

Computer Based Examination System

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Title *	Question Paper Answer Key
OES Exam *	GPSC06202108 / Associate Professors in Pharmaceutical Chemistry/ Completed / 2022-02-20

1	Question Description	Calcifediol is hydroxylated by the kidneys to-
	A	25-hydroxycholecalciferol
	B	25(OH)D
	C	Calcitriol
	D	1,25-dihydroxycholecalciferol
	E	None of the above
	Correct Answer	D
	Marks	1

2	Question Description	Identify the following rearrangement in which a ketone or aldehyde is converted to an alkene and is similar to Bamford-Stevens reaction involving basic decomposition of tosylhydrazones, but differs with the use of organolithium reagent.
	A	Pinacol rearrangement
	B	Shapiro reaction
	C	Wagner -Meerwein rearrangement
	D	Doebner Miller reaction
	E	None of the above
	Correct Answer	B
	Marks	1

3	Question Description	Identify the following rearrangement, in which the intermediate an alpha (α)hydroxycarbenium ion, rearranges through a 1,2-alkyl shift to produce the carbonyl compound.
	A	Pinacol rearrangement
	B	Hoffmann rearrangement
	C	Wagner -Meerwein rearrangement
	D	Dakin reaction
	E	None of the above
	Correct Answer	A
	Marks	1

4	Question Description	The SAR studies of H2 receptor antagonists have necessitated the nature of terminal N-group in the potential molecule to be ___ and ___ substituent for exhibiting optimal antagonistic activity.
	A	polar, basic
	B	polar, nonbasic
	C	nonpolar, basic
	D	nonpolar, nonbasic
	E	None of the above
	Correct Answer	B
	Marks	1

5	Question Description	The compound (E)-1-N'-[2-[[2-[(dimethylamino)methyl]-1,3-thiazol-4-yl] methylsulfanyl] ethyl]-1-N-methyl-2-nitroethene-1,1-diamine used in treatment of peptic ulcer disease and gastroesophageal reflux disease is
	A	Famotidine
	B	Nizatidine
	C	Roxatidine
	D	Lafutidine
	E	None of the above
	Correct Answer	B
	Marks	1

6	Question Description	Which among the following is an alpha-blocker?
	A	Prazocin
	B	Metaprolol
	C	Diazoxide
	D	Losartan
	E	None of the above
	Correct Answer	A
	Marks	1

7	Question Description	The peak for the aliphatic sulfhydryl proton in pmr spectrum appears around delta (δ) ___ ppm?
	A	6.2 to 6.4
	B	4.3 to 4.5
	C	2.1 to 2.3
	D	1.2 to 1.6
	E	None of the above
	Correct Answer	D
	Marks	1

8	Question Description	Which among the following compound was the earliest anticonvulsant compound approved by US and UK regulator in 1938?
	A	Acetazolamide
	B	Ethotoin
	C	Ethosuximide
	D	Phenytoin
	E	None of the above
	Correct Answer	D
	Marks	1

9	Question Description	Which of the following is not a method for determination mechanism of reaction?
	A	Nature of products
	B	Use of labelled isotopes
	C	Study of intermediates
	D	E1cB mechanism
	E	None of the above
	Correct Answer	D
	Marks	1

10	Question Description	Which of the following macrolide antibiotics is 14-membered one with 3 ketone groups?
	A	Azithromycin
	B	Telithromycin
	C	Tulathromycin
	D	Clarithromycin
	E	None of the above
	Correct Answer	B
	Marks	1

11	Question Description	Pyruvic acid on condensation with benzaldehyde, reduction using Pt and treatment with methyl amine leads to the formation of this alkaloid
	A	Atropine
	B	Ephedrine
	C	Emetine
	D	Codeine
	E	None of the above
	Correct Answer	B
	Marks	1

12	Question Description	Which of the following is not used as an opioid antagonist?
	A	Naloxone
	B	Naltrexone
	C	Methylnaltrexone
	D	Loperamide
	E	None of the above
	Correct Answer	D
	Marks	1

13	Question Description	Which among the following element cannot demonstrate M+2 peak in its mass spectrum?
	A	Sulphur
	B	Iodine
	C	Oxygen
	D	Bromine
	E	None of the above
	Correct Answer	B
	Marks	1

14	Question Description	In this reaction catalysed by Cu (II), synthesis of symmetrical biaryls takes place.
	A	Dieckmann reaction
	B	Sharpless asymmetric epoxidation
	C	Ullmann reaction
	D	Mitsunobu reaction
	E	None of the above
	Correct Answer	C
	Marks	1

15	Question Description	In dilute solutions containing ions of dissociated calcium, magnesium, potassium and aluminium ions, the one that has the ability to undergo highest exchange from bulk of the solution is _
	A	Calcium
	B	Magnesium
	C	Potassium
	D	Aluminium
	E	None of the above
	Correct Answer	D
	Marks	1

16	Question Description	Which among the following is an example for irreversible protease inhibitor?
	A	Ritonavir
	B	Etoposide
	C	Diisopropylfluorophosphate
	D	Methotrexate
	E	None of the above
	Correct Answer	C
	Marks	1

17	Question Description	Alkenes getting oxidised by cool aqueous KMnO_4 to vicinal glycols is an example of
	A	Nucleophilic addition reaction
	B	Electrophilic addition reaction
	C	Free radical reaction
	D	Pericyclic reaction
	E	None of the above
	Correct Answer	B
	Marks	1

18	Question Description	Identify one among the following that is not essentially used to perform ionization in Mass spectrometers.
	A	FAB
	B	ICR
	C	EI
	D	MALDI
	E	None of the above
	Correct Answer	B
	Marks	1

19	Question Description	Which among the following is correct statement that best describes one of the properties of Niacin?
	A	100 gm of niacin dissolves in 100 ml water.
	B	Insoluble in boiling water.
	C	1% aqueous solution of has a pH of 7.35
	D	Sublimes without decomposition
	E	None of the above
	Correct Answer	D
	Marks	1

20	Question Description	Which among the following is the most potent form of Norgestrel as an oral contraceptive?
	A	Racemic mixture of dextro and levo isomers
	B	Dextronorgestrel
	C	Levonorgestrel
	D	Mesonorgestrel
	E	None of the above
	Correct Answer	C
	Marks	1

21	Question Description	In a steroidal hormone estrone, the M+1 peak in the mass spectrum is found at m/z of ___
	A	270
	B	271
	C	272
	D	273
	E	None of the above
	Correct Answer	B
	Marks	1

22	Question Description	Modification of morphine led to phenylpiperidines, which are morphine agonists. Select the one that is not a phenylpiperidine analogue amongst the following.
	A	Meperidine
	B	Naloxone
	C	Diphenoxylate
	D	Loperamide
	E	None of the above
	Correct Answer	B
	Marks	1

23	Question Description	The nitrile chromophore group of acetonitrile shows _____ band at wavelength of _____ nm, when an absorption spectrum is recorded in the vapour form of the compound.
	A	Weak, 207
	B	Weak, 167
	C	Strong, 227
	D	Strong, 217
	E	None of the above
	Correct Answer	B
	Marks	1

24	Question Description	Amongst following semisynthetic derivatives of artemisinin, identify the one that is a methyl ether derivative.
	A	Artemether
	B	Arteether
	C	Artesunate
	D	Dihydroartemisinin
	E	None of the above
	Correct Answer	A
	Marks	1
25	Question Description	In the Structure Activity Relationship studies of morphine, which of the following statements is not true?
	A	Removal of OH group at C-3 reduces activity
	B	Reduction of double bond between C-7 & C-8 increases activity
	C	Introduction of OH at C-14 increases activity
	D	Acetylation of OH at C-6 reduces the activity
	E	None of the above
	Correct Answer	D
	Marks	1

26	Question Description	Which of the following reactions/rearrangements nitrene is not a reactive intermediate?
	A	Beckmann rearrangement
	B	Curtius rearrangement
	C	Schmidt rearrangement
	D	Hoffman reaction
	E	None of the above
	Correct Answer	A
	Marks	1

27	Question Description	Which among the following is bioactive form of Naproxen that has higher anti inflammatory activity?
	A	(S)-6-methoxy- α -methyl-2-naphthaleneacetic acid
	B	(R)-6-methoxy- α -methyl-2-naphthaleneacetic acid
	C	(S)-4-methoxy- α -methyl-2-naphthaleneacetic acid
	D	(R)-4-methoxy- α -methyl-2-naphthaleneacetic acid
	E	None of the above
	Correct Answer	A
	Marks	1

28	Question Description	Reserpine on hydrolysis yields a mixture of
	A	Methyl alcohol; 3,4,5-trimethoxy cinnamic acid and reserpic acid
	B	Ethyl alcohol; 3,4,5-trimethoxy benzoic acid and reserpic acid
	C	Acetic acid,3; 4,5-trimethoxy cinnamic acid and reserpic acid
	D	Methyl alcohol; 3,4,5-trimethoxy benzoic acid and reserpic acid
	E	None of the above
	Correct Answer	D
	Marks	1

29	Question Description	The compound 1-(Isopropyl) 4-methyl-cyclohex-1,5-diene shows absorption maxima at ____ nm.
	A	232
	B	253
	C	263
	D	268
	E	None of the above
	Correct Answer	D
	Marks	1

30	Question Description	A DNA polymerase inhibitor that is S-phase specific, incorporates its metabolites into DNA and used for treatment of Acute myeloid leukaemia, acute lymphoblastic leukaemia, chronic myeloid leukaemia, lymphomas, progressive multifocal leuco encephalopathy and meningeal leukaemia is –
	A	Cytarabine
	B	Fluorouracil
	C	Tioguanine
	D	Cetuximab
	E	None of the above
	Correct Answer	A
	Marks	1

31	Question Description	Which of the following macrolides is stable under acidic conditions and doesn't form an inactive cyclic ketal?
	A	Erythromycin
	B	Clarithromycin
	C	Azithromycin
	D	Oleandomycin
	E	None of the above
	Correct Answer	C
	Marks	1

32	Question Description	Identify a property of GLC stationary phase that is incorrect with regard to its essential criteria for being considered as an ideal phase?
	A	Liquid should be thermally stable.
	B	Liquid should be less volatile.
	C	Liquid should not be a good solvent for component.
	D	Boiling point of liquid should be higher than the vaporization point of the sample component.
	E	None of the above
	Correct Answer	C
	Marks	1

33	Question Description	The number of main peaks in the PMR spectrum of 4,4-dimethyl cyclohex-2-en-1-one is ____
	A	Three
	B	Four
	C	Five
	D	Six
	E	None of the above
	Correct Answer	C
	Marks	1

34	Question Description	Identify the entity from amongst the following that exhibits hypsochromic shift with regard to UV absorption peak of benzene?
	A	Phenolate
	B	Anilinium
	C	Alkyl amine
	D	Alkoxy phenol
	E	None of the above
	Correct Answer	B
	Marks	1

35	Question Description	Selective hydrolysis of Digoxin in acidic medium produces –
	A	Digoxigenin + 3 units of Digitoxose
	B	Digoxigenin and 3 units of Digitalose
	C	Digoxigenin + 2 units of Digitoxose and 1 unit of Digitalose
	D	Digoxigenin + 2 units of Digitalose and 1 unit of Digitoxose
	E	None of the above
	Correct Answer	A
	Marks	1

36	Question Description	Identify the following rearrangement which yields t-butyl methyl ketone by acid catalyzed elimination of water from the starting material.
	A	Pinacol rearrangement
	B	Hoffmann rearrangement
	C	Wagner -Meerwein rearrangement
	D	Dakin reaction
	E	None of the above
	Correct Answer	A
	Marks	1

37	Question Description	Which of the following can undergo aldol condensation?
	A	Formaldehyde
	B	glyoxal
	C	Benzaldehyde
	D	Acetophenone
	E	None of the above
	Correct Answer	D
	Marks	1

38	Question Description	Of the following identify the one that is not a carbene.
	A	CH_2
	B	CCl_2
	C	CH_2Cl_2
	D	$\text{C(H) C}_6\text{H}_5$
	E	None of the above
	Correct Answer	C
	Marks	1

39	Question Description	Ozonolysis of 2-Methyl-2-butene and treatment with Dimethyl sulphate yields
	A	Acetone & formaldehyde
	B	Acetone and acetaldehyde
	C	Two molecules of formaldehyde
	D	Formaldehyde and acetic acid
	E	None of the above
	Correct Answer	B
	Marks	1

40	Question Description	The oxidation product of Thiamine hydrochloride with alkaline potassium ferricyanide exhibits blue fluorescence and is the basis for fluorimetric assay of thiamine. This oxidation product and a metabolite too of thiamine chemically is –
	A	3,7-dimethyl-4H-thiochromine-6-ethanol
	B	2,7-dimethyl-5H-thiachromine-8-ethanol
	C	3,7-dimethyl-5H-thiachromine-6-ethanol
	D	2,7-dimethyl-5H-thiachromine-6-ethanol
	E	None of the above
	Correct Answer	B
	Marks	1

41	Question Description	In the infrared spectrum, peaks due to thiol stretching vibrations are observed at around ____ cm^{-1} .
	A	2580
	B	2950
	C	3150
	D	3450
	E	None of the above
	Correct Answer	A
	Marks	1

42	Question Description	The carbon bearing the alcoholic group in 1-pentanol shows characteristic peak in its ^{13}C NMR spectrum at delta (\square)ppm?
	A	14.1
	B	28.5
	C	62.1
	D	84.3
	E	None of the above
	Correct Answer	C
	Marks	1

43	Question Description	The common name for the compound (25R)-Spirost-5-en-3 β -ol is___
	A	Digoxin
	B	Digitoxigenin
	C	Diosgenin
	D	Digitoxin
	E	None of the above
	Correct Answer	C
	Marks	1

44	Question Description	Addition of water to a carbonyl compound like an aldehyde or ketone results in a geminal diol(hydrate)e.g., acetaldehyde hydrolyzes to propane-2,2-diol is an example of
	A	Nucleophilic addition reaction
	B	Electrophilic addition reaction
	C	Free radical reaction
	D	Pericyclic reaction
	E	None of the above
	Correct Answer	A
	Marks	1

45	Question Description	Identify the correct statement for ephedrine in the following .
	A	Ephedrine has two chiral centres giving rise to four stereoisomers
	B	it is an alkaloid with a phenanthrene skeleton found in various plants in the genus Ephedra
	C	Ephedrine has three chiral centres giving rise to nine stereoisomers
	D	Ephedrine is used as a narcotic analgesic in addition to its decongestant effects.
	E	None of the above
	Correct Answer	A
	Marks	1

46	Question Description	Arrange the general pattern of a viral life cycle (1 to 5) to match the correct sequence from amongst the options given under- 1. Attachment to a host cell. 2. Release of viral genes and possibly enzymes into the host cell. 3. Replication of viral components using host-cell machinery. 4. Assembly of viral components into complete viral particles. 5. Release of viral particles to infect new host cells.
	A	1-3-2-4-5
	B	1-2-3-4-5
	C	1-3-2-5-4
	D	1-4-3-5-2
	E	None of the above
	Correct Answer	B
	Marks	1

47	Question Description	Number of chiral centres in alkaloid codeine is
	A	3
	B	4
	C	5
	D	6
	E	None of the above
	Correct Answer	C
	Marks	1

48	Question Description	For an aldehyde, the C-H stretching vibration peak at 2720 cm^{-1} is generally accompanied by another peak at 2800 cm^{-1} due to:
	A	Transient inductive effect
	B	Fermi resonance
	C	C-O str vibration
	D	C-H str vibration
	E	None of the above
	Correct Answer	B
	Marks	1

49	Question Description	When methoxy group present in alkaloids is treated with HI at 126°C form methyl iodide which can be treated further with silver nitrite to form silver iodide precipitate. This method of determination of methoxy groups is known as
	A	Emde's method
	B	Zeisel method
	C	Hoffman's method
	D	Von Brawn's method
	E	None of the above
	Correct Answer	B
	Marks	1

50

Question Description	In which of the following reactions, carbanion is not the reactive intermediate?
A	Favoroskii rearrangement
B	Wittig reaction
C	Beckmann rearrangement
D	Perkin reaction
E	None of the above
Correct Answer	C
Marks	1

51

Comprehension

Read the passage below and answer the following:

Direct taxes can be graded, not only by taking into account the size of a person's income, but also considering the use he makes of it and making suitable allowances. The proportion of taxable income may be reduced by allowances for expenses incurred on behalf of children of school age or dependent relatives or for money spent on insurance. Such a system of grading is not possible in case of indirect taxation. When you go to the cinema, the man who takes your money does not ask you how much you earn, calculate the tax incurred and charge you accordingly. So that indirect taxation is the same for all sectors of community, rich and poor alike. A drawback is that the burden of taxation on small incomes is increased, since the obvious things to tax are those for which there is a constant pronounced demand so as to make them almost necessities.

Question Description

The levels of direct tax are decided on the basis of

A

allowances for expenses on children, dependents and insurance

B

differing expenditure of the rich and poor

C

the size of a person's income

D

actual income, its use and appropriate allowances

E

None of the above

Correct Answer

D

Marks

1

Comprehension

Read the passage below and answer the following:

Direct taxes can be graded, not only by taking into account the size of a person's income, but also considering the use he makes of it and making suitable allowances. The proportion of taxable income may be reduced by allowances for expenses incurred on behalf of children of school age or dependent relatives or for money spent on insurance. Such a system of grading is not possible in case of indirect taxation. When you go to the cinema, the man who takes your money does not ask you how much you earn, calculate the tax incurred and charge you accordingly. So that indirect taxation is the same for all sectors of community, rich and poor alike. A drawback is that the burden of taxation on small incomes is increased, since the obvious things to tax are those for which there is a constant pronounced demand so as to make them almost necessities.

Question Description

Read the following statements and arrange them in the sequence of the points in the above passage:

(i) A shortcoming of indirect taxation is that it does not permit grading. (ii) This happens in case of direct taxes. (iii) In calculating the tax, the proportion of taxable income may be reduced by allowances for various permissible expenses incurred. (iv) This type of tax is same across the board.

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

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

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

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

E None of the above

Correct Answer A

Marks 1

Comprehension	<p>Read the passage below and answer the following:</p> <p>Direct taxes can be graded, not only by taking into account the size of a person's income, but also considering the use he makes of it and making suitable allowances. The proportion of taxable income may be reduced by allowances for expenses incurred on behalf of children of school age or dependent relatives or for money spent on insurance. Such a system of grading is not possible in case of indirect taxation. When you go to the cinema, the man who takes your money does not ask you how much you earn, calculate the tax incurred and charge you accordingly. So that indirect taxation is the same for all sectors of community, rich and poor alike. A drawback is that the burden of taxation on small incomes is increased, since the obvious things to tax are those for which there is a constant pronounced demand so as to make them almost necessities.</p>
Question Description	<p>Read the following statements and state whether they are true or false:</p> <p>(i) In case of indirect taxation obvious taxable things are most in demand and are necessarily consumed by all, including the small income groups.</p> <p>(ii) The direct outcome of this is that same tax gets charged from every level of taxpayer including those belonging to the small income groups.</p>
A	(i) is true; (ii) is false
B	both (i) and (ii) are true
C	(ii) is true; (i) is false
D	both (i) and (ii) are false
E	None of the above
Correct Answer	B
Marks	1

54 **Comprehension** Read the passage below and answer the following:

Direct taxes can be graded, not only by taking into account the size of a person's income, but also considering the use he makes of it and making suitable allowances. The proportion of taxable income may be reduced by allowances for expenses incurred on behalf of children of school age or dependent relatives or for money spent on insurance. Such a system of grading is not possible in case of indirect taxation. When you go to the cinema, the man who takes your money does not ask you how much you earn, calculate the tax incurred and charge you accordingly. So that indirect taxation is the same for all sectors of community, rich and poor alike. A drawback is that the burden of taxation on small incomes is increased, since the obvious things to tax are those for which there is a constant pronounced demand so as to make them almost necessities.

Question Description From the alternatives provided below, identify the one which best signifies "taking into account" or "consider" in the sense they are used in the passage

A be thoughtful

B pay scant attention

C think carefully about

D look without paying attention

E None of the above

Correct Answer C

Marks 1

55

Comprehension

Read the passage below and answer the following:

Direct taxes can be graded, not only by taking into account the size of a person's income, but also considering the use he makes of it and making suitable allowances. The proportion of taxable income may be reduced by allowances for expenses incurred on behalf of children of school age or dependent relatives or for money spent on insurance. Such a system of grading is not possible in case of indirect taxation. When you go to the cinema, the man who takes your money does not ask you how much you earn, calculate the tax incurred and charge you accordingly. So that indirect taxation is the same for all sectors of community, rich and poor alike. A drawback is that the burden of taxation on small incomes is increased, since the obvious things to tax are those for which there is a constant pronounced demand so as to make them almost necessities.

Question Description

Identify the word or phrase from following options that means 'pronounced', as used in the passage.

A

uttered in words

B

constantly uttered

C

obviously spoken

D

very noticeable

E

None of the above

Correct Answer

D

Marks

1

56	Question Description	Indian Women's Hockey Team won which position in the Asia Cup 2022?
	A	2 nd
	B	3 rd
	C	1 st
	D	4 th
	E	None of the above
	Correct Answer	B
	Marks	1

57	Question Description	The gas usually filled in the electric bulb is
	A	nitrogen
	B	hydrogen
	C	carbon dioxide
	D	oxygen
	E	None of the above
	Correct Answer	A
	Marks	1

58	Question Description	The Government of India has made it mandatory for the telecom companies to store international calls, satellite phone calls, conference calls and messages for a minimum period of how many years?
	A	2
	B	1
	C	3
	D	5
	E	None of the above
	Correct Answer	A
	Marks	1

59	Question Description	According to NITI Aayog's 1st National Multidimensional Poverty Index (MPI) 2021, which state has lowest poverty?
	A	Tamil Nadu
	B	Assam
	C	Gujarat
	D	Himachal Pradesh
	E	None of the above
	Correct Answer	E
	Marks	1

60

Question Description	National Organ Donation Day was recently observed on which date?
A	November 25
B	November 26
C	November 27
D	November 28
E	None of the above
Correct Answer	C
Marks	1

61

Question Description	Ashneer Grover is the co-founder of which among the following companies?
A	BharatPe
B	Paytm
C	PayPal
D	Global66
E	None of the above
Correct Answer	A
Marks	1

62	Question Description	Who among the following was crowned as 'Mrs World 2022'?
	A	Shaylyn Ford
	B	Kate Schneider
	C	DebanjaliKamstra
	D	Navneet Kaur
	E	None of the above
	Correct Answer	A
	Marks	1

63	Question Description	Who has been crowned the Formula One World Champion 2021?
	A	Lewis Hamilton
	B	C. Sainz Jr.
	C	Max Verstappen
	D	Fernando Alonso
	E	None of the above
	Correct Answer	C
	Marks	1

64	Question Description	Which state has announced the formation of 13 new districts recently?
	A	Uttar Pradesh
	B	Andhra Pradesh
	C	Rajasthan
	D	Telangana
	E	None of the above
	Correct Answer	B
	Marks	1

65	Question Description	Recently Tata Power Renewable Energy Limited (TPREL) has commissioned two Solar Power projects of 100 MW in which state?
	A	Gujarat
	B	Jharkhand
	C	Uttar Pradesh
	D	Andhra Pradesh
	E	None of the above
	Correct Answer	C
	Marks	1

66	Question Description	The age of Sitamma 10 years ago was thrice the age of Radha. 10 years hence, Sitamma's age will be twice that of Radha. What is the ratio of their present age?
	A	7:3
	B	3:1
	C	2:1
	D	1:5
	E	None of the above
	Correct Answer	A
	Marks	1

67	Question Description	Two trains are moving in the opposite direction and their speeds are in the ratio of 2 : 1. If the first train crosses a standing man in 5 sec and another train crosses the same man in 8 sec, then determine the time taken by trains to cross each other.
	A	6 sec
	B	3 sec
	C	5 sec
	D	9 sec
	E	None of the above
	Correct Answer	A
	Marks	1

68

Question Description

Study the following questions carefully and choose the right answer:

Statement: Postal rates have been increased to meet the deficit.

Assumptions:

- I. The present rates are very low.
- II. If the rates are not increased, the deficit cannot be met.

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 B

Marks 1

69

Question Description

Study the following questions carefully and choose the right answer:

Statement: A part from the entertainment value of television, its educational value cannot be ignored.

Assumptions:

- I. People take television to be a means of entertainment only.
- II. The educational value of television is not realised properly

A if only assumption I is implicit

B if only assumption II is implicit

C if either I or II is implicit

D if both I and II are implicit

E None of the above

Correct Answer D

Marks 1

70

Question Description

In each question below is given a statement followed by courses of action numbered I and II. You have to assume everything in the statement to be true, then decide which of the three given suggested courses of action logically follows for pursuing.

Statement: Due to substantial reduction in fares by different airline services, large number of passengers so far travelling by upper classes in trains have switched over to airline services.

Courses of action:

I. The railways should immediately reduce the fare structure of the upper classes substantially to retain its passengers.

II. The railways should reduce the capacity of upper classes in all the trains to avoid loss.

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 A

Marks 1

71

Question Description

Micky is brother in law of Akku, who has two daughters but no son. Rinku is cousin of Quki and brother of Riku. Vicky has two daughters and one son. Unni has only one son and one daughter. Micky is the only sibling of Wiku. Tinu and Sanu are daughters of Xoxo. Donu is also the member of this family. Riku is granddaughter of Akku, who is married to Wiku. Unni and Vicky are sons in law of Wiku.

How is Wiku related to Donu?

A Father

B Mother

C Grandfather

D Can't be determined

E None of the above

Correct Answer D

Marks 1

72

Question Description

Study the following numbers carefully and answer the questions given below:

5836 7469 8251 6293 4172

If the digits of all the numbers are to be arranged in ascending order within the number from right to left then the numbers thus formed are to be arranged in descending order from left to right then what would be the sum of second digit of third number from left end and third digit of fourth number from right end?

A

12

B

10

C

7

D

9

E

None of the above

Correct Answer

D

Marks

1

73

Question Description

Rani, Supriya and Amita work on a project. If each of them is of a different efficiency. Who is the fastest worker among them?
Statement I : Rani and Supriya take 5 days to complete the project while Supriya and Amita take 10 days to complete the same project.
Statement II : Rani and Amita take $30/7$ days to complete the project.

A

If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question

B

If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question

C

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

D

If the data in both statements I and II together are necessary to answer the question

E

None of the above

Correct Answer

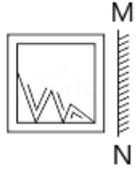
A

Marks

1

Question Description

Directions: A mirror is placed on the line MN, and then which of the Answer Figures is the right image of the given Question Figure

**A****B****C****D****E**

None of the above

Correct Answer

D

Marks

1

75

Question Description

In each question below is given a statement followed by courses of action numbered I and II. You have to assume everything in the statement to be true, then decide which of the three given suggested courses of action logically follows for pursuing.

Statement: It is necessary to adopt suitable measures to prevent repetition of bad debts by learning from the past experiences of mounting non-performing assets of banks.

Courses of action:

I. Before granting loan to customers their eligibility for loan should be evaluated strictly.

II. To ensure the payment of instalments of loan, the work, for which loan was granted, should be supervised minutely on regular basis.

A

Only I follows

B

Only II follows

C

Either I or II follows

D

Both I and II follow

E

None of the above

Correct Answer

D

Marks

1