

Andhra Pradesh State Council of Higher Education

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	Pharmacy 18th Oct 2022 Shift 2
Duration :	120
Total Marks :	140
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Research Methodology

Section Id :	549470370
Section Number :	1
Mandatory or Optional :	Mandatory
Number of Questions :	59
Section Marks :	70
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 1 Question Id : 54947026318 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The most expected immediate outcome of teaching is

Options :

1. ✓
Changes in the behaviour of students in desirable direction
2. ✘
Development of total personality of students
3. ✘
Building characters of the students

Getting selected for a suitable job

4. ✖

Question Number : 2 Question Id : 54947026319 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Good teaching is best reflected by

Options :

Attendance of students

1. ✖

Number of distinctions

2. ✖

Meaningful questions asked by students

3. ✔

Pin-drop silence in the class

4. ✖

Question Number : 3 Question Id : 54947026320 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Listening to a lecture is basically

Options :

Informational listening

1. ✘

Evaluative listening

2. ✔

Emphatic listening

3. ✘

Dynamic Listening

4. ✘

Question Number : 4 Question Id : 54947026321 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is not a characteristic of a slow learner?

Options :

Limited vocabulary

1. ✘

Short span of attention

2. ✘

Abstract thinking

3. ✓

Limited range of interests

4. ✘

Question Number : 5 Question Id : 54947026322 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Dynamic approach to teaching means

Options :

Teaching should be forceful and effective

1. ✘

Teachers should be energetic and dynamic

2. ✘

The topics of teaching should not be static, but dynamic

3. ✘

The students should be required to learn through activities

4. ✓

Question Number : 6 Question Id : 54947026323 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

For an efficient and durable learning, learner should have

Options :

Ability to learn only

1. ✘

Requisite level of motivation only

2. ✘

Opportunities to learn only

3. ✘

Desired level of ability and motivation

4. ✔

Question Number : 7 Question Id : 54947026324 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

National Literacy Mission was established in

Options :

1996

1. ✘

2. ✓
1988

3. ✘
1999

4. ✘
2000

Question Number : 8 Question Id : 54947026325 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Research can be conducted by a person who

Options :

1. ✘
Has studied research methodology

2. ✘
Holds a postgraduate degree

3. ✓
Possesses thinking and reasoning ability

Is a hard worker

4. ✘

Question Number : 9 Question Id : 54947026326 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following research specifically requires objectivity to discover facts and causes from the data gathered for the purpose?

Options :

Quantitative research

1. ✔

Fundamental research

2. ✘

Qualitative research

3. ✘

Action research

4. ✘

Question Number : 10 Question Id : 54947026327 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The classification of studies into exploratory, descriptive, analytical, or predictive research is based on

Options :

1. ✘ Logic of the research
2. ✘ Outcome of the research
3. ✘ Process of the research
4. ✔ Purpose of the research

Question Number : 11 Question Id : 54947026328 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which type of study will be preferred by a researcher to estimate the degree of relationship between the level of education and achievement motivation?

Options :

1. ✘ Naturalistic
2. ✘ Inventory
3. ✔ Correlational
4. ✘ Experimental

Question Number : 12 Question Id : 54947026329 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Good research ethics means

Options :

1. ✘ Not disclosing the holdings of shares or stocks in a company that sponsors your research
2. ✔ Assigning a particular research problem to one PhD or research student only

Discussing with your colleagues confidential data from a research paper that you are reviewing for an academic journal

3. ✘

Submitting the same research manuscript for publishing in more than one journal

4. ✘

Question Number : 13 Question Id : 54947026330 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A research paper

Options :

is a compilation of information on a topic

1. ✘

contains original research as deemed by the author

2. ✘

contains peer-reviewed original research or the evaluation of research conducted by others.

3. ✔

can be published in more than one journal.

4. ✘

Question Number : 14 Question Id : 54947026331 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Manipulation is always a part of

Options :

Historical research

1. ✘

Fundamental research

2. ✘

Descriptive research

3. ✘

Experimental research

4. ✔

Is Section Default? : null

Question Id : 54947026332 Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Question Numbers : (15 to 21)

Read the following passage carefully and answer the questions from 15 to 21:

Ecosystems provide people with a variety of goods and services, food, clean water, clean air, flood control, soil stabilization, pollination, climate regulation, spiritual fulfilment, and aesthetic enjoyment, to name just a few. Most of these benefits are either irreplaceable or the technology necessary to replace them is prohibitively expensive. For example, potable freshwater can be provided by desalinating sea water, but only at great cost.

The rapidly expanding human population has greatly modified the earth's ecosystem to meet their increased requirements of some of the goods and services, particularly food, freshwater, timber, fibre, and fuel. These modifications have contributed substantially to human well being and economic development. However, the benefits have not been equally distributed. Some people have actually been harmed by these changes. Moreover, short-term increases in some ecosystems' goods and services have come at the cost of long-term degradation of others. For example, efforts to increase the production of food and fibre have decreased the ability of some ecosystems to provide clean water, regulate flooding, and support biodiversity.

Sub questions

**Question Number : 15 Question Id : 54947026333 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Expanding human population has an adverse effect on

- (A) Spiritual fulfilment
- (B) Availability of potable freshwater
- (C) Employment
- (D) Biodiversity

Which of the statements given above are correct?

Options :

(A), (B), and (C)

1. ✘

(B), (C), and (D)

2. ✘

(B) and (D)

3. ✔

All of the above

4. ✘

Question Number : 16 Question Id : 54947026334 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The passage mentions that 'some people have actually been harmed by these changes'. It indicates towards

Options :

Inequitable distribution of benefit

1. ✘

Decrease in the ability of some ecosystems to provide clean water, regulate flooding, and support biodiversity

2. ✘

Both (1) and (2)

3. ✔

Neither (1) nor (2)

4. ✘

Question Number : 17 Question Id : 54947026335 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is correct in the context of the passage?

Options :

1. ✓ The rapid expansion of population has adversely affected some people

2. ✘ Sufficient efforts have not been made to increase the production of food and fibre

3. ✘ In short term, some people may be harmed, but in long term, everyone will benefit from modifications in earth's ecosystem

4. ✘ No answer

Question Number : 18 Question Id : 54947026336 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

With reference to the passage, consider the following statements:

(A) It is imperative to modify the earth's eco-system for the well-being of mankind

(B) Technology can never replace all the goods and services provided by ecosystems

Which of the statements given above is/are correct?

Options :

Only (A)

1. ✘

Only (B)

2. ✔

Both (A) and (B)

3. ✘

Neither (A) nor (B)

4. ✘

Question Number : 19 Question Id : 54947026337 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

According to the passage, which of the following can be taken as the main reason for modification of earth's ecosystem?

Options :

Technology

1. ✘

Increasing population

2. ✔

Lack of an integrated approach

3. ✘

No answer

4. ✘

Question Number : 20 Question Id : 54947026338 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following can be considered as the most suitable title for the passage?

Options :

Modification of our ecosystem

1. ✔

Our natural resources

2. ✘

Harmful effect of increase in human population

3. ✘

Human interference in our ecosystem

4. ✘

Question Number : 21 Question Id : 54947026339 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

With reference to the passage, consider the following statements:

(A) Technology driven ecosystems are alternate means of future needs

(B) Technology helps in improving ecosystems on short term basis but at the cost of long term eco-degradation

Which of the statements given above is/are correct?

Options :

Only (A)

1. ✘

Only (B)

2. ✘

Both (A) and (B)

3. ✔

Neither (A) nor (B)

4. ✘

Is Section Default? :

null

Question Number : 22 Question Id : 54947026340 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The essential components of communication are

Options :

1. ✓ Source, message, interference, channel, receiver, feedback, and context

2. ✘ Sign, source, destination, interaction, and correlation

3. ✘ Signs, symbols, understanding, communication, and communicant

4. ✘ Symbols, understanding, purpose, ideas, opinions, non-verbal, and reaction

Question Number : 23 Question Id : 54947026341 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Another term used for interpersonal communication is

Options :

1. ✘ Group communication

Face-to-face public communication

2. ✘

Dyadic communication

3. ✔

Traditional communication

4. ✘

Question Number : 24 Question Id : 54947026342 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Communication in the class fails because

Options :

The students are inattentive

1. ✘

The teacher is monotonous in delivering the message

2. ✔

The students have no interest in the lesson being taught

3. ✘

There is very much noise in and around the classroom

4. ✖

Question Number : 25 Question Id : 54947026343 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The ability to understand, communicate with, motivate, and support other people, both individually and in groups, define which of the following organizational skills?

Options :

Hard skills

1. ✖

Soft skills

2. ✔

Conceptual skills

3. ✖

Political skills

4. ✖

Question Number : 26 Question Id : 54947026344 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In India for broadcasting TV programmes which system is followed?

Options :

1. ✘ NTCS

2. ✔ PAL

3. ✘ NTSE

4. ✘ SECAM

Question Number : 27 Question Id : 54947026345 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the process of communication, which one of the following is in the chronological order?

Options :

1. ✘ Communication, medium, receiver, effect message

Medium, communicator, message, receiver, effect

2. ✘

Communicator, message, medium, receiver, effect

3. ✔

Message, communicator, medium, receiver, effect

4. ✘

**Question Number : 28 Question Id : 54947026346 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Communication between two or more people is called

Options :

Organizational communication

1. ✘

Interpersonal communication

2. ✔

Extrapersonal communication

3. ✘

Intrapersonal communication

4. ✘

Question Number : 29 Question Id : 54947026347 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

1, 8, 27, 64, 125, 216, ...

Options :

1. ✘ 256

2. ✔ 343

3. ✘ 365

4. ✘ 400

Question Number : 30 Question Id : 54947026348 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

ABD, CDF, ..., GHJ, IJL

Options :

1. ✓ EFH

2. ✘ IJL

3. ✘ HIJ

4. ✘ HIK

Question Number : 31 Question Id : 54947026349 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If 'SELDOM' is coded as '1 2 4 3 6 5', how will you code 'MODE'?

Options :

1. ✘ 3 6 2 1

2. ✘ 6 2 3 1

3. ✓ 5 6 3 2

6 2 1 3

4. ✖

Question Number : 32 Question Id : 54947026350 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

E is the son of A; D is the son of B, E is married to C, C is the daughter of B. How is D related to E?

Options :

Brother

1. ✖

Uncle

2. ✖

Father-in-law

3. ✖

Brother-in-law

4. ✔

Question Number : 33 Question Id : 54947026351 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Raman travels a distance of 5 km in south direction. He turns to his right. After walking 3 km, he turns to the left and walks 5 km. Now in which direction is he from the starting place?

Options :

1. ✘ West
2. ✘ South
3. ✔ South-west
4. ✘ North-east

Question Number : 34 Question Id : 54947026352 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

P, Q, R, S, and T are sitting in a straight line facing north. P sits next to S but not to T. Q is sitting next to R, who sits on the extreme left corner. T does not sit next to Q. Who sits to the left of S?

Options :

1. ✓ P

2. ✘ Q

3. ✘ R

4. ✘ S

Question Number : 35 Question Id : 54947026353 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The year next to 1991 will have the same calendar as that of the year 1991.

Options :

1. ✘ 1992

2. ✘ 1995

3. ✘ 1996

1997

4. ✓

**Question Number : 36 Question Id : 54947026354 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

A disjunctive proposition is a type of

Options :

Conditional proposition

1. ✓

Unconditional proposition

2. ✘

Categorical proposition

3. ✘

Imperative proposition

4. ✘

**Question Number : 37 Question Id : 54947026355 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

‘Honesty is the best policy’ because

Options :

1. ✘
God rewards those who follow this maxim
2. ✘
It leads to recognition in the society
3. ✔
It facilitates cohesiveness in society
4. ✘
It leads to material prosperity and spiritual awakening

**Question Number : 38 Question Id : 54947026356 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Given below are two statements followed by four conclusions numbered I, II, III, and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follow from the given statements.

Statements:

Some tables are TVs.

Some TVs are radios.

Conclusions:

I. Some tables are radios.

II. Some radios are tables.

III. All radios are TVs.

IV. All TVs are tables.

Options :

Only I and III follow

1. ✘

Only II and IV follow

2. ✘

3. ✘ All follow

4. ✔ None follows

**Question Number : 39 Question Id : 54947026357 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Given below are two statements followed by four conclusions numbered I, II, III, and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follow from the given statements.

Statements:

All branches are flowers

All flowers are trees.

Conclusions:

I. All branches are trees.

II. All trees are branches.

III. All flowers are branches.

IV. Some trees are branches.

Options :

Only I and IV follow

1. ✓

Only II and III follow

2. ✘

All follow

3. ✖

None follows

4. ✖

Question Number : 40 Question Id : 54947026358 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following are voluntary provisions in the 73rd Constitutional Amendment Act (1992)?

- I. Minimum age of 21 for contesting elections to Panchayats
- II. Indirect elections to the post of Chairperson Panchayats at the intermediate and district levels.
- III. Representation of Members of Parliament and State Legislature on Panchayati Raj institutions
- IV. Reservation of seats for backward classes.

Select the correct answer from the code given below.

Options :

I, II, and IV

1. ✖

II, III, and IV

2. ✘

I, II, and III

3. ✘

III and IV

4. ✔

Question Number : 41 Question Id : 54947026359 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the statement 'some men are honest' is false, which among the following statements will be true? Choose the correct code given below.

(i) All men are honest.

(ii) No men are honest.

(iii) Some men are not honest.

(iv) All men are dishonest.

Options :

(i), (ii) and (iii)

1. ✔

(ii), (iii) and (iv)

2. ✖

(i), (iii) and (iv)

3. ✖

(ii), (i) and (iv)

4. ✖

Question Number : 42 Question Id : 54947026360 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Given below are two premises.

Premises:

(i) All saints are religious. (major)

(ii) Some honest persons are saints. (minor)

Four conclusions are drawn from those two premises in four codes. Select the code that states the conclusion validly drawn.

Options :

All saints are honest.

1. ✖

Some saints are honest.

2. ✖

Some honest persons are religious.

3. ✔

All religious persons are honest.

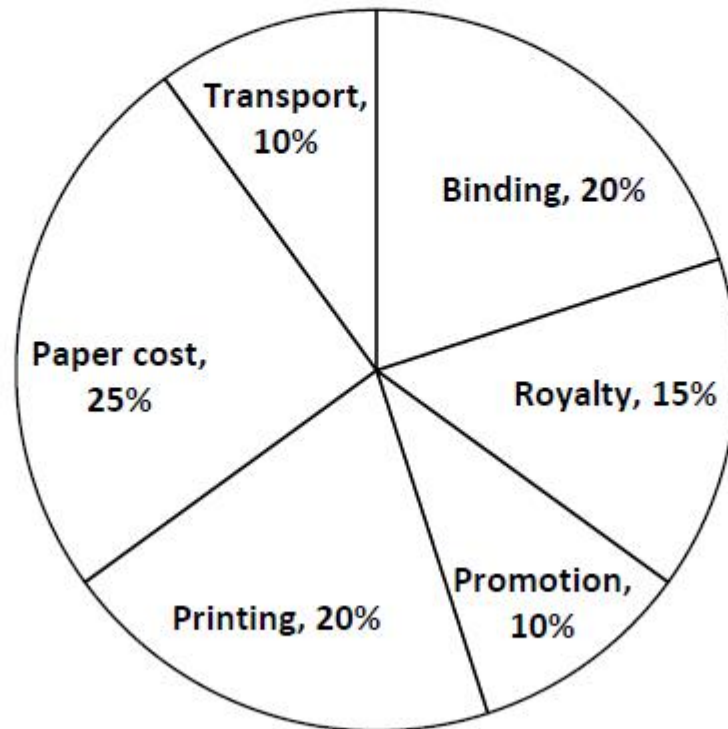
4. ✖

Is Section Default? : null

Question Id : 54947026361 Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Question Numbers : (43 to 45)

Note:

Study the pie chart given below and answer questions 43, 44 and 45. It gives the breakup of expenses incurred in publishing a book.



Sub questions

Question Number : 43 Question Id : 54947026362 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the cost price of the book is Rs.150, then what is the combined printing and binding cost for a single copy of the book?

Options :

1. ✓ 60
2. ✘ 75
3. ✘ 80
4. ✘ 85

Question Number : 44 Question Id : 54947026363 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the central angle of the sector corresponding to the expenditure incurred on royalty?

Options :

1. ✘ 48°

2. ✓ 54°

3. ✘ 60°

4. ✘ 72°

Question Number : 45 Question Id : 54947026364 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the difference between promotion and printing cost in rupees if we assume that total cost is Rs.200

Options :

1. ✘ 10

2. ✓ 20

3. ✘ 30

4. ✘ 40

Is Section Default? :

null

Question Id : 54947026365 Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Question Numbers : (46 to 49)

Note:

Study the following table carefully and answer questions 46–49. It consists of data on the number of candidates who appeared from five schools in the board exams over 2004–2008.

Year	Schools				
	A	B	C	D	E
2004	650	760	820	800	780
2005	700	740	860	780	740
2006	800	820	940	750	730
2007	750	880	920	840	790
2008	850	840	900	860	770

Sub questions

Question Number : 46 Question Id : 54947026366 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the average number of students who appeared from School B for all the years?

Options :

1. ✘ 676

2. ✘ 787

3. ✔ 808

4. ✘ 818

Question Number : 47 Question Id : 54947026367 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The number of students who appeared in 2006 from School A is what percent of the total number of students who appeared from School A for all the years together?

Options :

1. ✘ 25.25

2. ✔ 21.33

3. ✖ 22.45

4. ✖ 23.45

Question Number : 48 Question Id : 54947026368 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the ratio between the total numbers of students who appeared in 2004 and 2005 from Schools C and D, respectively?

Options :

1. ✔ 84 : 79

2. ✖ 79 : 84

3. ✖ 84 : 89

4. ✖ 89 : 84

Question Number : 49 Question Id : 54947026369 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the average number of students who appeared from the given schools in 2007?

Options :

825

1. ✘

836

2. ✔

845

3. ✘

863

4. ✘

Is Section Default? : null

Question Number : 50 Question Id : 54947026370 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The concept of connect intelligence is derived from

Options :

Virtual reality

1. ✘

Fuzzy logic

2. ✘

Bluetooth technology

3. ✘

Value-added networks

4. ✔

Question Number : 51 Question Id : 54947026371 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Programs designed to perform specific tasks are known as

Options :

System software

1. ✘

Application software

2. ✔

Utility programs

3. ✘

Operating system

4. ✘

Question Number : 52 Question Id : 54947026372 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is not a network device?

Options :

1. ✘ Router

2. ✘ Switch

3. ✘ Hub

4. ✔ CPU

Question Number : 53 Question Id : 54947026373 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following is a search engine?

Options :

Macromedia Flash

1. ✘

Google

2. ✔

Netscape

3. ✘

Librarians' Index to the Internet

4. ✘

**Question Number : 54 Question Id : 54947026374 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

FTP stands for

Options :

Full Text Processing

1. ✘

File Transfer Program

2. ✘

File Transfer Process

3. ✘

File Transfer Protocol

4. ✔

Question Number : 55 Question Id : 54947026375 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Wired Ethernet is basically

Options :

ADSL

1. ✘

ISDN

2. ✔

Broadband

3. ✘

The Internet

4. ✘

Question Number : 56 Question Id : 54947026376 Display Question Number : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Eklavya Technology channel, started in 2003, is a distant-learning joint initiative between

Options :

1. ✓ IIT and IGNOU
2. ✘ IIIT and IGNOU
3. ✘ UGC and AICTE
4. ✘ IIT and AICTE

**Question Number : 57 Question Id : 54947026377 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Which of the following gas affects human health by reducing blood's ability to carry oxygen to different parts of the body?

Options :

1. ✓ Carbon monoxide

2. ✘ Sulphur dioxide

3. ✘ Carbon dioxide

4. ✘ Nitrous dioxide

Question Number : 58 Question Id : 54947026378 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Acid rain is formed by the

Options :

1. ✓ Combination of chemical air pollutants with atmospheric water droplets

2. ✘ Mixing of acid with rain

Release of industrial pollutants in the atmosphere

3. ✘

4. ✘ No answer

Question Number : 59 Question Id : 54947026379 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Best extinguisher for inflammable materials is

Options :

1. ✘ Water

2. ✘ SO₂

3. ✔ CO₂

4. ✘ CO

Question Number : 60 Question Id : 54947026380 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Nuclear fusion reactions happens spontaneously in

Options :

The core of the earth

1. ✘

The commercial nuclear reactor

2. ✘

The atmosphere of the sun

3. ✔

The eruption of a volcano

4. ✘

Question Number : 61 Question Id : 54947026381 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The tallest trees in the world are found in the

Options :

Equatorial region

1. ✔

Temperate region

2. ✖

Monsoon region

3. ✖

Mediterranean region

4. ✖

**Question Number : 62 Question Id : 54947026382 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Which of the following element is used in the making of solar cells?

Options :

Platinum

1. ✖

Carbon

2. ✖

Silicon

3. ✔

Silver

4. ✘

**Question Number : 63 Question Id : 54947026383 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Organic food is supposed to be better for human health as

Options :

It is raised on special chemicals

1. ✘

It is more expensive

2. ✘

It is grown without the use of artificial fertilizers and pesticides

3. ✔

No answer

4. ✘

**Question Number : 64 Question Id : 54947026384 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The Ministry of Human Resource Development was created in the year

Options :

1. ✘ 1972

2. ✘ 1980

3. ✔ 1985

4. ✘ 1991

Question Number : 65 Question Id : 54947026385 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following agency or institution proposed introduction of India Education Index (IEI) for ranking institutes based on academic, research, performance, and other parameters?

Options :

1. ✘ AICTE

2. ✔ NAAC

3. ✖ UGC

4. ✖ IIT-Delhi

**Question Number : 66 Question Id : 54947026386 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

India, that is Bharat, shall be a union of states. The states and the territories, thereof, shall be as specified in the

Options :

1. ✔ First Schedule

2. ✖ Second Schedule

3. ✖ Third Schedule

4. ✖ No answer

Question Number : 67 Question Id : 54947026387 Display Question Number : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How do Directive Principles of State Policy differ from Fundamental Rights?

Options :

The former are meant for UTs, whereas the latter are for states.

1. ✘

The former are not enforceable, whereas the latter are enforceable.

2. ✔

The former are not a part of the constitution, whereas the latter are the part of the constitution.

3. ✘

4. ✘ No answer

**Question Number : 68 Question Id : 54947026388 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The maximum strength of Lok Sabha and Rajya Sabha, respectively, is

Options :

552 and 250

1. ✘

537 and 275

2. ✖

525 and 238

3. ✖

545 and 250

4. ✔

Question Number : 69 Question Id : 54947026389 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which subject was transferred from state list to Concurrent List by the 42nd amendment of the constitution?

Options :

Agriculture

1. ✖

Education

2. ✔

Irrigation

3. ✖

Local self-government

4. ✖

Question Number : 70 Question Id : 54947026390 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who is the highest Law Officer of a state?

Options :

Attorney General

1. ✖

Advocate General

2. ✔

Solicitor General

3. ✖

Secretary General

4. ✖

Pharmacy

Section Id :	549470371
Section Number :	2
Mandatory or Optional :	Mandatory

Number of Questions :	70
Section Marks :	70
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 71 Question Id : 54947026391 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The factors in following equation can be altered to reduce the rate of creaming in an emulsion

Options :

Poiseuille's equation

1. ✘

Stoke's equation

2. ✔

Nernst equation

3. ✘

Newton's equation

4. ✘

Question Number : 72 Question Id : 54947026392 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following sentences is true for Crystalline form of a drug?

Options :

It has High solubility

1. ✘

It has High thermodynamic energy

2. ✘

It has Regular molecular arrangement

3. ✔

It has low Melting point

4. ✘

Question Number : 73 Question Id : 54947026393 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The decomposition of ethane (C_2H_6) to methyl radicals (CH_3) is a first order reaction. The first rate constant is $5.36 \times 10^{-4} \text{ seconds}^{-1}$ at 700°C . What is the half life in minutes?

Options :

20.5 min

1. ✘

2. ✘ 23 min

3. ✔ 21.5 min

4. ✘ 22 min

Question Number : 74 Question Id : 54947026394 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The culture showed purple coloured rod shaped cells under microscope after Gram staining. Which probable chemical component in the organism is responsible for this?

Options :

1. ✘ Peptidoglycon and lipopolysaccharides

2. ✔ Peptidoglycon and teichoic acid

3. ✘ Peptidoglycon only

4. ✘ Lipopolysaccharides only

**Question Number : 75 Question Id : 54947026395 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The material used to construct dip tube in aerosols is _____.

Options :

1. ✘ Stainless Steel SS 316
2. ✘ Aluminum
3. ✔ Polypropylene
4. ✘ Steel Alloy

**Question Number : 76 Question Id : 54947026396 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

For ophthalmic use, Boric acid solution should be

Options :

1. ✘ Diluted with equal volume of distilled water
2. ✘ Diluted with equal volume of isotonic saline solution

3. ✘ Diluted with equal volume of sterile isotonic saline solution

4. ✔ Diluted with equal volume of sterile distilled water

Question Number : 77 Question Id : 54947026397 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

BRIJ[®] surfactants are classified as _____.

Options :

1. ✘ Anionic

2. ✘ Cationic

3. ✔ Nonionic

4. ✘ Amphoteric

Question Number : 78 Question Id : 54947026398 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Vaccination is an example of _____ acquired _____ immunity.

Options :

1. ✘ Naturally, active
2. ✘ Naturally, passive
3. ✔ Artificially, active,
4. ✘ Artificially, passive

Question Number : 79 Question Id : 54947026399 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The role of sub coating in the tablet coating is to _____.

Options :

1. ✘ avoid the sticking
2. ✘ to increase the bulk or weight of tablet

to increase the adhesive of syruping

3. ✓

to protect from GI pH

4. ✘

Question Number : 80 Question Id : 54947026400 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Government opium factory is situated at

Options :

Kolkata

1. ✘

Izatnagar

2. ✘

Meerut

3. ✘

Ghazinagar

4. ✓

Question Number : 81 Question Id : 54947026401 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ is used as super disintegrant in tablet formulation.

Options :

1. ✘ Aerosil

2. ✘ Microcrystalline Cellulose

3. ✔ Primellose

4. ✘ Avicel

Question Number : 82 Question Id : 54947026402 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The minimum amount of drug that must be excreted unchanged in urine is _____% for using urinary data for pharmacokinetic analysis.

Options :

1. ✘ 0%

2. ✘ 1%

3. ✘ 5%

4. ✔ 10%

Question Number : 83 Question Id : 54947026403 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The total number of ex-officio members in the Drugs Technical Advisory Board are

Options :

1. ✔ 8

2. ✘ 7

3. ✘ 6

4. ✘ 5

Question Number : 84 Question Id : 54947026404 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The gel strength of gelatin should be in the range of _____ bloom for soft gelatin capsules preparation.

Options :

1. ✘ 1.5-8
2. ✘ 12-80
3. ✔ 150-200
4. ✘ 1500-2000

Question Number : 85 Question Id : 54947026405 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following equations is related to air permeability method for determination of surface area of particles?

Options :

1. ✔ Kozeny-Carman

2. ✘ BET

3. ✘ Kelvin

4. ✘ Stoke's

Question Number : 86 Question Id : 54947026406 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Although sodium bicarbonate is a potent antacid its repeated use is restricted as it causes _____.

Options :

1. ✔ systemic alkalosis

2. ✘ rebound acidity

3. ✘ achlorhydria

4. ✘ peptic ulcer

Question Number : 87 Question Id : 54947026407 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Transition metals and their complexes act as good catalysts due to _____.

Options :

1. ✓ formation of variable oxidation states
2. ✘ their less solubility in solvents
3. ✘ formation of stable intermediate
4. ✘ solubility in water

Question Number : 88 Question Id : 54947026408 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following statements is not true with respect to oral rehydration formulations?

Options :

It is a dry mixture of sodium chloride, potassium chloride, sodium bicarbonate/sodium citrate and dextrose

1. ✘

Flavouring agents are permitted by pharmacopoeias

2. ✘

Sweetening agents are permitted by B.P. and U.S.P. but not by I.P.

3. ✔

Sweetening agents are permitted only by I.P. but not by B.P. and U.S.P.

4. ✘

Question Number : 89 Question Id : 54947026409 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following is Rochelle salt?

Options :

Magnesium tri phosphate

1. ✘

Disodium hydrogen phosphate

2. ✘

3. ✓ Sodium potassium tartrate

4. ✘ Magnesium sulphate

Question Number : 90 Question Id : 54947026410 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The standard Gibb's free energy ΔG° for a reaction is positive then ____.

Options :

1. ✓ the reactants will be favored

2. ✘ the products will be favored

3. ✘ the concentration of reactants and products will be equal

4. ✘ all of the reactant will be converted to product

Question Number : 91 Question Id : 54947026411 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Identify the co-factors required for drug metabolizing enzymes.

Options :

Reduced nicotinamide-adenine dinucleotide (NADH) and oxygen

1. ✘

NADPH and hydrogen peroxide

2. ✘

NADH and hydrogen peroxide

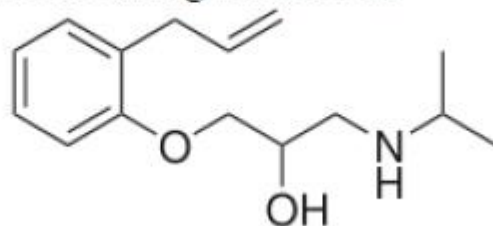
3. ✘

Reduced nicotinamide-adenine dinucleotide phosphate (NADPH) and oxygen

4. ✔

Question Number : 92 Question Id : 54947026412 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Give the correct name for the following structure:



Options :

1. ✘ Practolol
2. ✔ Alprenolol
3. ✘ Oxprenolol
4. ✘ Metoprolol

Question Number : 93 Question Id : 54947026413 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Cardiac glycosides with a six membered lactone ring on steroid nucleus (at 17-position) is classified as _____.

Options :

1. ✘ Cardinolides
2. ✔ Befadienolides

Strophanthenosides

3. ✖

Lanatosides

4. ✖

Question Number : 94 Question Id : 54947026414 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many stereoisomers are possible for $(\text{CH}_3)_2\text{CHCH} = \text{CHCH}_2\text{CH}(\text{OH})\text{CH}_2\text{Br}$?

Options :

2

1. ✖

3

2. ✖

4

3. ✔

5

4. ✖

Question Number : 95 Question Id : 54947026415 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is a coenzyme or cofactor?

Options :

1. ✘ Pyruvate kinase
2. ✘ Hexokinase
3. ✔ NAD⁺
4. ✘ Citrate synthase

Question Number : 96 Question Id : 54947026416 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which drug synthesis involves reaction of 1-naphthol with epichlorohydrin and subsequent reaction with *iso*-propyl amine?

Options :

1. ✘ Naphtholol
2. ✘ Atenolol

Propranolol

3. ✓

Sotelol

4. ✘

Question Number : 97 Question Id : 54947026417 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following reaction requires very low temp?

Options :

Arndt ester synthesis

1. ✘

Vilsmeier Haack reaction

2. ✘

Swern oxidation

3. ✓

Vanderveer partial oxidation

4. ✘

Question Number : 98 Question Id : 54947026418 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following amino acid is the precursor for the synthesis of thyroid hormones?

Options :

1. ✘ Tryptophan
2. ✔ Tyrosine
3. ✘ Alanine
4. ✘ Proline

Question Number : 99 Question Id : 54947026419 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The common structural feature amongst the three categories of anticonvulsant drugs barbiturates, succinimides and hydantoins is _____.

Options :

1. ✔ ureide
2. ✘ imidazolidinone

3. ✖ dihydropyrimidine

4. ✖ tetrahydropyrimidine

Question Number : 100 Question Id : 54947026420 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following are NOT the components of RNA?

Options :

1. ✔ Thymine

2. ✖ Adenine

3. ✖ Guanine

4. ✖ Cytosine

Question Number : 101 Question Id : 54947026421 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many mL of a 1:500 w/v stock solution should be diluted to make 5 liters of 1:2000 w/v solution?

Options :

1. ✘ 750 mL
2. ✘ 1000 mL
3. ✔ 1250 mL
4. ✘ 1500 mL

Question Number : 102 Question Id : 54947026422 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A masking agent used to mask the nickel in complexometric titration is _____.

Options :

1. ✘ triethanolamine
2. ✔ ascorbic acid

ammonium fluoride

3. ✘

potassium cyanide

4. ✘

**Question Number : 103 Question Id : 54947026423 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Maximum current produced in Polarography is _____ current.

Options :

migration

1. ✘

diffusion

2. ✔

limiting

3. ✘

kinetic

4. ✘

**Question Number : 104 Question Id : 54947026424 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

What is the reason for using cyclohexane as a solvent in UV spectrophotometric analysis?

Options :

1. ✘ It has ring structure
2. ✔ Energy requirement for $\sigma - \sigma^*$ is in the range of 120-200 nm
3. ✘ It is volatile
4. ✘ It is immiscible with water

Question Number : 105 Question Id : 54947026425 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What will be the wave number of a radiation having wavelength of 5 micron?

Options :

1. ✘ 1000 cm^{-1}
2. ✔ 2000 cm^{-1}

3000 cm^{-1}

3. ✘

4000 cm^{-1}

4. ✘

Question Number : 106 Question Id : 54947026426 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The presence of equal intensity of M and M^{+2} isotopic peaks in the mass spectrum of the organic compound indicate the presence of _____.

Options :

Oxygen

1. ✘

Chlorine

2. ✘

Bromine

3. ✔

Sulphur

4. ✘

Question Number : 107 Question Id : 54947026427 Display Question Number : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

IR Spectra appear as dips in the curve rather than maxima as in UV-Visible spectra because it is a plot of

Options :

% Absorbance against Wave number

1. ✘

% Transmittance against Concentration

2. ✘

% Absorbance against Concentration

3. ✘

% Transmittance against Wave number

4. ✔

Question Number : 108 Question Id : 54947026428 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Technique used for detection of glass transition temperature is _____.

Options :

X-Ray diffractometry

1. ✘

Solution calorimeter

2. ✘

Thermogravimetric analysis

3. ✘

Differential scanning calorimeter

4. ✔

Question Number : 109 Question Id : 54947026429 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many signals are produced by $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-CO-CH}_2\text{-CH}_3$ in NMR spectroscopy?

Options :

5

1. ✘

4

2. ✘

3

3. ✘

2

4. ✔

Question Number : 110 Question Id : 54947026430 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

System suitability test comes under _____.

Options :

1. ✘ Design Qualification (DQ)
2. ✘ Installation Qualification (IQ)
3. ✘ Operational Qualification (OQ)
4. ✔ Performance Qualification (PQ)

Question Number : 111 Question Id : 54947026431 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ muscarinic receptors are associated with the release of EDRF.

Options :

1. ✘ M₁

2. ✘ M₂

3. ✔ M₃

4. ✘ M₄

Question Number : 112 Question Id : 54947026432 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the diagnostic biochemical marker for renal failure condition?

Options :

1. ✘ Troponin levels

2. ✘ SGOP and SGPT levels

3. ✔ Serum creatinine levels

4. ✘ Bilirubin levels

Question Number : 113 Question Id : 54947026433 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The causative organism for bubonic plague is _____.

Options :

1. ✓ Yersinia pestis
2. ✘ Klebsiella pneumoniae
3. ✘ Treponema pallidum
4. ✘ Monilla albicans

Question Number : 114 Question Id : 54947026434 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following drugs is used to treat the severe neutropenia developed due to cancer chemotherapy?

Options :

1. ✘ Erythropoietin

2. ✘ Folic acid

3. ✔ Filgrastim

4. ✘ Warfarin

Question Number : 115 Question Id : 54947026435 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following antihypertensive drugs should not be used in a patient on Lithium in order to prevent Lithium toxicity?

Options :

1. ✘ Clonidine

2. ✘ Beta blockers

3. ✘ Calcium Channel Blockers

4. ✔ Diuretics

Question Number : 116 Question Id : 54947026436 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How therapeutic index is calculated?

Options :

1. ✘ ED50/LD50
2. ✘ ED99/LD1
3. ✔ LD50/ED50
4. ✘ LD1/ED99

Question Number : 117 Question Id : 54947026437 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ is the mechanism involved in drug interaction between
Doxycycline and iron?

Options :

1. ✘ Competitive antagonism

2. ✘ Synergism

3. ✔ Chelation

4. ✘ CYP450 inhibition

Question Number : 118 Question Id : 54947026438 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Sulphonyl ureas promote insulin secretion by _____ channels.

Options :

1. ✔ Blocking ATP sensitive potassium channels

2. ✘ Activating ATP sensitive potassium channels

3. ✘ Blocking ATP sensitive sodium channels

4. ✘ Activating ATP sensitive sodium channels

Question Number : 119 Question Id : 54947026439 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following is false substrate?

Options :

1. ✘ Neostigmine
2. ✘ Aspirin
3. ✔ Fluorouracil
4. ✘ Dopamine

Question Number : 120 Question Id : 54947026440 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Macrolide antibiotic that acts as an immunosuppressant was _____.

Options :

1. ✔ Rapamycin
2. ✘ Erythromycin

3. ✘ Streptomycin

4. ✘ Azithromycin

Question Number : 121 Question Id : 54947026441 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following drug mainly produces renal toxicity?

Options :

1. ✔ Amphotericin B

2. ✘ Losartan

3. ✘ Rosiglitazone

4. ✘ Metformin

Question Number : 122 Question Id : 54947026442 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Geriatric population should be included in which phase of clinical trials?

Options :

1. ✘ Phase I
2. ✘ Phase II
3. ✔ Phase III
4. ✘ Phase IV

Question Number : 123 Question Id : 54947026443 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Select the correct statement about ACE inhibitors

Options :

1. ✘ ACE inhibitors are contraindicated in CCF
2. ✘ ACE inhibitors can be used in bilateral renal artery stenosis

ACE inhibitors cause rebound hypertension on drug withdrawal

3. ✘

ACE inhibitors when combined with potassium sparing diuretics they can cause hyperkalaemia

4. ✔

Question Number : 124 Question Id : 54947026444 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

MESNA is used to relieve side effect of _____.

Options :

1. ✔ Cyclophosphamide

2. ✘ Metronidazole

3. ✘ Hydroxyurea

4. ✘ Foscarnet

Question Number : 125 Question Id : 54947026445 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following penicillins is acid as well as penicillinase resistant?

Options :

1. ✓ Cloxacillin
2. ✘ Penicillin V
3. ✘ Methicillin
4. ✘ Ampicillin

Question Number : 126 Question Id : 54947026446 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Calcium oxalate crystals and starch grains are absent in _____.

Options :

1. ✘ Fennel
2. ✘ Vinca

3. ✓ Nuxvomica

4. ✘ Rauwolfia

Question Number : 127 Question Id : 54947026447 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following reagents react with Hyoscine to produce yellowish white precipitates?

Options :

1. ✘ Mercurous sulphate

2. ✘ Mercurous nitrate

3. ✘ Silver sulphate

4. ✓ Silver nitrate

Question Number : 128 Question Id : 54947026448 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Ginseng saponins are of the _____ series

Options :

1. ✖ lupine
2. ✖ ursane
3. ✖ abietane
4. ✔ dammarane

Question Number : 129 Question Id : 54947026449 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Organism used for biosynthesis of amylase is _____.

Options :

1. ✖ Aspergillus niger
2. ✔ Leuconostocmesenteroids

Streptococcus pyrogen

3. ✘

Bacillus subtilis

4. ✘

**Question Number : 130 Question Id : 54947026450 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Jesuit's bark is used in the treatment of _____.

Options :

malaria

1. ✔

hypertension

2. ✘

depression

3. ✘

stimulants

4. ✘

**Question Number : 131 Question Id : 54947026451 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Arista is a _____.

Options :

1. ✓ fermented decoction
2. ✗ fermented infusion
3. ✗ herbal mineral medicine
4. ✗ decoction

Question Number : 132 Question Id : 54947026452 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following phytoconstituent is the precursor for the synthesis of steroidal drugs?

Options :

1. ✗ Caffeine
2. ✓ Diosgenin

3. ✘ Digitoxin

4. ✘ Cinchonine

Question Number : 133 Question Id : 54947026453 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Ranunculaceous stomata are found in _____.

Options :

1. ✘ Belladonna

2. ✔ Digitalis

3. ✘ Senna

4. ✘ Vasaka

Question Number : 134 Question Id : 54947026454 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Steroids are biosynthesized from _____.

Options :

1. ✘ Phenylalanine
2. ✘ Ornithine
3. ✔ Acetate units
4. ✘ Piperidine

Question Number : 135 Question Id : 54947026455 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Morphine content in Opium is

Options :

1. ✘ Less than 0.5%
2. ✘ 1-5%

3. ✖ 5-10%

4. ✔ 10-15%

Question Number : 136 Question Id : 54947026456 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ is a phenanthrene alkaloid.

Options :

1. ✖ Narcotine

2. ✖ Papaverine

3. ✔ Morphine

4. ✖ Noscapine

Question Number : 137 Question Id : 54947026457 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ herb is used as diuretic.

Options :

1. ✓ Gokharu

2. ✘ Isapgol

3. ✘ Turmeric

4. ✘ Digitalis

Question Number : 138 Question Id : 54947026458 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the biological source of antibiotic drug Kalmegh?

Options :

1. ✘ *Gymnema sylvestre*

2. ✓ *Andrographis paniculata*

3. ✘ *Swertia chirata*

Cantharis vasicatoria

4. ✖

Question Number : 139 Question Id : 54947026459 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The roots of following drugs are effective, EXCEPT:

Options :

Rauwolfia

1. ✖

Ipecacuanha

2. ✖

Turmeric

3. ✖

Aconite

4. ✔

Question Number : 140 Question Id : 54947026460 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following chemical constitution is NOT present in Terminalia arjuna?

Options :

1. ✘ Arjunolic acid

2. ✘ Arjunolone

3. ✘ Ellagic acid

4. ✔ Steroic acid