

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 :	Zoology 19th 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 :	549470423
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 : 54947030112 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The most desirable skill of teacher is to

Options :

1. make the students understand what the teacher says
2. cover the prescribed course
3. keep students relaxed while teaching
4. keep higher authorities informed about the class activities

Question Number : 2 Question Id : 54947030113 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 orders are the three levels of teaching?

- (i) Memory level of teaching
- (ii) Understanding level of teaching
- (iii) Reflective level of teaching
- (iv) Pedagogical level of teaching

Options :

1. ✓ (i), (ii), and (iii)
2. ✘ (ii), (iii), and (iv)
3. ✘ (i), (iii), and (iv)
4. ✘ (i), (ii), and (iv)

Question Number : 3 Question Id : 54947030114 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The best way a teacher can try to inculcate good values among students is

Options :

1. ✘ teaching by way of storytelling
2. ✘ by developing sense of discipline
3. ✔ ideal behaviour of teacher themselves
4. ✘ to take their parents into confidence

Question Number : 4 Question Id : 54947030115 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Morphographs is the term associated with

Options :

1. ✔ Corrective spelling

2. ✖ Corrective teaching

3. ✖ Corrective learning

4. ✖ Corrective behaviour

Question Number : 5 Question Id : 54947030116 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If you get an opportunity to teach a visually challenged student along with normal students, what type of treatment would you like to give him in the class?

Options :

1. ✖ Not giving extra attention because majority may suffer

2. ✖ Take care of him sympathetically in the classroom

3. ✖ You will think that blindness is his destiny and hence you cannot do anything

Arrange a seat in the front row and try to teach at a pace convenient to him

4. ✓

Question Number : 6 Question Id : 54947030117 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

For a teacher, which of the following methods would be correct for writing on the blackboard?

Options :

Writing fast and as clearly as possible

1. ✘

Writing the matter first and then asking students to read it

2. ✘

Asking a question to students and then writing the answer as stated by them

3. ✘

Writing the important points as clearly as possible

4. ✓

Question Number : 7 Question Id : 54947030118 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who developed the interaction analysis category system in education for increasing the teacher's effectiveness

Options :

1. ✓ Flander
2. ✘ Rayon
3. ✘ Amidon and Simon
4. ✘ Richard Over

Question Number : 8 Question Id : 54947030119 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What do you consider as the main aim of interdisciplinary research?

Options :

1. ✓ To bring out holistic approach to research
2. ✘ To reduce the emphasis of single subject in research domain

3. ✘ To oversimplify the problem of research

4. ✘ To create a new trend in research methodology

Question Number : 9 Question Id : 54947030120 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The research which is exploring new facts through the study of the past is called

Options :

1. ✘ Philosophical research

2. ✔ Historical research

3. ✘ Mythological research

4. ✘ Content analysis

Question Number : 10 Question Id : 54947030121 Display Question Number : Yes Is Question Mandatory : No Calculator : None

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

The government of India conducts census after every 10 years. The method of research used in this process is

Options :

1. ✘ Case study
2. ✘ Developmental
3. ✔ Survey
4. ✘ Experimental

**Question Number : 11 Question Id : 54947030122 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The process not needed in experimental research is

Options :

1. ✘ Observation

2. ✘ Manipulation and replication

3. ✘ Controlling

4. ✔ Reference collection

Question Number : 12 Question Id : 54947030123 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Ex post facto research means

Options :

1. ✔ The research is carried out after the incident

2. ✘ The research is carried out prior to the incident

3. ✘ The research is carried out along with the happening of an incident

4. ✘ The research is carried out keeping in mind the possibilities of an incident

Question Number : 13 Question Id : 54947030124 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Arrange the following steps of research in correct sequence:

- I. Identification of research problem
- II. Listing of research objectives
- III. Collection of data
- IV. Methodology
- V. Data analysis
- VI. Results and discussion

Options :

- 1. ✘ I, II, III, V, IV, and VI
- 2. ✔ I, II, III, IV, V, and VI
- 3. ✘ II, I, III, IV, V, and VI
- 4. ✘ II, I, IV, III, V, and VI

Question Number : 14 Question Id : 54947030125 Display Question Number : Yes Is Question Mandatory : No Calculator : None

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

A variable that is presumed to cause a change in another variable is called

Options :

A categorical variable

1. ✘

A dependent variable

2. ✘

An independent variable

3. ✔

An intervening variable

4. ✘

Is Section Default? : null

Question Id : 54947030126 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:

The great Acharyas have said that everything discovered has a great goal; surrender yourself to that goal and act towards it by drawing your inspiration from that goal whereby you will get a new column of energy. Do not allow this energy to be dissipated in the futile memory of past regrets or failures, or excitement of the present, and bring that entire energy focused into activity, that is, the highest creative action in the world outside, whereby the individual who is till now considered the most inefficient finds his way to the highest achievement and success.

This can be said very easily in a second. In order to train our mind to this attitude, consider able training is needed because we have already trained our mind wrongly to such an extent that we have become perfect in imperfections. Not knowing the art of action, we have mastered artists in doing wrong things; the totality of activity will bring the country to a wrong end indeed.

If each one is given a car to achieve an ideal socialistic pattern and nobody knows driving, but starts driving, what would be the condition on road? Everybody has equal rights on the public road. Then, each car will necessarily dash against the other and there is bound to be a jumble.

There seems to be a very apt pattern of life that we are heading to. Every one of us is a vehicle. We know how to go forward. The point intellect is very powerful and everybody is driving but nobody knows how to control the mental energy and direct it properly or guide it to the proper destination.

Sub questions

Question Number : 15 Question Id : 54947030127 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 effect of wrong training of our mind?

Options :

Becoming perfect in all aspects of life

1. ✘

Becoming master artists

2. ✘

Taking the country to wrong destination

3. ✘

Carrying on activities without knowing how to control mental energies

4. ✔

Question Number : 16 Question Id : 54947030128 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The source of energy according to the author is

Options :

Highest creative action

1. ✘

Proper training of mind

2. ✘

Inspiration from past events

3. ✘

Stimulation obtained from a set goal

4. ✔

**Question Number : 17 Question Id : 54947030129 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The author's main focus in the passage is

Options :

Finding out a worthy goal in life

1. ✘

Regulation of energy in proper channels

2. ✔

Struggle for equal rights

3. ✘

Car accidents due to lack of driving skills

4. ✘

**Question Number : 18 Question Id : 54947030130 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The country may perish because of

Options :

Failures in past acts

1. ✘

Wrong deeds performed without proper knowledge

2. ✔

Complete surrender to anyone goal

3. ✘

Directing mental energy to the right destination

4. ✘

**Question Number : 19 Question Id : 54947030131 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The author considers everyone to be a vehicle that knows how to go forward

Options :

1. ✘ Without driving energy
2. ✘ With least consideration for others
3. ✔ With no sense of direction
4. ✘ With no control on speed

Question Number : 20 Question Id : 54947030132 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 :

1. ✘ Human mind versus car
2. ✔ Channelization of mental energy
3. ✘ Mental energy

Life without a goal

4. ✘

Question Number : 21 Question Id : 54947030133 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How do you interpret that “we have become perfect in imperfections”?

Options :

1. ✔ We have already trained our minds wrongly

2. ✘ We have trained the artists with proper art of action

3. ✘ Right performance with wrong training

4. ✘ Wrong performance with right training

Is Section Default? : null

Question Number : 22 Question Id : 54947030134 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 three components are parts of the human communication process?

Options :

1. ✘ Message, recording, and feedback
2. ✘ Noise, feedback, and jargon
3. ✔ Message, noise, and feedback
4. ✘ Feedback, message, and critiquing

Question Number : 23 Question Id : 54947030135 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Communication becomes circular when

Options :

1. ✔ The decoder becomes an encoder
2. ✘ The feedback is absent
3. ✘ The source is credible

The channel is clear

4. ✘

Question Number : 24 Question Id : 54947030136 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 statement(s) is/are true in context of paraphrasing?

(A) It is basically about stating in your own words, your understanding of what has just been said.

(B) It gives speaker opportunity to find out what message s/he is getting across to you.

Options :

Only A

1. ✘

Only B

2. ✘

Both A and B

3. ✔

Neither A nor B

4. ✘

Question Number : 25 Question Id : 54947030137 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In communication, chatting in internet is

Options :

1. ✓ Verbal communication
2. ✘ Non-verbal communication
3. ✘ Parallel communication
4. ✘ Grapevine communication

Question Number : 26 Question Id : 54947030138 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Chinese Cultural Revolution leader Mao Zedong used a type of communication to talk to the masses known as

Options :

1. ✓ Mass line communication

Group communication

2. ✘

Participatory communication

3. ✘

Dialogue communication

4. ✘

**Question Number : 27 Question Id : 54947030139 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Telephone is an example of

Options :

Linear communication

1. ✔

Non-linear communication

2. ✘

Circular

3. ✘

Mechanized

4. ✘

Question Number : 28 Question Id : 54947030140 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A message beneath a message is labelled as

Options :

1. ✘ Embedded text

2. ✘ Internal text

3. ✘ Intertext

4. ✔ Subtext

Question Number : 29 Question Id : 54947030141 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

0, 3, 8, 15, 24, 35, 48, 63, ...

Options :

1. ✓ 80

2. ✘ 82

3. ✘ 83

4. ✘ 84

Question Number : 30 Question Id : 54947030142 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

ABC, CBA, DEF, ... , GHI, IHG

Options :

1. ✘ JKL

2. ✓ FED

3. ✘ DFE

IJK

4. ✘

Question Number : 31 Question Id : 54947030143 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If 'PAT' is coded as 'QRBCUV', then how will you code 'GRACE'?

Options :

HISTBCDEFG

1. ✔

HISTBCDEGF

2. ✘

HISBTCDEFG

3. ✘

HISTBCEDFG

4. ✘

Question Number : 32 Question Id : 54947030144 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If B is the only child of C's grandfather's only daughter, then how is C's father related to B?

Options :

1. ✓ Maternal uncle
2. ✘ Father
3. ✘ Paternal uncle
4. ✘ Can't be determined

Question Number : 33 Question Id : 54947030145 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Shalini walked 15 m towards south, took right turn, and walked 3 m. She took a right turn again and walked 15 m before stopping. Which direction did Shalini face after stopping?

Options :

1. ✘ West
2. ✘ South

3. ✘ East

4. ✔ North

Question Number : 34 Question Id : 54947030146 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If A's income is 25% more than B's and B's income is 20% more than C's, by what percent is A's income more than C's?

Options :

1. ✘ 15%

2. ✘ 25%

3. ✘ 33.5%

4. ✔ 50%

Question Number : 35 Question Id : 54947030147 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A train whose length is 320 m is running at a speed of 36 kmph. How much time will it take to pass a pole?

Options :

1. ✘ 30 s

2. ✔ 32 s

3. ✘ 36 s

4. ✘ 40 s

Question Number : 36 Question Id : 54947030148 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A deductive argument is valid if

Options :

1. ✘ Premises are false and conclusion is true

Premises are false and conclusion is also false

2. ✘

Premises are true and conclusion is false

3. ✘

Premises are true and conclusion is true

4. ✔

Question Number : 37 Question Id : 54947030149 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The spread of the Internet for higher education is premised on

Options :

Research and development is vital

1. ✘

Browsing encourages critical thinking

2. ✘

Easy management and dissemination of knowledge

3. ✔

India should be second to none in the world

4. ✖

Question Number : 38 Question Id : 54947030150 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 two conclusions I and II. Assuming that the given statements are true even if they are at variance with the commonly known facts, pick up one of the following answer choice which you think is correct.

Statements:

All boys are men.

All men are fathers.

Conclusions:

I. Some men are boys.

II. All boys are fathers.

Options :

If only conclusion I follows

1. ✖

If only conclusion II follows

2. ✖

3. ✓
If both I and II follow

4. ✘
If neither I nor II follows

**Question Number : 39 Question Id : 54947030151 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 two conclusions I and II. Assuming that the given statements are true even if they are at variance with the commonly known facts, pick up one of the following answer choice which you think is correct.

Statements:

Some benches are chairs.

Hammer is a bench.

Conclusions:

I. Some chairs are benches.

II. Hammer is not a chair.

Options :

1. ✓
If only conclusion I follows

If only conclusion II follows

2. ✘

If both I and II follow

3. ✘

If neither I nor II follows

4. ✘

**Question Number : 40 Question Id : 54947030152 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 not an argument?

Options :

Devadutt does not eat in the day so he must be eating at night.

1. ✘

If Devadutt is growing fat and if he does not eat during the day, then he will be eating at night.

2. ✔

Devadutt eats in the night so he does not eat during the day.

3. ✘

Since Devadutt does not eat in the day, he must be eating in the night.

4. ✘

Question Number : 41 Question Id : 54947030153 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 Central Universities?

(i) Pondicherry University

(ii) Vishwa Bharati

(iii) H.N.B. Garhwal University

(iv) Kurukshetra University

Select the correct answer from the codes given below:

Options :

1. ✔ (i), (ii), and (iii)

2. ✘ (i), (iii), and (iv)

3. ✘ (ii), (iii), and (iv)

4. ✘ (i), (ii), and (iv)

**Question Number : 42 Question Id : 54947030154 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The first virtual University of India came up in

Options :

Andhra Pradesh

1. ✘

Maharashtra

2. ✔

Uttar Pradesh

3. ✘

Tamil Nadu

4. ✘

Is Section Default? : null

**Question Id : 54947030155 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 following table carefully and answer questions 43 - 45. It consists of breakup of expenses of a company over different years.

Year	Items of expenditure rupees in lakhs				
	Salary	Fuel & Transport	Bonus	Interest on loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

Sub questions

Question Number : 43 Question Id : 54947030156 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 amount of interest per year which the company had to pay during this period?

Options :

32.43 lakhs

1. ✖

- 2. ✘ 33.72 lakhs
- 3. ✘ 34.18 lakhs
- 4. ✔ 36.66 lakhs

Question Number : 44 Question Id : 54947030157 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Total expenditure on all these items in 1998 was approximately what percent of the total expenditure in 2002?

Options :

- 1. ✘ 62%
- 2. ✘ 66%
- 3. ✔ 69%
- 4. ✘ 71%

Question Number : 45 Question Id : 54947030158 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The ratio between the total expenditure on taxes for all the years and the total expenditure on fuel and transport for all the years, respectively, is approximately

Options :

4 : 7

1. ✘

10 : 13

2. ✔

15 : 18

3. ✘

5 : 8

4. ✘

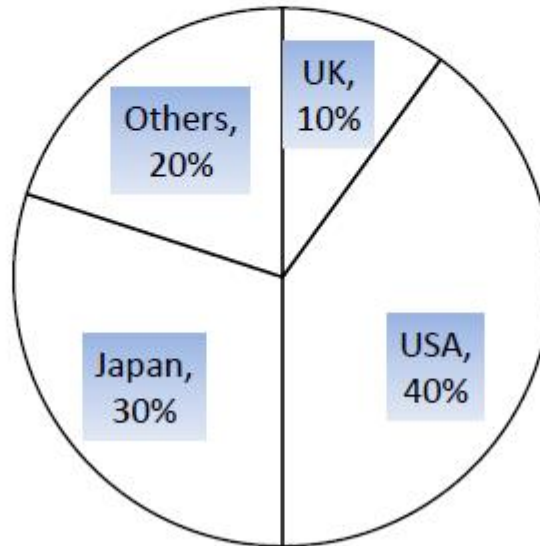
Is Section Default? : null

Question Id : 54947030159 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 pie chart carefully and answer questions 46–49. It consists of data on tourist arrival from different countries. Total tourist traffic is 20 lakhs.



Sub questions

Question Number : 46 Question Id : 54947030160 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The difference between tourist numbers from USA and Japan is

Options :

1. ✓ 2 lakhs
2. ✗ 3 lakhs
3. ✗ 4 lakhs
4. ✗ 5 lakhs

Question Number : 47 Question Id : 54947030161 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the number of tourists from UK doubles up while the total remains the same, then the new angle extended by tourists from UK will be

Options :

1. ✗ 60°
2. ✓ 72°
3. ✗ 90°

120°

4. ✘

Question Number : 48 Question Id : 54947030162 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The angle extended at the centre by sector of tourists from USA is

Options :

108°

1. ✘

118°

2. ✘

144°

3. ✔

165°

4. ✘

Question Number : 49 Question Id : 54947030163 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the tourist traffic from USA shows a growth of 50% while the total number of tourists remains the same, then the new percentage from USA is

Options :

1. ✘ 40%
2. ✘ 45%
3. ✔ 50%
4. ✘ 60%

Is Section Default? : null

Question Number : 50 Question Id : 54947030164 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The institution promoted by the Department of IT to provide communication infrastructure and services to academic research institutions in India is

Options :

1. ✘ INFLIBNET
2. ✘ UGC

ERNET

3. ✓

No Option

4. ✘

**Question Number : 51 Question Id : 54947030165 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

MICR stands for

Options :

Magnetic Ink Character Reader

1. ✓

Magnetic Ink Code Reader

2. ✘

Magnetic Ink Cases Reader

3. ✘

No Option

4. ✘

**Question Number : 52 Question Id : 54947030166 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 related to information security on the Internet?

Options :

Data encryption

1. ✘

Water marking

2. ✘

Data hiding

3. ✘

Information retrieval

4. ✔

**Question Number : 53 Question Id : 54947030167 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

World Wide Web was proposed by

Options :

Bill Gates

1. ✘

ARPANET

2. ✘

Tim Berners-Lee

3. ✘

Bill Rogers

4. ✔

Question Number : 54 Question Id : 54947030168 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Name of the protocol that supports linking from one web page to another page

Options :

HTML

1. ✘

IP

2. ✘

HTTP

3. ✔

FTP

4. ✘

Question Number : 55 Question Id : 54947030169 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

ISDN stands for

Options :

Integrated Services Digital Network

1. ✓

Intelligent Services Digital Network

2. ✗

Individual Services Digital Network

3. ✗

Image Services Digital Network

4. ✗

Question Number : 56 Question Id : 54947030170 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Exclusive educational channel of IGNOU is known as

Options :

Gyan Darshan

1. ✓

Gyan Vani

2. ✖

Doordarshan

3. ✖

Prasar Bharati

4. ✖

**Question Number : 57 Question Id : 54947030171 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Ozone depletion is caused due to increase in the level of

Options :

Water vapour

1. ✖

Chlorofluorocarbo

2. ✔

Oxygen

3. ✖

Carbon monoxide

4. ✘

Question Number : 58 Question Id : 54947030172 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 the most dangerous and long-lasting?

Options :

Nuclear waste

1. ✔

Volcano ash

2. ✘

Mining waste

3. ✘

Biomedical waste

4. ✘

Question Number : 59 Question Id : 54947030173 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Petrol engines release gaseous oxides of

Options :

1. ✘ Sulphur
2. ✔ Nitrogen
3. ✘ Phosphorous
4. ✘ Carbon

Question Number : 60 Question Id : 54947030174 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 causes the least pollution when burnt?

Options :

1. ✘ Petrol
2. ✘ Diesel
3. ✘ Coal

Natural gas

4. ✓

**Question Number : 61 Question Id : 54947030175 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The increased water demand in the cities can be better met by

Options :

Larger desalination plants

1. ✘

Adoption of conservation measures

2. ✓

Drilling more tube wells

3. ✘

By sewerage treatment plants

4. ✘

**Question Number : 62 Question Id : 54947030176 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 renewable resource?

Options :

1. ✘ Natural gas

2. ✘ Petroleum

3. ✔ Ground water

4. ✘ Coal

Question Number : 63 Question Id : 54947030177 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which National Park is situated at the highest altitude in the country?

Options :

1. ✘ Corbett National Park

2. ✔ Hemis National Park

Silent Valley National Park

3. ✖

Dachigam National Park

4. ✖

Question Number : 64 Question Id : 54947030178 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The National Knowledge Commission, a high level advisory body to Prime Minister of India, with the objective of transforming India into a knowledge society was set up in the year

Options :

2005

1. ✔

2006

2. ✖

2007

3. ✖

2008

4. ✖

Question Number : 65 Question Id : 54947030179 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who was the chairman of University Education Commission set up in 1948?

Options :

Dr S. Radhakrishnan

1. ✓

Dr D. S. Kothari

2. ✘

Maulana Abul Kalam Azad

3. ✘

C. D. Deshmukh

4. ✘

Question Number : 66 Question Id : 54947030180 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Constitution of India (originally) is divided into

Options :

20 parts

1. ✘

2. ✓ 22 parts

3. ✘ 24 parts

4. ✘ 42 parts

Question Number : 67 Question Id : 54947030181 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which Fundamental Right is concerned with the abolition of social distinctions?

Options :

1. ✓ Right to equality

2. ✘ Right against exploitation

3. ✘ Right to life and liberty

4. ✘ Cultural and educational rights

**Question Number : 68 Question Id : 54947030182 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

An ordinance can be promulgated in case

Options :

of conflict between two Houses on a bill

1. ✖

both Houses of Parliament are not in session

2. ✔

the Lok Sabha has been dissolved

3. ✖

of elections

4. ✖

**Question Number : 69 Question Id : 54947030183 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

A Money Bill passed by the Lok Sabha has to be passed by Rajya Sabha within

Options :

1. ✘ Three months

2. ✔ Fourteen days

3. ✘ Twenty-one days

4. ✘ One month

Question Number : 70 Question Id : 54947030184 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

By which of the following measures NITI Aayog was established?

Options :

1. ✔ Cabinet resolution

2. ✘ Parliament resolution

President

3. ✖

Prime Minister

4. ✖

Zoology

Section Id :	549470424
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 : 54947030185 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In which type of culture, the stocking rate is much lower than the carrying capacity of the pond

Options :

Semi-intensive

1. ✖

Intensive

2. ✖

Extensive

3. ✔

Traditional

4. ✖

Question Number : 72 Question Id : 54947030186 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The value of heritability of human A,B,O blood groups is as follows

Options :

25 %

1. ✖

50 %

2. ✖

33 %

3. ✖

100 %

4. ✓

Question Number : 73 Question Id : 54947030187 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In *Torpedo*, the electric organ is derived from

Options :

Lateral muscles of tail

1. ✘

Eye muscles

2. ✘

Branchial muscles

3. ✓

Body muscles

4. ✘

Question Number : 74 Question Id : 54947030188 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Biofertilizer used in aquaculture in India

Options :

1. ✘ *Lemna*

2. ✔ *Azolla*

3. ✘ *Vallisnaria*

4. ✘ *Gracilaria*

Question Number : 75 Question Id : 54947030189 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Sodium removal and conservation in human kidney takes place due to

Options :

Erythropoietin

1. ✘

T3

2. ✘

Aldosterone

3. ✔

Testosterone

4. ✘

Question Number : 76 Question Id : 54947030190 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Frank-Starling law is concerned with

Options :

Brain

1. ✘

2. ✘ Kidney

3. ✘ Lungs

4. ✔ Heart

Question Number : 77 Question Id : 54947030191 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In paddy cum fish culture, one of the following fish should NOT be used

Options :

1. ✘ *Catla*

2. ✘ *Labeo*

3. ✔ Common carp

Silver carp

4. ✘

Question Number : 78 Question Id : 54947030192 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following muscle proteins has ATPase activity

Options :

Myosin

1. ✔

Actin

2. ✘

Tropomyosin

3. ✘

Troponin

4. ✘

Question Number : 79 Question Id : 54947030193 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is a mixed cranial nerve of fish?

Options :

Olfactory nerve

1. ✘

Optic nerve

2. ✘

Auditory nerve

3. ✘

Trigeminal nerve

4. ✔

Question Number : 80 Question Id : 54947030194 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the marine environment, the deep sea zone below 6000meters depth is

Options :

1. ✘ Intertidal

2. ✔ Hadal

3. ✘ Bathyal

4. ✘ Abyssal

Question Number : 81 Question Id : 54947030195 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Chromosomal location of a cloned DNA segment can be determined by which of the following methods?

Options :

1. ✘ Complementation

In situ hybridization

2. ✓

Chromosome walking

3. ✘

Dot-blot hybridization

4. ✘

Question Number : 82 Question Id : 54947030196 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Adrenaline is a derivative of

Options :

Calcitonin

1. ✘

Small peptides

2. ✘

Tyrosine

3. ✓

Cumarin

4. ✘

Question Number : 83 Question Id : 54947030197 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Cage culture is popular for

Options :

Lates

1. ✔

Chanos

2. ✘

Mugil

3. ✘

Etroplus

4. ✘

Question Number : 84 Question Id : 54947030198 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 inhibits the chain elongation step during transcription in Prokaryotes and Eukaryotes?

Options :

Actinomycin -D

1. ✓

Rifamycin

2. ✘

Streptomycin

3. ✘

Alpha-amyrin

4. ✘

Question Number : 85 Question Id : 54947030199 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Complete aglomerular kidney is present in

Options :

Therapon

1. ✘

Hippocampus

2. ✔

Tricanthus

3. ✘

Arius

4. ✘

**Question Number : 86 Question Id : 54947030200 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Barnacles are the inhabitants of this rocky zone

Options :

Supra littoral zone

1. ✘

Mid littoral zone

2. ✔

Infra littoral zone

3. ✘

Upper supra littoral zone

4. ✘

Question Number : 87 Question Id : 54947030201 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 stops polyspermi?

Options :

Cortical granule reaction

1. ✔

Ion channel opening

2. ✘

Fertilized egg becomes negatively charged

3. ✘

Fusogenic substances with lipid nature

4. ✘

Question Number : 88 Question Id : 54947030202 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Cells of juxtaglomerular apparatus participate in the release of

Options :

Aldosterone

1. ✘

Renin

2. ✔

Sodium

3. ✘

ADH

4. ✘

Question Number : 89 Question Id : 54947030203 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the most acceptable reason for rigor mortis in fish is due to loss of

Options :

ATP

1. ✓

Glycogen

2. ✘

Lactic acid

3. ✘

Enzymes

4. ✘

Question Number : 90 Question Id : 54947030204 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Pentameric immunoglobulin is

Options :

Ig G

1. ✘

2. ✘ Ig E

3. ✘ Ig D

4. ✔ Ig M

Question Number : 91 Question Id : 54947030205 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following produces marine pearls belonging to the family of *Pteriidae*

Options :

1. ✘ *Perna viridis*

2. ✔ *Pinctada fucata*

Crosstrea madrasensis

3. ✘

Mytilus edulis

4. ✘

**Question Number : 92 Question Id : 54947030206 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Rhizophora is characteristic of

Options :

Black mangrove

1. ✘

Red mangrove

2. ✔

White mangrove

3. ✘

Button wood mangrove

4. ✘

Question Number : 93 Question Id : 54947030207 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

CD4 receptor

Options :

1. ✓ Binds to MHC Class II molecule
2. ✘ Binds CDS on T-cell surface
3. ✘ Binds to peptide antigen directly
4. ✘ Binds to MHC Class I molecule

Question Number : 94 Question Id : 54947030208 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

FSH uses the following messenger

Options :

First messenger

1. ✘

Insulin

2. ✘

cAMP

3. ✔

Oxytocin

4. ✘

Question Number : 95 Question Id : 54947030209 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

For *M. resenbergii*, the stocking density in grow out pond is

Options :

20,000 to 30,000PL/ha

1. ✘

30,000 to 40,000PL/ha

2. ✔

40,000 to 50,000PL/ha

3. ✖

50,000 to 60,000PL/ha

4. ✖

Question Number : 96 Question Id : 54947030210 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Minisatellites used in DNA finger printing are

Options :

Repetitive non-coding short DNA sequences

1. ✖

Non-repetitive non-coding short DNA sequences

2. ✖

Repetitive coding short DNA sequences

3. ✔

Both repetitive non-coding and non-repetitive non-coding DNA sequences

4. ✖

Question Number : 97 Question Id : 54947030211 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Trisomic condition for X-chromosome in human results in the following syndrome

Options :

Downs syndrome

1. ✘

Turner syndrome

2. ✘

Klinefelter syndrome

3. ✔

Cri-du-chat syndrome

4. ✘

Question Number : 98 Question Id : 54947030212 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The wood borer *Martesia* is a/an

Options :

Isopod

1. ✘

Amphipod

2. ✘

Pholad

3. ✔

Teredinid

4. ✘

Question Number : 99 Question Id : 54947030213 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How to close the active MS word document with close button located at

Options :

Top left

1. ✘

Ctrl +A

2. ✘

3. ✓
Top right

4. ✘
Ctrl +V

Question Number : 100 Question Id : 54947030214 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 increases the cardiac output?

Options :

1. ✘
Hemorrhage

2. ✘
Hypothyroidism

3. ✘
Heart failure

4. ✓
Exercise

Question Number : 101 Question Id : 54947030215 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The algal species *Skeletonema* and *Chaetoceros* used as feed for early larval stages of prawn belong to

Options :

1. ✓ Bacillariophyceae

Cynophyceae

2. ✘

Haptophyceae

3. ✘

Chlorophyceae

4. ✘

Question Number : 102 Question Id : 54947030216 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following is a delayed type of hypersensitivity

Options :

1. ✘ Anaphylactic hypersensitivity
2. ✘ Antibody-dependent cytotoxic hypersensitivity
3. ✘ Immune complex-mediated hypersensitivity
4. ✔ Cell-mediated hypersensitivity

Question Number : 103 Question Id : 54947030217 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

During parental care, the male develops an enlarged lower lip to form a pouch in which incubation of eggs takes place. Identify the fish from the following

Options :

1. ✔ *Loricaria typus*
2. ✘ *Kurtus indicus*

Symphrodon discus

3. ✖

Gastrosteus aculeatus

4. ✖

Question Number : 104 Question Id : 54947030218 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

TRF, a tripeptide is released by

Options :

Hypothalamus

1. ✔

Thyroid gland

2. ✖

Adrenal gland

3. ✖

Parathyroid gland

4. ✖

Question Number : 105 Question Id : 54947030219 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Carragenin is a phycocolloid extracted from

Options :

Gelidiella

1. ✖

Chondrus

2. ✔

Gracilaria

3. ✖

Eucheuma

4. ✖

Question Number : 106 Question Id : 54947030220 Display Question Number : Yes Is Question Mandatory : No Calculator : None

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

Highly reactive free radicals are confined with the following cell organelles.
Identify

Options :

1. ✓ Peroxysomes

2. ✘ Smooth endoplasmic reticulum

3. ✘ Mitochondria

4. ✘ Thylakoids

**Question Number : 107 Question Id : 54947030221 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The spat of European oyster have a preference to settle on

Options :

Wood

1. ✘

Plastic

2. ✘

Any surface coated with calcium carbonate

3. ✔

Any surface coated with chlorinated benzene

4. ✘

Question Number : 108 Question Id : 54947030222 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the radio-carbon uptake method to determine the growth of fishes, the following radioactive material is used to incubate the scales

Options :

C¹⁴-glycine

1. ✔

C¹⁴-adenine

2. ✖

C¹⁴-thymine

3. ✖

C¹⁴-cytosine

4. ✖

Question Number : 109 Question Id : 54947030223 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Glycosylation of protein occurs in

Options :

Smooth endoplasmic reticulum

1. ✖

Rough endoplasmic reticulum

2. ✖

Ribosomes

3. ✘

Golgi complex

4. ✔

Question Number : 110 Question Id : 54947030224 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Capitella is an indicator of

Options :

Pesticide pollution

1. ✘

Oil pollution

2. ✔

Thermal pollution

3. ✘

Radioactive pollution

4. ✘

Question Number : 111 Question Id : 54947030225 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 does not have altruism in their life?

Options :

Ants

1. ✘

Mosquitoes

2. ✔

Bees

3. ✘

Wasps

4. ✘

Question Number : 112 Question Id : 54947030226 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

An ideal fish farm should have more

Options :

1. ✘ Hatching ponds

2. ✘ Nursery ponds

3. ✔ Rearing ponds

4. ✘ Stocking ponds

Question Number : 113 Question Id : 54947030227 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The flavor, color and nutritive value of the fish are fully preserved in

Options :

1. ✘ Drying

2. ✘ Salting

3. ✘ Smoking

4. ✔ Freeze drying

Question Number : 114 Question Id : 54947030228 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 cells lose their capability to have self-recognition

Options :

1. ✔ Malignant cells

2. ✘ Microvilli cells

3. ✘ Outer membrane of mitochondria

4. ✘ Nerve cell covering

Question Number : 115 Question Id : 54947030229 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The following device is used to collect water samples from several predetermined depths for salinity and chemical analysis

Options :

Current meter

1. ✘

Drift bottle

2. ✘

Submerged float

3. ✘

Nansen bottle

4. ✔

Question Number : 116 Question Id : 54947030230 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Racks are used for culture of

Options :

Shrimp

1. ✘

Crabs

2. ✘

Sea weeds

3. ✘

Oysters

4. ✔

Question Number : 117 Question Id : 54947030231 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In crustaceans, the gonad inhibiting hormone is secreted by

Options :

X-organ

1. ✔

Y-organ

2. ✘

Neurosecretary cells

3. ✘

Androgenic gland

4. ✘

Question Number : 118 Question Id : 54947030232 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The following by-product of fish is used in the preparation of plasters and special cements

Options :

Fish glue

1. ✘

Fish oil

2. ✘

Isinglass

3. ✔

Fish skin

4. ✖

**Question Number : 119 Question Id : 54947030233 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

The only trench found in the Indian Ocean

Options :

Sunda trench

1. ✔

Ramanche trench

2. ✖

South sandwich trench

3. ✖

Cayman trench

4. ✖

**Question Number : 120 Question Id : 54947030234 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

In embryo development, the neural crest cells are _____

Options :

Pleuripotent cells

1. ✓

Intermediate progenitor cells

2. ✘

Committed precursor cells

3. ✘

Adult stem cells

4. ✘

Question Number : 121 Question Id : 54947030235 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The most common method of correcting low pH is liming the pond and the name of quick lime used for this purpose is

Options :

Calcium bicarbonate

1. ✘

2. ✘ Calcium hydroxide

3. ✘ Calcium carbonate

4. ✔ Calcium oxide

Question Number : 122 Question Id : 54947030236 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 largest river system in India?

Options :

1. ✘ Godavari

2. ✘ Krishna

3. ✔ Ganga

Mahanadi

4. ✘

**Question Number : 123 Question Id : 54947030237 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Which is NOT a measure of central tendency?

Options :

Mode

1. ✘

Range

2. ✔

Median

3. ✘

Mean

4. ✘

**Question Number : 124 Question Id : 54947030238 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Which element is present more in seawater after sodium

Options :

Calcium

1. ✘

Magnesium

2. ✔

Sulphur

3. ✘

Potassium

4. ✘

Question Number : 125 Question Id : 54947030239 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Name the fish which helps to control aquatic weeds

Options :

Ctenopharyngodon

1. ✔

Wallago

2. ✖

Channa

3. ✖

Glassogobius

4. ✖

Question Number : 126 Question Id : 54947030240 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Herrings show the following type of migration

Options :

Anadromous

1. ✖

Catadromous

2. ✖

Potamodromous

3. ✖

Oceanodromous

4. ✓

Question Number : 127 Question Id : 54947030241 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Identify the digenetic cestode parasite that lives in man and pig

Options :

Schistosoma haematobium

1. ✘

Nector americanus

2. ✘

Wuchereria bancrofti

3. ✘

Taenia solium

4. ✓

Question Number : 128 Question Id : 54947030242 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Tidal waves and Tsunamis are

Options :

1. ✘ Seiche waves
2. ✘ Deep water waves
3. ✔ Shallow water waves
4. ✘ Capillary waves

Question Number : 129 Question Id : 54947030243 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In addition to pituitary extract, induced breeding can be induced in fish by the administration of the following hormone

Options :

1. ✘ Testosterone

Human chorionic gonadotropin

2. ✓

Thyroxine

3. ✘

Prolactin

4. ✘

Question Number : 130 Question Id : 54947030244 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 metabolic pathway affected gene mutation?

Options :

Phenylketonuria

1. ✓

Alkaptonuria

2. ✘

Sickle-cell anemia

3. ✘

Opitz-Kaveggia syndrome

4. ✘

Question Number : 131 Question Id : 54947030245 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Xenobiotic detoxification takes place in

Options :

Lysosomes

1. ✘

Mitochondria

2. ✘

Glyoxysomes

3. ✘

Smooth endoplasmic reticulum

4. ✔

Question Number : 132 Question Id : 54947030246 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which ranks first in primary production of colder and temperate regions of ocean

Options :

1. ✘ Dinoflagellates

2. ✔ Diatoms

3. ✘ *Tricodesmium*

4. ✘ Coccolithophores

Question Number : 133 Question Id : 54947030247 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Natural fish seed are collected from shallow margins of rivers where there is a curve in the course of the river by using the following

Options :

Shooting net

1. ✓

Drift net

2. ✘

Rampani net

3. ✘

Trawl net

4. ✘

**Question Number : 134 Question Id : 54947030248 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Malignant tumors arise by

Options :

Biochemical mutations

1. ✘

Blastogenic variations

2. ✘

Somatic mutations

3. ✔

Cryptic variations

4. ✘

Question Number : 135 Question Id : 54947030249 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following is a bony ridge scale in fishes

Options :

Ctenoid scale

1. ✔

Ganoid scale

2. ✘

Placoid scale

3. ✖

Cosmoid scale

4. ✖

Question Number : 136 Question Id : 54947030250 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Identify the multi-cellular zooplankton

Options :

Paramecium

1. ✖

Euglena

2. ✖

Daphnia

3. ✔

Amoeba

4. ✖

Question Number : 137 Question Id : 54947030251 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 Barr bodies present in human with XXY karyotype

Options :

Zero

1. ✘

One

2. ✔

Two

3. ✘

Three

4. ✘

Question Number : 138 Question Id : 54947030252 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Mirror carp is an exotic fish imported from

Options :

1. ✘ Europe

2. ✘ England

3. ✘ Japan

4. ✔ Ceylon

Question Number : 139 Question Id : 54947030253 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many kinds of hemoglobin are present in the blood of American eel (*Anguilla rostrata*)

Options :

1. ✘ One

2. ✔ Two

Three

3. ✖

Four

4. ✖

Question Number : 140 Question Id : 54947030254 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In fishes, an otolith called sagitta is present in

Options :

Utriculus

1. ✖

Sacculus

2. ✔

Lagena

3. ✖

Semi circular canals

4. ✖

