire to know what is beyond the visible world takes many forms. The Everest hero Tenzing and the hero of the 'Seven Seas', Mihir Sen, were inspired by the same restless spirit. Astronauts Armstrong, Collins and Aldrin, who were the first humans to set foot on the soil of the moon, have proved beyond doubt that man shall not rest until he has conquered the entire universe. But, is it enough to know and master nature? Which is more important: knowing and understanding the world around or knowing and understanding yourself? In the absence of self-knowledge, the most advanced knowledge of the universe is not only useless but dangerous.

Question Description

From the options provided below, identify the phrase that does not describe the innate nature of human kind, as per the passage

A

eternal thirst for knowledge

B

countless new discoveries and inventions

C

desire to know what is beyond the visible world

D

restless spirit

E

None of the above

Correct Answer

B

Marks

1

Comprehension

Read the Passage Below and answer the following questions:

From the very beginning man has attempted what has seemed impossible. Man is different from the rest of the creation in this respect. He has an eternal thirst for adventure. This has led to countless new discoveries and inventions. Human curiosity is limitless. This has led to space flights and moon landings. The desire to know what is beyond the visible world takes many forms. The Everest hero Tenzing and the hero of the 'Seven Seas', Mihir Sen, were inspired by the same restless spirit. Astronauts Armstrong, Collins and Aldrin, who were the first humans to set foot on the soil of the moon, have proved beyond doubt that man shall not rest until he has conquered the entire universe. But, is it enough to know and master nature? Which is more important: knowing and understanding the world around or knowing and understanding yourself? In the absence of self-knowledge, the most advanced knowledge of the universe is not only useless but dangerous.

Question Description

The passage indicates that mankind differs from other living species in

A

the thirst for adventure

B

self-knowledge

C

the desire to conquer the universe

D

attempting the impossible

E

None of the above

Correct Answer

D

Marks

1

Comprehension

Read the Passage Below and answer the following questions:

From the very beginning man has attempted what has seemed impossible. Man is different from the rest of the creation in this respect. He has an eternal thirst for adventure. This has led to countless new discoveries and inventions. Human curiosity is limitless. This has led to space flights and moon landings. The desire to know what is beyond the visible world takes many forms. The Everest hero Tenzing and the hero of the 'Seven Seas', Mihir Sen, were inspired by the same restless spirit. Astronauts Armstrong, Collins and Aldrin, who were the first humans to set foot on the soil of the moon, have proved beyond doubt that man shall not rest until he has conquered the entire universe. But, is it enough to know and master nature? Which is more important: knowing and understanding the world around or knowing and understanding yourself? In the absence of self-knowledge, the most advanced knowledge of the universe is not only useless but dangerous.

Question Description

Read the following statements and arrange them in a logical sequence in line with the tone of the passage

- (i) In the absence of self-knowledge, it is also dangerous
- (ii) Knowing and understanding yourself is more important
- (iii) The most advanced knowledge of the universe is useless
- (iv) Knowing and understanding the world around is important

A

(i); (ii); (iii); (iv)

B

(iv); (ii); (iii); (iv)

C

(iii); (i); (ii); (iv)

D

(ii); (iv); (iii); (i)

E

None of the above

Correct Answer

B

Marks

1

Comprehension

Read the Passage Below and answer the following questions:

From the very beginning man has attempted what has seemed impossible. Man is different from the rest of the creation in this respect. He has an eternal thirst for adventure. This has led to countless new discoveries and inventions. Human curiosity is limitless. This has led to space flights and moon landings. The desire to know what is beyond the visible world takes many forms. The Everest hero Tenzing and the hero of the 'Seven Seas', Mihir Sen, were inspired by the same restless spirit. Astronauts Armstrong, Collins and Aldrin, who were the first humans to set foot on the soil of the moon, have proved beyond doubt that man shall not rest until he has conquered the entire universe. But, is it enough to know and master nature? Which is more important: knowing and understanding the world around or knowing and understanding yourself? In the absence of self-knowledge, the most advanced knowledge of the universe is not only useless but dangerous.

Question Description

In the passage what is described as boundless

A

the desire to know

B

the universe

C

the restless spirit

D

human curiosity

E

None of the above

Correct Answer

D

Marks

1

55

Comprehension

Read the Passage Below and answer the following questions:

From the very beginning man has attempted what has seemed impossible. Man is different from the rest of the creation in this respect. He has an eternal thirst for adventure. This has led to countless new discoveries and inventions. Human curiosity is limitless. This has led to space flights and moon landings. The desire to know what is beyond the visible world takes many forms. The Everest hero Tenzing and the hero of the 'Seven Seas', Mihir Sen, were inspired by the same restless spirit. Astronauts Armstrong, Collins and Aldrin, who were the first humans to set foot on the soil of the moon, have proved beyond doubt that man shall not rest until he has conquered the entire universe. But, is it enough to know and master nature? Which is more important: knowing and understanding the world around or knowing and understanding yourself? In the absence of self-knowledge, the most advanced knowledge of the universe is not only useless but dangerous.

Question Description

From the options provided, select the antonym of the word "restless", in the sense implied in the passage

A

peace loving

B

calm

C

contentious

D

eager

E

None of the above

Correct Answer

B

Marks

1

56	Question Description	B. C. Roy Award is given in the field of
	A	Music
	B	Journalism
	C	Medicine
	D	Environment
	E	None of the above
	Correct Answer	C
	Marks	1

57	Question Description	Who was the first Indian Chief of Army Staff of the Indian Army ?
	A	Gen. K.M. Cariappa
	B	Vice-Admiral R.D. Katari
	C	Gen. Maharaja Rajendra Singhji
	D	Gen. Vishit Singh
	E	None of the above
	Correct Answer	A
	Marks	1

58	Question Description	India has recently launched its first COVID-19 vaccine for animals. What is the name of vaccine?
	A	Petcovax
	B	Anocovax
	C	Creacovax
	D	Armacovax
	E	None of the above
	Correct Answer	B
	Marks	1

59	Question Description	Baikho festival is celebrated in which state?
	A	Manipur
	B	Nagaland
	C	Tripura
	D	Assam
	E	None of the above
	Correct Answer	D
	Marks	1

60

Question Description	The world's first wildlife conservation bond Has been issued by the World Bank for which animal?
A	White elephant
B	Black Rhinoceros
C	Asiatic Lion
D	Bengal Tiger
E	None of the above
Correct Answer	B
Marks	1

61

Question Description	Tap to pay for UPI' is a new functionality launched by which platform?
A	Google Pay
B	PhonePe
C	BHIM App
D	Paytm
E	None of the above
Correct Answer	A
Marks	1

62	Question Description	Who among the following has recently been appointed ambassador of Indo-UK culture platform?
	A	Sonu Nigam
	B	Arijit Singh
	C	Shankar Mahadevan
	D	AR Rahman
	E	None of the above
	Correct Answer	D
	Marks	1

63	Question Description	Maruti Suzuki Installs Asia's largest 20 MWp carport type Solar Plant at which state?
	A	Haryana
	B	Maharashtra
	C	Rajasthan
	D	Punjab
	E	None of the above
	Correct Answer	A
	Marks	1

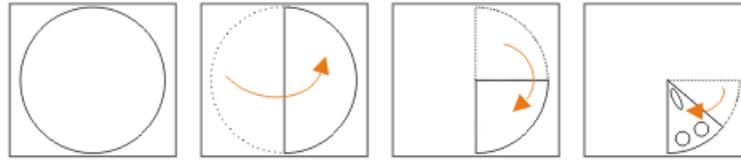
64	Question Description	What is the name of the eBook launched by the Income Tax Department?
	A	Amrutwani
	B	Pratidhwani
	C	Aatmnirbhar
	D	Kiyaverse
	E	None of the above
	Correct Answer	B
	Marks	1

65	Question Description	World Veterinary Day is being celebrated on which date?
	A	April 29
	B	April 28
	C	April 30
	D	April 27
	E	None of the above
	Correct Answer	C
	Marks	1

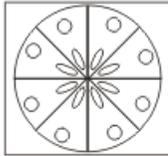
66

Question Description

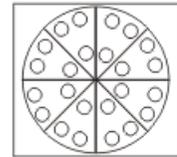
In the question, a piece of paper is folded and cut as shown below in the questions figures. From the given option figures, which one indicates how it will appear when opened.



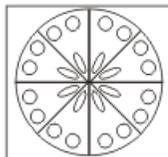
A



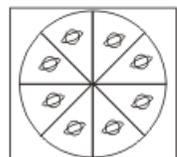
B



C



D



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

C

67

Question Description

Find the missing Numbers.

38	54	61	79
21	?	12	24
19	09	14	?

A

18, 46

B

28, 51

C

42, 62

D

18, 44

E

None of the above

Correct Answer

D

Marks

1

68	Question Description	January 1, 2008 is Tuesday. What day of the week lies on Jan 1, 2009?
	A	Monday
	B	Wednesday
	C	Thursday
	D	Sunday
	E	None of the above
	Correct Answer	C
	Marks	1

69	Question Description	On what dates of April, 2001 did Wednesday fall?
	A	1 st , 8 th , 15 th , 22 nd , 29 th
	B	2 nd , 9 th , 16 th , 23 rd , 30 th
	C	3 rd , 10 th , 17 th , 24 th
	D	4 th , 11 th , 18 th , 25 th
	E	None of the above
	Correct Answer	D
	Marks	1

70

Question Description

Following questions are based upon the word series given below.

DEN, RAT, EAR, OWL, CUB

If all the letters in all the words are arranged in reverse alphabetical order(within the word), then which of the following words can be formed using first letter of first word from left end, second letter of second word from right end and first letter of second word from left end?

A

BOT

B

ATN

C

NOT

D

TEN

E

None of the above

Correct Answer

C

Marks

1

71

Question Description

Direction: In each of the following question, there is a certain relationship between two given pair on both side of '::' . One word is given on another side of '::' while another word is to be found from the given options, having the same relation with this word as the words of the given pair . Choose the correct word from the following options.

Tectonics : Building : : Taxidermy : ?

A

Classification

B

Conserving

C

Stuffing

D

Collecting

E

None of the above

Correct Answer

C

Marks

1

72

Question Description

Find out the wrong number in the given sequence of numbers.

105, 85, 60, 30, 0, -45, -90

A

0

B

85

C

-45

D

60

E

None of the above

Correct Answer

A

Marks

1

73

Question Description

A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is:

A

100 kmph

B

110 kmph

C

120 kmph

D

130 kmph

E

None of the above

Correct Answer

C

Marks

1

74

Question Description

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

Certain number of persons is standing in a linear row facing towards the north. Information about few of them is given here. T stands third to the left of G, who is sixth to the right of A. 7 persons stand between B and T, where T is somewhere to the left of B. 3 persons stand between D and B, who is second to the left of the one who is fourth from the right end. Only 4 persons stand between U and C. 3 persons stand to the right of C, which is half the number of persons standing to the left of T.

What is the position of T with respect to U?

A 2nd to the right

B 7th to the left

C 5th to the left

D 3rd to the left

E None of the above

Correct Answer C

Marks 1

75

Question Description

In a family of 7 persons, there are only 3 females and three married couples. Each child has both the parents alive. The family members – A,B,C,D,E,F and G spent certain amounts in a month.

B is the only son of G, who spent the third highest amount. A is not a female and spent an amount just lower than D's husband. C is the father of two children of different genders one of them is D. E's mother-in-law was the third highest spender. F is the aunt of A and spent the highest amount. The spendings of E were just lower than A's uncle, who spent the fourth highest amount. C spent Rs. 4500, which is the second highest amount to be spent.

How is the second highest spender related to the second lowest spender?

A

Father

B

Maternal grandfather

C

Paternal Uncle

D

Can't be determined

E

None of the above

Correct Answer

B

Marks

1