Entrance Exam

2024



QUESTION PAPER

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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 :	GEOLOGY 2nd May 2024 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 :	971036415
Section Number :	1
Mandatory or Optional :	Mandatory
Number of Questions :	66
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 : 97103629188 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 factors shows an adverse effect on the academic performance of a student?

Options :

1. ✖ Faith in God

2. ✖ Physical appearance of teachers

3.

✖ Indifferent attitude towards environment

4. ✔ Low belief in self-efficacy

Question Number : 2 Question Id : 97103629189 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In order to improve the academic performance of children the parents shall be encouraged to

Options :

1. ✖ Arrange extra coaching at home

2. ✖ Always report to the school teacher

3. ✔ Supervise the work of children

4. ✖ Just remain unconcerned

Question Number : 3 Question Id : 97103629190 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 the most important quality of a good teacher

Options :

1. ✖ Being social with students

2. ✔ Mastery over subject

3. ✖ Punctual to work

4. ✖ Possess sympathy on students

Question Number : 4 Question Id : 97103629191 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The method of dividing students into small groups to learn parts of a topic is known as

Options :

1. ✖ Round-Robin method

2. ✖ Numbered heads together

3. ✖ Think-pair-share method

4. ✔ Jigsaw method

Question Number : 5 Question Id : 97103629192 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is the first stage in the cycle of experimental learning

Options :

1. ✖ Reflective observation

2. ✔ Concrete experience

3. ✖ Active experimentation

4. ✖ Abstract

Question Number : 6 Question Id : 97103629193 Display Question Number : Yes Is Questio

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

The process of creating knowledge by transforming experiences is known as

Options :

1. ✖ Abstraction

2. ✖ Conceptualization

3. ✔ Learning

4. ✖ Experimentation

Question Number : 7 Question Id : 97103629194 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A teacher of a diverse class wishes to ensure that all students are engaged on the topic being taught. Which of the following is the best method to reach the goal?

Options :

1. ✔ Initiate a collaborative group activity for students

2. ✖ Use worksheets and calculations

3. ✖ Traditional lecturing

4. ✖ Teaching with the help of slides

Question Number : 8 Question Id : 97103629195 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which approach emphasizes the importance of objective, measurable data in research?

Options :

1. ✔ Positivism

2. ✖ Post-positivism

3. ✖ Constructivism

4. ✖ Interpretivism

Question Number : 9 Question Id : 97103629196 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which research method involves manipulating variables to establish cause-and-effect relationships?

Options :

1. ✖ Descriptive

2. ✔ Experimental

3. ✖ Historical

4. ✖ Qualitative

Question Number : 10 Question Id : 97103629197 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The research approach in which focus lies on observable facts avoiding speculation and metaphysical issues is known as

Options :

1. ✖ Abstraction

2. ✖ Constructionism

3. ✔ Positivism

4. ✖ Feminism

Question Number : 11 Question Id : 97103629198 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The conceptual framework in which research is carried out is called

Options :

1. ✖ Research paradigm

2. ✖ Research synopsis

3. ✖ Research theme

4. ✔ Research design

Question Number : 12 Question Id : 97103629199 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

An approach known as 'research-to-action' is called _____ research

Options :

1. ✖ Case study

2. ✔ Participatory

3. ✖ Intuitive

4. ✖ Qualitative

Question Number : 13 Question Id : 97103629200 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The 'bottom-up method' approach in research is known as

Options :

1. ✔ Inductive method

2. ✖ Hypothesis method

3. ✖ Pattern method

4. ✖ Interview method

Question Number : 14 Question Id : 97103629201 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

In the context of research, the saying 'knowledge comes from experience' is called

Options :

1. ✖ Empiricism

2. ✖ Logic

3. ✔ Deductive reasoning

4. ✖ Experimentation

Question Number : 15 Question Id : 97103629202 Display Question Number : Yes Is Questi

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

A research approach that relies on neutral and measurable physical things around is known as

Options :

1. ✔ Positivism

2. ✖ Post-positivism

3. ✖ Rationalism

4. ✖ Delfi approach

Question Number : 16 Question Id : 97103629203 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A type of research that adheres to specific research design is called

Options :

1. ✖ Historical research

2. ✔ Experimental research

3. ✖ Case study

4. ✖ Survey research

Question Number : 17 Question Id : 97103629204 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In experimental research, the results of a study group are compared with those of

Options :

1. ✖ Popularly known results

2. ✖ Published research outcomes

3. ✔ Control group

4.

✖ Myth and belief

Question Number : 18 Question Id : 97103629205 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A research approach used to generate an in-depth and multi-faceted understanding of an issue is called

Options :

1. ✖ Quasi experimental approach

2. ✖ Historical research

3. ✖ Participatory research

4. ✔ Case study approach

Question Number : 19 Question Id : 97103629206 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The chief goal of qualitative research is _____ of the findings

Options :

1. ✖ Dimension reduction

2. ✔ Categorization

3. ✖ Presentation

4. ✖ Meta-analysis

Question Number : 20 Question Id : 97103629207 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 first step in the research process?

Options :

1. ✖ Data analysis

2. ✖ Literature review

3. ✔ Formulating research questions

4. ✖ Writing the research report

Is Section Default? : null

Question Id : 97103629208 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 : (21 to 25)

Read the Passage and answer the following questions:

Education is fundamental for achieving full human potential, developing an equitable and just society, and promoting national development. Providing universal access to quality education is the key to India's continued ascent, and leadership on the global stage in terms of economic growth, social justice and equality, scientific advancement, national integration, and cultural preservation. Universal high-quality education is the best way forward for developing and maximizing our country's rich talents and resources for the good of the individual, the society, the country, and the world. India will have the highest population of young people in the world over the next decade, and our ability to provide high-quality educational opportunities to them will determine the future of our country. The global education development agenda reflected in the Goal 4 (SDG4) of the 2030 Agenda for Sustainable Development, adopted by India in 2015 - seeks to "ensure inclusive and equitable quality education and promote lifelong learning opportunities for all" by 2030. Such a lofty goal will require the entire education system to be reconfigured to support and foster learning, so that all of the critical targets and goals (SDGs) of the 2030 Agenda for Sustainable Development can be achieved.

Sub questions

Question Number : 21 Question Id : 97103629209 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is required to achieve human potential?

Options :

1. ✖ Culture

2. ✖ Social Justice

3. ✖ Leadership

4. ✔ Education

Question Number : 22 Question Id : 97103629210 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

India's leadership in multifaced national development is largely based on

Options :

1. ✖ Good quality of life

2. ✔ Access to quality education

3. ✖ Social justice

4. ✖ Industrial growth

Question Number : 23 Question Id : 97103629211 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Youngsters in India will determine the future of the country through quality education because

Options :

1. ✖ Youngsters learn things faster than seniors

2. ✖ Youngsters possess great skills

3. ✔ India's younger population will be the highest in the world in the next 10 years

4. ✖ Younger population are energetic

Question Number : 24 Question Id : 97103629212 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The SDG4 seeks to ensure by 2030 the following aspect

Options :

1. ✔ Inclusive and equitable quality education

2. ✖ Equality to both genders in higher education

3. ✖ Compulsory free education

4. ✖ Inclusiveness to all in mid-day meal in schools

Question Number : 25 Question Id : 97103629213 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

India has adopted the global education development agenda in the year

Options :

1. ✖ 2003

2. ✖ 2005

3. ✖ 2030

4. ✔ 2015

Is Section Default? : null

Question Number : 26 Question Id : 97103629214 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The method of communication from a single source to selected receivers is called

Options :

1. ✖ Mass communication

2. ✖ Inter-personal communication

3. ✔ Group communication

4. ✖ Tele communication

Question Number : 27 Question Id : 97103629215 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The use of a language to convey information by speaking is called

Options :

1. ✔ Verbal communication

2. ✖ Inter-personal communication

3. ✖ Body language

4. ✖ Facial communication

Question Number : 28 Question Id : 97103629216 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The following is an example of non-verbal communication

Options :

1. ✖ Question paper

2. ✖ Google form

3. ✖ SMS on mobile

4. ✔ Facial expression

Question Number : 29 Question Id : 97103629217 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The term dyadic communication refers to

Options :

1. ✖ Group communication

2. ✔ Inter personal communication

3. ✖ Face to face communication

4. ✖ Gestures

Question Number : 30 Question Id : 97103629218 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

Which type of communication is inherently asynchronous?

Options :

1. ✖ Satellite communication

2. ✖ Voice calls

3. ✖ Video streaming

4. ✔ Instant messaging

Question Number : 31 Question Id : 97103629219 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How does ICT (Information and Communication Technology) benefit research?

Options :

1. ✖ Increases manual workload

2. ✔ Enhances data analysis and visualization

3. ✖ Decreases data storage capacity

4. ✖ Reduces research collaboration

Question Number : 32 Question Id : 97103629220 Display Question Number : Yes Is Questi

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ is a vital requirement of good quality in group discussion by participants

Options :

1. ✖ Aggressiveness

2. ✖ Ignorance

3. ✔ Emotional stability

4. ✖ Cross talking

Question Number : 33 Question Id : 97103629221 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

When shall there be break in the discussion by the modulator during group discussion?

Options :

1. ✖ When only one person keeps on talking

2. ✖ When all are silent

3. ✖ When less time is left out

4. ✔ When two or more people talk at a time

Question Number : 34 Question Id : 97103629222 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In a group discussion one should avoid

Options :

1. ✖ Speaking fake things

2. ✖ Trying to be dominating

3. ✔ Being subjective

4. ✖ Asking questions

Question Number : 35 Question Id : 97103629223 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is a fundamental principle of research ethics?

Options :

1. ✔ Respect for participants' rights

2. ✖ Plagiarism

3. ✖ Data falsification

4. ✖ Biased reporting

Question Number : 36 Question Id : 97103629224 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the day after the day after tomorrow is four days before Monday, what day is it today?

Options :

1. ✖ Monday

2. ✔ Tuesday

3. ✖ Wednesday

4. ✖ Friday

Question Number : 37 Question Id : 97103629225 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Given the number series: 7, 10, 8, 11, 9, 12, … the next number in sequence will be

Options :

1. ✖ 7

2. ✖ 12

3. ✔ 10

4. ✖ 13

Question Number : 38 Question Id : 97103629226 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

SCD, TEF, UGH, ____, WKL

Options :

1. ✖ CMN

2. ✖ UJI

3. ✔ VIJ

4. ✖ IJT

Question Number : 39 Question Id : 97103629227 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If in a certain code language "CONSTRUCTION" was written as "EMPQVPWAVGQL" identify what will be the code in the same language for the word "DESTRUCTION"?

Options :

1. ✔ FCURTSERKMP

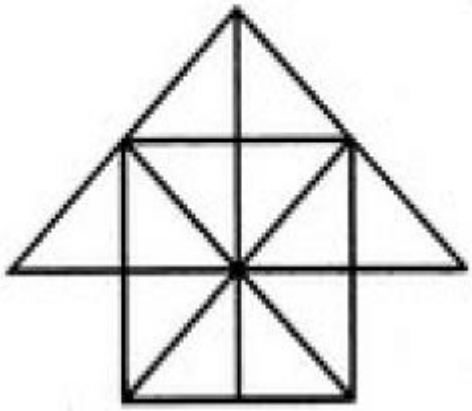
2. ✖ EFTVSVDVJPO

3. ✖ FCURTSFSLOQ

4. ✖ FCEFSVJVTRM

Question Number : 40 Question Id : 97103629228 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Count the number of triangles and squares in the given figure.



Options :

1. ✖ 26 triangles, 5 squares

2. ✖ 28 triangles, 5 squares

3. ✔ 28 triangles, 6 squares

4. ✖ 26 triangles, 6 squares

Question Number : 41 Question Id : 97103629229 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

An Aeroplane covers a certain distance at a speed of 240 kmph in 5 hours. At what speed it should travel in order to cover the same distance in 2 hours

Options :

1. ✖ 300 Kmph

2. ✖ 360 Kmph

3. ✖ 720 Kmph

4. ✔ 600 Kmph

Question Number : 42 Question Id : 97103629230 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If we multiply two consecutive integers the product is an even number. So (3x4 = 12) is an even number. What type of logic is this?

Options :

1. ✖ Informal

2. ✖ Inductive

3. ✖ Formal

4. ✔ Deductive

Question Number : 43 Question Id : 97103629231 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Given a premise and a conclusion, a deductive argument becomes invalid when

Options :

1. ✖

Both premise and conclusion are false

2. ✔ Premise is true but conclusion is false

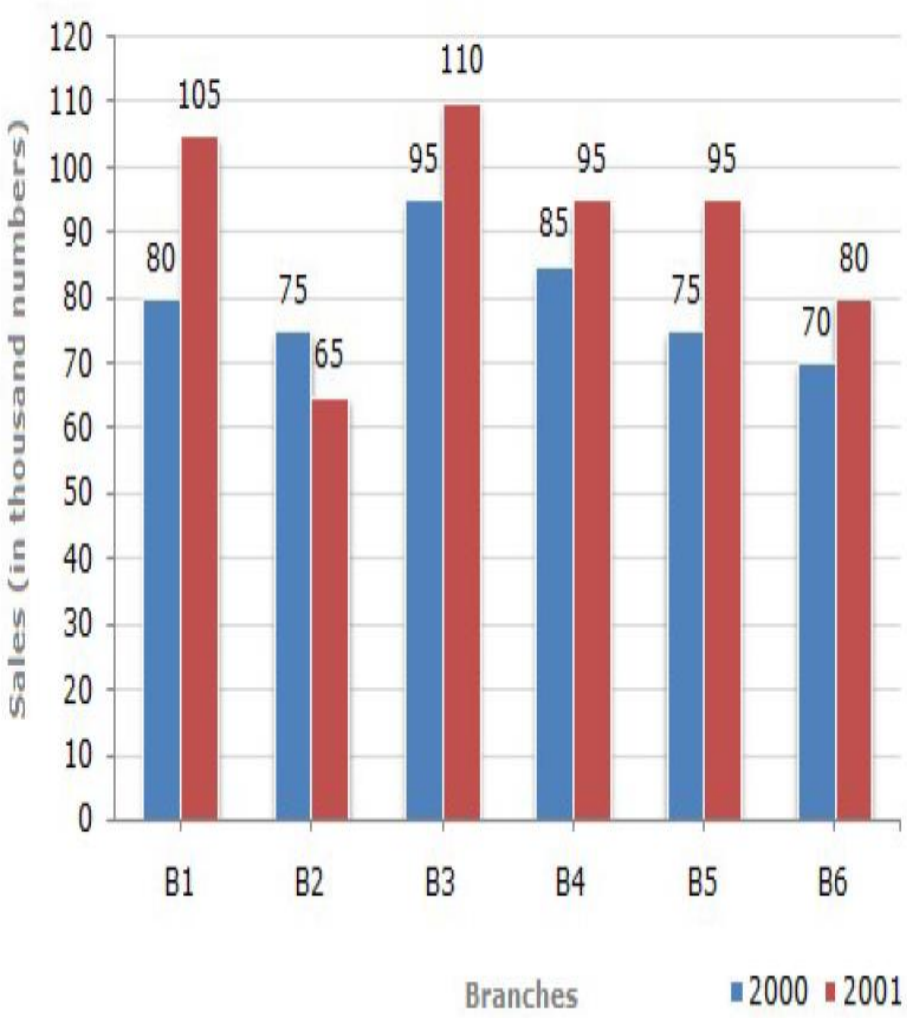
3. ✖ Both premise and conclusion are true

4. ✖ Premise is false but conclusion is true

Question Number : 44 Question Id : 97103629232 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?

Options :

1. ✖ 2.3

2. ✖ 3.5

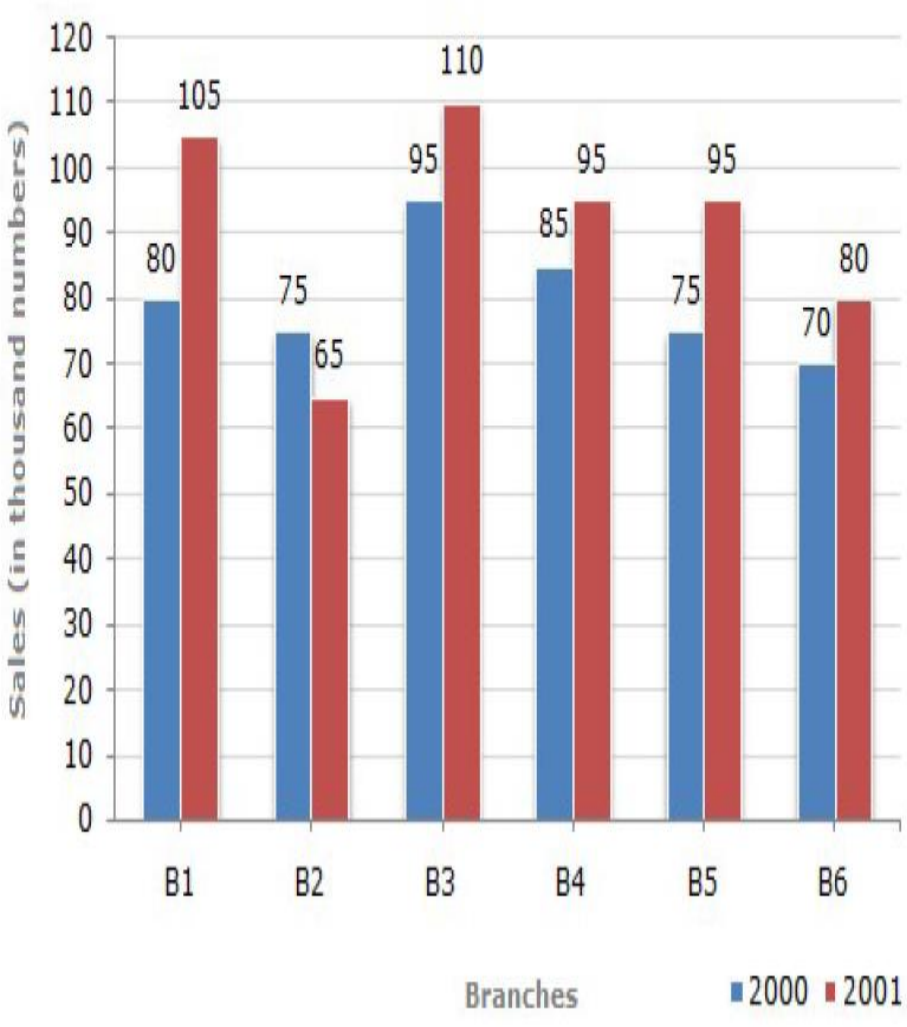
3. ✖ 4.5

4. ✔ 7.9

Question Number : 45 Question Id : 97103629233 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years?

Options :

1. ✖ 68.54

2. ✖ 71.11

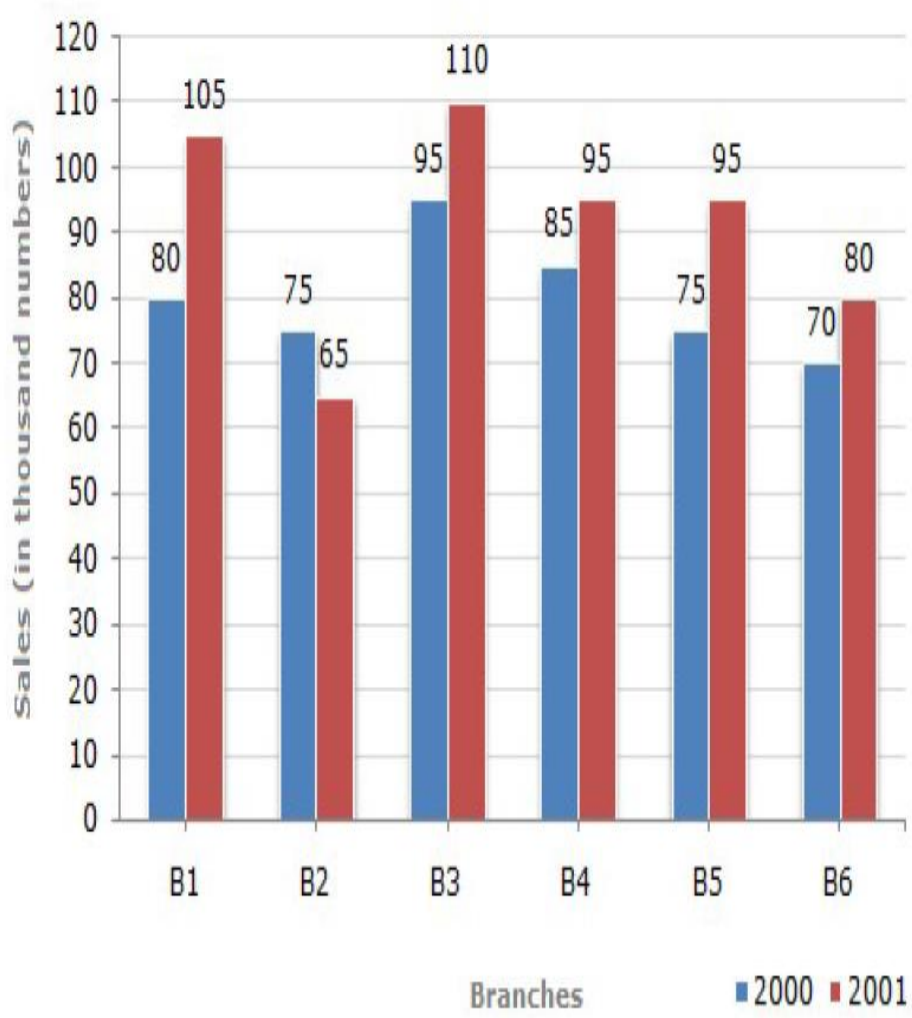
3. ✔ 73.17

4. ✖ 75.55

Question Number : 46 Question Id : 97103629234 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?

Options :

1. ✖ 78

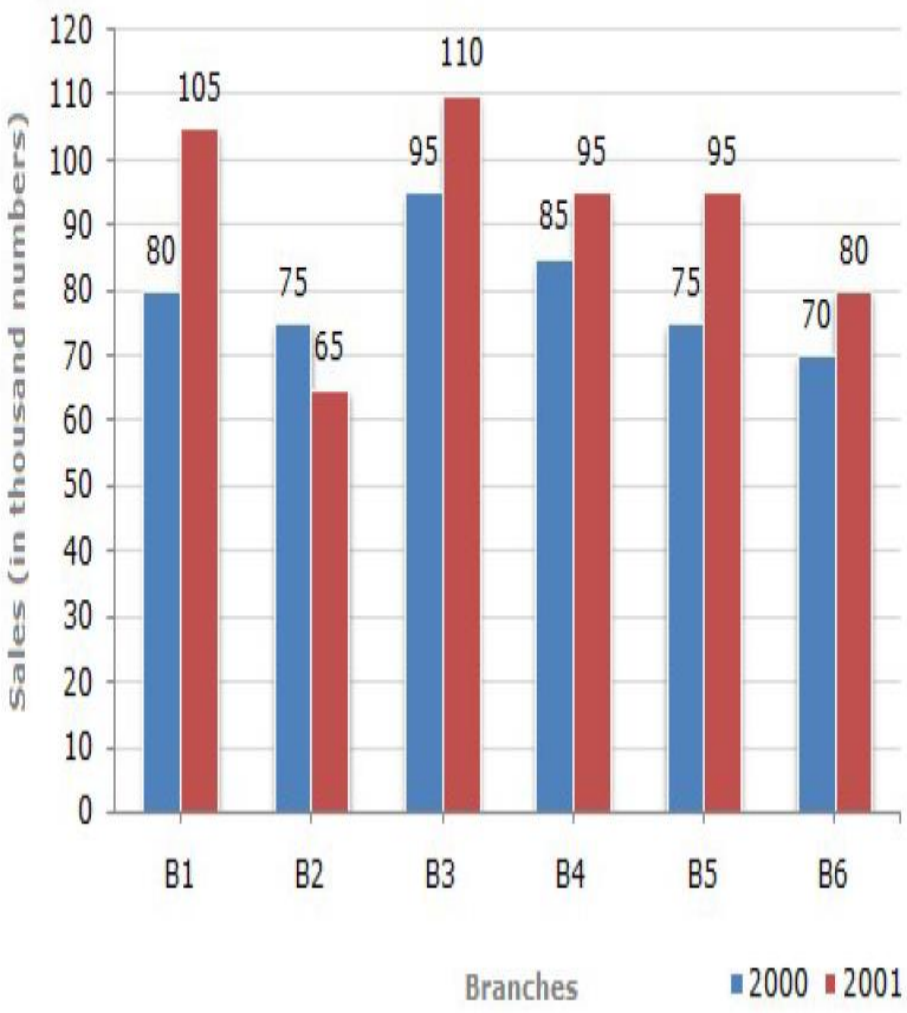
2. ✖ 77.5

3. ✖ 82.5

4. ✔ 87.5

Question Number : 47 Question Id : 97103629235 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.
Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



What are the average sales of all the branches (in thousand numbers) for the year 2000?

Options :

1. ✖ 73

2. ✔ 80

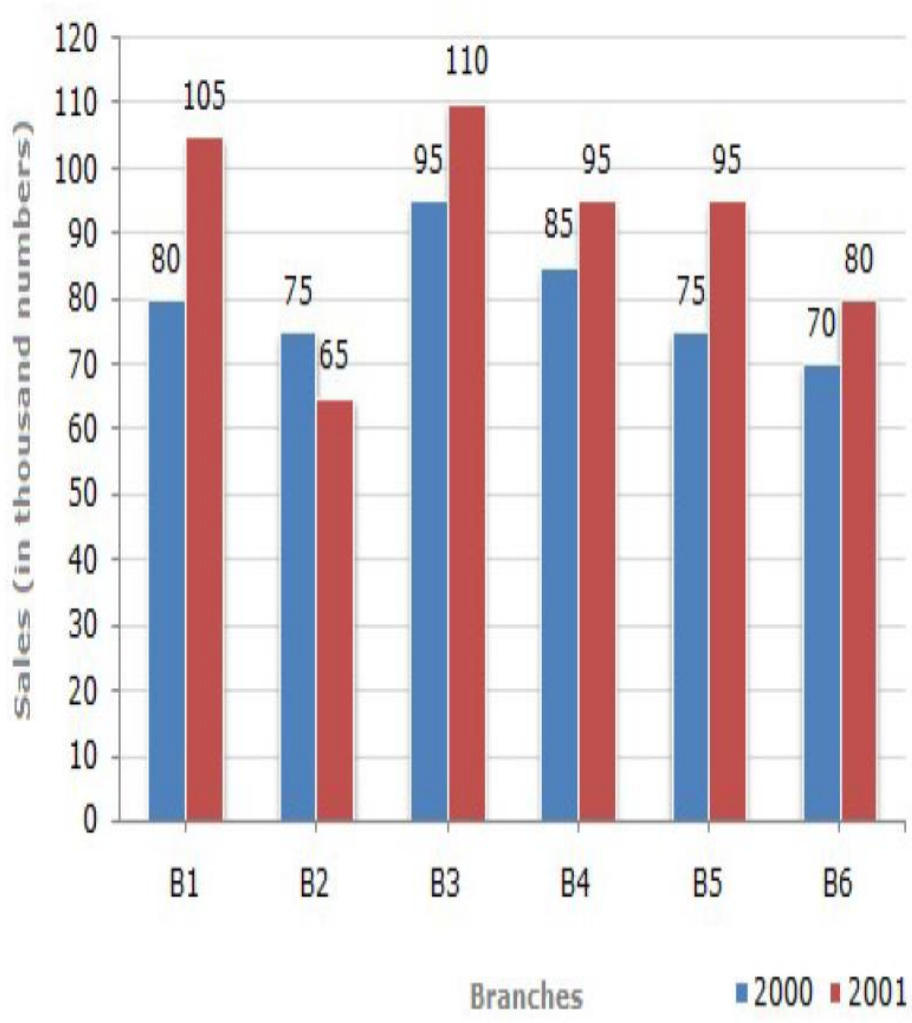
3. ✖ 83

4. ✖ 88

Question Number : 48 Question Id : 97103629236 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is?

Options :

1. ✖ 250

2. ✖ 310

3. ✖ 435

4. ✔ 560

Question Number : 49 Question Id : 97103629237 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

What is a challenge in inter-cultural communication?

Options :

1. ✖ Shared cultural norms

2. ✖ Similar communication styles

3. ✖ Homogeneous perspectives

4. ✔ Language barriers

Question Number : 50 Question Id : 97103629238 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 web browser

Options :

1. ✖ Microsoft Windows

2. ✖ Google Drive

3. ✔ Google Chrome

4. ✖ HTML

Question Number : 51 Question Id : 97103629239 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

An example of not cloud storage of data files is

Options :

1. ✔ SQL

2. ✖ Google Drive

3. ✖ Drobox

4. ✖ One-drive

Question Number : 52 Question Id : 97103629240 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Suspicious and potentially dangerous e-mails are stored in

Options :

1. ✖ Sent folder

2. ✔ Spam folder

3. ✖ Junk folder

4. ✖ In-box folder

Question Number : 53 Question Id : 97103629241 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The act of sending harmful e-mails to steal personal information is called

Options :

1. ✖ Group mailing

2. ✖ Mailing without attachments

3. ✖ Junk mailing

4. ✔ Phishing

Question Number : 54 Question Id : 97103629242 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The purpose of firewall for an internet connection is

Options :

1. ✔ To prevent unauthorized access to the network

2. ✖ To handle large volumes of data

3. ✖ To provide video conferencing

4. ✖ To enhance the speed of data access

Question Number : 55 Question Id : 97103629243 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In order to achieve sustainable development, the most important factor to be considered is

Options :

1. ✖ High GDP growth rate

2. ✖ Inclusiveness in planning

3. ✔ Inter-generation equity

4. ✖ Industrial growth

Question Number : 56 Question Id : 97103629244 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The SDG India Index (2020-21) for measuring progress of states and union territories was developed by

Options :

1. ✖ ICMR

2. ✔ NITI Ayog

3. ✖ MHRD

4. ✖ RBI

Question Number : 57 Question Id : 97103629245 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Activities that are harmful to humans and environment like excessive ground water abstraction are called

Options :

1. ✔ Anthropogenic activities

2. ✖ Agri-farm activities

3. ✖ Rain forest exploration

4. ✖ Cloud seeding activities

Question Number : 58 Question Id : 97103629246 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 secondary air pollutant

Options :

1. ✖ Sulfur dioxide

2. ✖ Suspended Particulate Matter (SPM)

3. ✖ Methene

4. ✔ Sulphuric Acid

Question Number : 59 Question Id : 97103629247 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

The harmful pollutant released by petrol/diesel vehicles is

Options :

1. ✖ Carbon Dioxide

2. ✖ Ozone

3. ✔ Carbon Monoxide

4. ✖ Nitrogen Oxide

Question Number : 60 Question Id : 97103629248 Display Question Number : Yes Is Questi

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

The measurement unit dB is used to measure the level of _____ pollution

Options :

1. ✖ Air

2. ✖ Water

3. ✔ Soil

4. ✖ Noise

Question Number : 61 Question Id : 97103629249 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 expansion for the acronym SPM in the context of pollution?

Options :

1. ✖ Surface Particle Matter

2. ✔ Suspended Particulate Matter

3. ✖ Stagnated Particulate Matter

4. ✖ Structured Polluted Material

Question Number : 62 Question Id : 97103629250 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The dB of normal conversation is

Options :

1. ✖ 30

2. ✖ 10

3. ✖ 120

4. ✔ 60

Question Number : 63 Question Id : 97103629251 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 sectors does not cause soil pollution?

Options :

1. ✖ Agriculture

2. ✖ Road transport

3. ✖ Thermal power plants

4. ✔ Hydropower plants

Question Number : 64 Question Id : 97103629252 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Disruption of sleeping pattern, known as insomnia is attributable to _____ pollution

Options :

1. ✖ Water

2. ✔ Noise

3. ✖ Air

4. ✖ Soil

Question Number : 65 Question Id : 97103629253 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The renowned Taxila university flourished during the empire of

Options :

1. ✖ Vikramaditya

2. ✖ Chola

3. ✔ Mourya

4. ✖ Pallava

Question Number : 66 Question Id : 97103629254 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The ancient fundamental text Yoga Sutras was authored by

Options :

1. ✖ Chanakya

2. ✖ Tadhagatha

3. ✖ Bhatti

4. ✔ Pathanjali

Question Number : 67 Question Id : 97103629255 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 an important provision in the India's New Education Policy 2020

Options :

1. ✖ Teaching all courses in mother tongue

2. ✖ Teaching all courses in English language only

3. ✔ Admissions into Universities across the country through a common entrance test

4. ✖ All higher educational institutions be owned by Government

Question Number : 68 Question Id : 97103629256 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Funding for social science research exclusively in India is facilitated by the following organization

Options :

1. ✖ UGC

2. ✖ ICMR

3. ✖ CSIR

4. ✔ ICSSR

Question Number : 69 Question Id : 97103629257 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The University Grants Commission of India was formed basing on the recommendations of

Options :

1. ✔ Radhakrishnan Commission

2. ✖ Sam Pitroda Commission

3. ✖ Kothari Commission

4. ✖ Sri Krishna Commission

Question Number : 70 Question Id : 97103629258 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 subject deals with the study of past events and human affairs ?

Options :

1. ✖ Psychology

2. ✖ Vedic studies

3. ✔ History

4. ✖ Law

GEOLOGY

Section Id :	971036416
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 : 97103629259 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 biggest planet in our solar system?

Options :

1. ✖ Mars

2. ✖ Saturn

3. ✔ Jupiter

4. ✖ Venus

Question Number : 72 Question Id : 97103629260 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Essential composition of stony iron meteorites is

Options :

1. ✔ Silicates + Ni – Fe – Alloy + Tracer of Fe – sulphides

2. ✖ C + N + Al +O

3. ✖ Ilmenite + armalcolite + Ulvospinel

4. ✖ Iron + Ni + P + C

Question Number : 73 Question Id : 97103629261 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A Geoid is

Options :

1. ✖ Shape in purposes of constructing coordinates

2. ✖ Three dimensional representation of refraction indices

3. ✔ Gravity model

4. ✖ Stress ellipsoid

Question Number : 74 Question Id : 97103629262 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The outer core of the Earth is

Options :

1. ✖ Solid

2. ✔ liquid

3. ✖ Gas

4. ✖ Semi plastic

Question Number : 75 Question Id : 97103629263 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Maximum magnetic field intensity is at _____

Options :

1. ✔ Poles

2. ✖ Equator

3. ✖ $N30^0$ Latitude

4. ✖ $S30^0$ Latitude

Question Number : 76 Question Id : 97103629264 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 rock has more quartz content?

Options :

1. ✔ Arenite

2. ✖ Greywacke

3. ✖ Arkose

4. ✖ Lithic Arenite

Question Number : 77 Question Id : 97103629265 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Match the following:

a) Quartz	A. Pyroelectric
b) Tourmaline	B. Isometric
c) Garnet	C. Piezoelectric
d) Gypsum	D. Biaxial

Options :

1. ✖ a – B, b – C, c – D, d – A

2. ✔ a – C, b – A, c – B, d – D

3. ✖ a – A, b – B, c – C, d – D

4. ✖ a – D, b – C, c – B, d - A

Question Number : 78 Question Id : 97103629266 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 world's largest barytes deposit

Options :

1. ✖ Dwaraka Tirumala

2. ✖ Vinukonda

3. ✖ Obulapuram

4. ✔ Mangampeta

Question Number : 79 Question Id : 97103629267 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Point bar deposits are associated with

Options :

1. ✖ Youth stage

2. ✔ Mature stage

3. ✖ Old stage

4. ✖ At river mouth

Question Number : 80 Question Id : 97103629268 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Tummalapalle mineral deposit is _____ deposit

Options :

1. ✖ Copper

2. ✖ Iron

3. ✔ Uranium

4. ✖ Zinc

Question Number : 81 Question Id : 97103629269 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The discontinuity between outer core and mantle is

Options :

1. ✖ Conrad

2. ✖ Mohorvicic

3. ✖ Repetti

4. ✔ Gutenberg

Question Number : 82 Question Id : 97103629270 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the recumbent folds, the axial plane is

Options :

1. ✔ Horizontal

2. ✖ Vertical

3. ✖ Inclined

4. ✖ No axial plane

Question Number : 83 Question Id : 97103629271 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the strike slip fault, net slip is equal to

Options :

1. ✖ Zero

2. ✖ Dip slip

3. ✔ Strike slip

4. ✖ One

Question Number : 84 Question Id : 97103629272 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In General Joints associated with continental basalts are

Options :

1. ✖ Conjugate joints

2. ✖ Extension

3. ✖ Shear

4. ✔ Columnar

Question Number : 85 Question Id : 97103629273 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which material has a tendency to fracture with little or no plastic deformation?

Options :

1. ✖ Ductile

2. ✔ Brittle

3. ✖ Plastic

4. ✖ Elastic

Question Number : 86 Question Id : 97103629274 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The gravitation pull effect of moon on Earth creates

Options :

1. ✔ Tides

2. ✖ Along shore currents

3. ✖ Offshore currents

4. ✖ Waves

Question Number : 87 Question Id : 97103629275 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 factor is not caused for increase of salinity in sea water?

Options :

1. ✖ Carbonates consumption by organisms in sea

2. ✖ Evaporation

3. ✔ Precipitation

4. ✖ Run off from the land

Question Number : 88 Question Id : 97103629276 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 nearest Atmospheric layer to the Earth?

Options :

1. ✖ Mesosphere

2. ✖ Stratosphere

3. ✖ Exosphere

4. ✔ Troposphere

Question Number : 89 Question Id : 97103629277 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 responsible for sea level changes?

Options :

1. ✖ Melting of ice at polar region

2. ✖ Evaporation

3. ✖ Water warming

4. ✔ Change of Water storage on land

Question Number : 90 Question Id : 97103629278 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 EL. Nino

Options :

1. ✖ Brings good rainfall in India

2. ✔ Weakening monsoon winds and dry weather in India

3. ✖ Warming of waters in the Pacific Ocean

4. ✖ Pressure on Landmass of India is more than on the Indian Ocean

Question Number : 91 Question Id : 97103629279 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 a mineral conservation method?

Options :

1. ✖ Mineral substitution

2. ✖ Upgradation of low grade ores

3. ✖ Blending of low grade with high grade ore

4. ✔ Keeping mineral deposit without utilization

Question Number : 92 Question Id : 97103629280 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The important cause for Tsunami is

Options :

1. ✖ Climatic change

2. ✔ Earthquake in sea bottom

3. ✖ Cyclones

4. ✖ Landslides

Question Number : 93 Question Id : 97103629281 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 inorganic fuel?

Options :

1. ✖ Coal

2. ✖ Coal Bed Methane

3. ✖ Petroleum and Natural gas

4. ✔ Nuclear elements

Question Number : 94 Question Id : 97103629282 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Land subsidence is because of

Options :

1. ✖ Open cast Mining

2. ✖ Agricultural activities

3. ✔ Underground mining

4. ✖ Surface run off

Question Number : 95 Question Id : 97103629283 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Global warming is due to

Options :

1. ✖ Usage of nuclear fuels

2. ✖ Usage of solar energy

3. ✔ Usage of fossil fuels

4. ✖ Usage of Geothermal energy

Question Number : 96 Question Id : 97103629284 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 lattice of cubic systems?

Options :

1. ✖ Primitive

2. ✖ Body centered

3. ✖ Face centered

4. ✔ Basis face centered

Question Number : 97 Question Id : 97103629285 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 early formed mineral in the discontinuous Bowen's reaction series in silicate melt?

Options :

1. ✖ Anorthite

2. ✖ Albite

3. ✔ Olivine

4. ✖ Quartz

Question Number : 98 Question Id : 97103629286 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 product of high grade metamorphism of pelitic rocks?

Options :

1. ✖ Charnockite

2. ✔ Khondalite

3. ✖ Quartzite

4. ✖ Amphibolites

Question Number : 99 Question Id : 97103629287 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 half life period of C^{14} ?

Options :

1. ✖ 6500 years

2. ✖ 14000 years

3. ✖ 8200 years

4. ✔ 5730 years

Question Number : 100 Question Id : 97103629288 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In common magmas, ions with ionic potential range of 0.6 – 2.5 will occur as

Options :

1. ✖ Either free or complex ions

2. ✖ Complex ions only

3. ✔ Free ions only

4. ✖ Neither Free nor complex ions

Question Number : 101 Question Id : 97103629289 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 correct regarding sea water?

Options :

1. ✔ $Na > Mg > Ca$; $Cl > SO_4 > CO_3$

2. ✖ $Mg > Na > Ca$; $SO_4 > Cl > CO_3$

3. ✖ $Ca > Mg > Na$; $CO_3 > SO_4 > Cl$

4. ✖ $Mg > Ca > Na$; $CO_3 > Cl > SO_4$

Question Number : 102 Question Id : 97103629290 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 Magma will generate along Mid – Oceanic ridges ?

Options :

1. ✔ Basaltic Magmas

2. ✖ Alkaline Magmas

3. ✖ Granitic magmas

4. ✖ Ultra basic Magma

Question Number : 103 Question Id : 97103629291 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Quartz – Tridamite - Cristabolite series are

Options :

1. ✖ Dimorphs

2. ✖ Isomorphs

3. ✔ Polymorphs

4. ✖ Psuedomorphs

Question Number : 104 Question Id : 97103629292 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Faults associated with mid oceanic ridges

Options :

1. ✖ Strike slip faults

2. ✔ Transform faults

3. ✖ Thrust faults

4. ✖ Dip slip faults

Question Number : 105 Question Id : 97103629293 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Stress in proportional to strain is called

Options :

1. ✖ Stroke's law

2. ✖ Kepler's law

3. ✖ Newton's law

4. ✔ Hooke's law

Question Number : 106 Question Id : 97103629294 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If intermediate & least principle stress axes are horizontal and greatest principle stress axis is vertical normal faults make an angle with greatest principle axis is

Options :

1. ✖ 15^0

2. ✖ 30^0

3. ✖ 45^0

4. ✔ 60^0

Question Number : 107 Question Id : 97103629295 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 tectonites represent foliation planes only?

Options :

1. ✖ B – tectonites

2. ✔ S - tectonites

3. ✖ L – tectonites

4. ✖ LS – tectonites

Question Number : 108 Question Id : 97103629296 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 oldest super continent?

Options :

1. ✖ Eurasia land

2. ✖ Gondwana Land

3. ✔ Pangea

4. ✖ Panthalasa

Question Number : 109 Question Id : 97103629297 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Polymetallic nodules will form on which parts of ocean

Options :

1. ✖ Continental shelf

2. ✖ Continental slope

3. ✖ Near shore

4. ✔ Abyssal plain

Question Number : 110 Question Id : 97103629298 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Age of Last glacial Maxima (LGM) is

Options :

1. ✖ 15000 years

2. ✖ 8000 years

3. ✔ 20000 years

4. ✖ 60000 years.

Question Number : 111 Question Id : 97103629299 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Beaches are formed due to the action of

Options :

1. ✖ Wind

2. ✔ Marine waves and currents

3. ✖ Fluvial

4. ✖ Gravity

Question Number : 112 Question Id : 97103629300 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Deep ocean sediments contain

Options :

1. ✖ Pebbles and cobbles

2. ✖ Coarse sands

3. ✔ Clays

4. ✖ Silty sands

Question Number : 113 Question Id : 97103629301 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Atlantic ocean is formed during

Options :

1. ✖ Precambrian period

2. ✔ Jurassic period

3. ✖ Holocene period

4. ✖ Palaeozoic era

Question Number : 114 Question Id : 97103629302 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 mass extinction period in the earth history?

Options :

1. ✖ Cretaceous – tertiary

2. ✖ Triassic - Jurassic

3. ✖ Permian – Traissic

4. ✔ Archean – Precambrian

Question Number : 115 Question Id : 97103629303 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Micro fossils study in petroleum exploration is for

Options :

1. ✔ Age determination

2. ✖ For understanding of structure

3. ✖ Climatic conditions

4. ✖ Lithology

Question Number : 116 Question Id : 97103629304 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The age of trilobites is

Options :

1. ✖ Triassic

2. ✔ Palaeozoic

3. ✖ Jurassic

4. ✖ Cretaceous

Question Number : 117 Question Id : 97103629305 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The following foraminiferal species is existing near the surface of Open Ocean

Options :

1. ✖ Tentularia

2. ✖ Orbitoline

3. ✔ Globigerina

4. ✖ Nodosaria

Question Number : 118 Question Id : 97103629306 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 gastropod has elongate shells, highly sculptured with spines and fronds?

Options :

1. ✖ Cyprea

2. ✔ Murex

3. ✖ Cerithium

4. ✖ Cirrus

Question Number : 119 Question Id : 97103629307 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 high rank coal?

Options :

1. ✔ Anthracite

2. ✖ Bituminous

3. ✖ Peat

4. ✖ Lignite

Question Number : 120 Question Id : 97103629308 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which pair of elements typically have similar ionic radii?

Options :

1. ✖ Na and K

2. ✖ Na and Cl

3. ✔ Na and Mg

4. ✖ Na and F

Question Number : 121 Question Id : 97103629309 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 mineral is stable, if pH is greater than 8 and Eh is + 0.1 ?

Options :

1. ✖ Pyrite

2. ✖ Siderite

3. ✔ Hematite

4. ✖ Limonite

Question Number : 122 Question Id : 97103629310 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

The process of formation of placer deposits is

Options :

1. ✖ Residual concentration

2. ✔ Mechanical disintegration

3. ✖ Hydrothermal process

4. ✖ Oxidation and supergene enrichment

Question Number : 123 Question Id : 97103629311 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Petroleum reservoir rocks should contain

Options :

1. ✔ More porosity and more permeability

2. ✖ Less porosity

3. ✖ Less porosity and less permeability

4. ✖ Non-porous rock

Question Number : 124 Question Id : 97103629312 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 mineral is source for nuclear fuels?

Options :

1. ✔ Monazite

2. ✖ Apatite

3. ✖ Epidote

4. ✖ Augite

Question Number : 125 Question Id : 97103629313 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

Match the following

A) Chalcopyrite	1. $BaSO_4$
B) Baryte	2. Cu FeS_2
C) Ilmenite	3. Pb S
D) Galena	4. $FeTiO_3$

Options :

1. ✔ A – 2, B – 1, C – 4, D – 3

2. ✖ A – 3, B – 1, C – 2, D – 4

3. ✖ A – 1, B – 2, C – 3, D – 4

4.

✖ A – 4, B – 3, C – 2, D – 1

Question Number : 126 Question Id : 97103629314 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 cataclastic ?

Options :

1. ✖ Slump breccia

2. ✖ Fault breccia

3. ✖ Solution breccia

4. ✔ Volcanic breccia

Question Number : 127 Question Id : 97103629315 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 chemical structure

Options :

1. ✖ Cross bedding

2. ✖ Laminations

3. ✖ Casts and moulds

4. ✔ Stylolites

Question Number : 128 Question Id : 97103629316 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The equivalent of Chronostratigraphy unit "series" is

Options :

1. ✖ Era

2. ✔ Epoch

3. ✖ Period

4. ✖ Phase

Question Number : 129 Question Id : 97103629317 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Cretaceous rocks in India exists in

Options :

1. ✔ Tiruchunapalli

2. ✖ Spiti

3. ✖ Kutch

4. ✖ Talchir

Question Number : 130 Question Id : 97103629318 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Age, Epoch and period units are used is

Options :

1. ✖ Biostratigraphy

2. ✔ Geochronostratigraphy

3. ✖ Pedostratigraphy

4. ✖ Lithostratigraphy

Question Number : 131 Question Id : 97103629319 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

New crust will generate along

Options :

1. ✔ Divergent plate boundaries

2. ✖ Convergent boundaries

3. ✖ Triple Junctions

4. ✖ Benioff zone

Question Number : 132 Question Id : 97103629320 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The nature of early oceans of the Earth is

Options :

1. ✔ More acidic

2. ✖ Basic

3. ✖ Neutral

4. ✖ Slightly acidic

Question Number : 133 Question Id : 97103629321 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What are invariable primary elements in the biosphere?

Options :

1. ✖ Na, Mg, S, Ca, K

2. ✔ H, C, N, O, P

3. ✖ Be, Al, Cr

4. ✖ Ti, V, Br, He

Question Number : 134 Question Id : 97103629322 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 oldest granite ?

Options :

1. ✔ Singhbhum granite

2. ✖ Erinpura granite

3. ✖ Close pet granite

4. ✖ Chamundi granite

Question Number : 135 Question Id : 97103629323 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 proterozoic basin?

Options :

1. ✖ Cudappah

2. ✖ Vindhyan

3. ✖ Kaladgi

4. ✔ Gondwana

Question Number : 136 Question Id : 97103629324 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Middle Siwalik sediments are deposited in the environment

Options :

1. ✔ Marshy environment

2. ✖ Fluvial environment

3. ✖ Lacustrine environment

4. ✖ Fluvial glacial environment

Question Number : 137 Question Id : 97103629325 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 evidence of neotectonic activity?

Options :

1. ✖ Off streaming

2. ✖ Disrupted terraces

3. ✖ Truncated saddles

4. ✔ Widening of river channel

Question Number : 138 Question Id : 97103629326 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The best method of determination of age of sediments.

Options :

1. ✖ U – Pb method

2. ✔ Thermoluminescence

3. ✖ K – Ar method

4. ✖ Rb – Sr method

Question Number : 139 Question Id : 97103629327 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which stratigraphic method is useful to establish basalts of ocean stratigraphy flow?

Options :

1. ✖ Bio stratigraphy

2. ✖ Lithostratigraphy

3. ✔ Magneto stratigraphy

4. ✖ Event stratigraphy

Question Number : 140 Question Id : 97103629328 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

At surface or near surface of the Earth consisting of hardened accumulation SiO_2 (silica) is

Options :

1. ✖ Ferricrete

2. ✔ Silcrete

3. ✖ Calcrete

4. ✖ Discrete

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