

TS SET

Question Paper Name :	ENVIRONMENTAL SCIENCES 6th July 2019 Shift2 Set1
Subject Name :	ENVIRONMENTAL SCIENCES
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Teaching and Research Aptitude

Group Number :	1
Group Id :	552131205
Group Maximum Duration :	60
Group Minimum Duration :	60
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Teaching and Research Aptitude

Section Id :	552131205
Section Number :	1

Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	42
Number of Questions to be attempted :	42
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	5521311357
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 55213115580 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Main purpose of giving home work is that the students

విద్యార్థులకు ఇంటిపని ఇవ్వడం యొక్క ముఖ్యోద్దేశ్యం

Options :

Remain busy at home.

ఇంటి వద్దే పనిలో నిమగ్నమై ఉండడానికి

55213161201.

Study at home.

ఇంటి వద్దే చదువుకోవడానికి

55213161202.

Their progress can be enhanced.

ప్రగతిని పెంపొందించవచ్చును

55213161203.

Develop the habit of self study.

స్వీయ అధ్యయన అలవాటును పెంపొందించడానికి

55213161204.

Question Number : 2 Question Id : 55213115581 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

From the list given below identify the learner characteristics which would least facilitate teaching-learning system to become effective.

క్రింది వానిలో అభ్యాసకుని లక్షణాలకు సంబంధించి బోధనాభ్యసన ప్రక్రియను మెరుగుపరచడంలో అతి తక్కువ ప్రాధాన్యత గల అంశం

Options :

Prior experience of learner

అభ్యాసకుని గత అనుభవం

55213161205.

Learner's family lineage

అభ్యాసకుని కుటుంబ వారసత్వ నేపథ్యం

55213161206.

Aptitude of the learner

అభ్యాసకుని సహజ సామర్థ్యం

55213161207.

Learner's stage of development

అభ్యాసకుని వికాస దశ

55213161208.

Question Number : 3 Question Id : 55213115582 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

On the basis of summative tests, a teacher is interpreting students, performance in terms of their wellness life style evident in behaviour. This will be called:

సమాకలన మూల్యాంకన పరీక్షల ఫలితాల ఆధారంగా ఒక ఉపాధ్యాయుడు విద్యార్థుల యొక్క ప్రవర్తనలో కనిపించే ఆరోగ్యకరమైన జీవన విధానం నిష్పాదనను వ్యాఖ్యానించడాన్ని ఇలా పేర్కొనవచ్చును.

Options :

Continuous and comprehensive evaluation

నిరంతర సమగ్ర మూల్యాంకనం

55213161209.

Norm - referenced testing

ప్రమాణ ఆధారిత పరీక్ష

55213161210.

Criterion - referenced testing

క్రైటీరియన్ - రిఫెరెన్స్ డ్ టెస్టింగ్

55213161211.

Formative testing

రూపణ పరీక్ష

55213161212.

Question Number : 4 Question Id : 55213115583 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

A teacher shall inculcate social and moral values among students effectively by

విద్యార్థులలో సామాజిక మరియు నైతిక విలువలను పెంపొందించుటకు ఉపాధ్యాయులు క్రింది విధంగా ప్రభావితం చేయవచ్చు.

Options :

Delivering lectures on values

విలువలపై ఉపన్యాసం ఇవ్వడం

55213161213.

Showing TV programmes

టీ.వి. కార్యక్రమాలు చూపించడం

55213161214.

Involving students actively in co-curricular activities

విద్యార్థులను సహపాఠ్య కార్యక్రమాల్లో భాగస్వాములను చేయడం

55213161215.

Observing religious festivals

మతపరమైన పండుగలు జరుపడం

55213161216.

Question Number : 5 Question Id : 55213115584 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which of the following doesn't belong to key behaviour in effective teaching?

క్రిందివానిలో ప్రభావవంతమైన బోధనకు సంబంధించి మూల ప్రవర్తనకు చెందనిది.

Options :

55213161217.

Instructing students to copy from black board

విద్యార్థులను నల్లబల్ల చూపి రాసుకోమనడం

Instructional variety

బోధనలో వైవిధ్యం

55213161218.

Questioning

ప్రశ్నించడం

55213161219.

Using student ideas and contribution

విద్యార్థుల ఆలోచనల్ని వారి సహకారాన్ని వినియోగించడం

55213161220.

Question Number : 6 Question Id : 55213115585 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Which of the following research types focuses on addressing an immediate problematic situation?

ఈ క్రింది ఏ పరిశోధనా రకం అప్పటికప్పుడే సమస్య పరిష్కారానికి దోహదపడును.

Options :

Applied Research

అనువర్తిత పరిశోధన

55213161221.

Action Reserach

చర్యాత్మక పరిశోధన

55213161222.

Experimental Research

ప్రయోగాత్మక పరిశోధన

55213161223.

Fundamental Research

ప్రాథమిక పరిశోధన

55213161224.

Sub-Section Number :

2

Sub-Section Id :

5521311358

Question Shuffling Allowed :

Yes

Question Number : 7 Question Id : 55213115586 Question Type : MCQ Option Shuffling : No Is

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which of the following doesn't affect research ethics?

క్రింది వానిలో ఏది పరిశోధనలో నైతికతపై ప్రభావం చూపదు

Options :

Faulty research design

లోపభూయిష్టమైన పరిశోధనా నమూనా

55213161225.

Choice of sampling technique

ప్రతిచయన పద్ధతి ఎంపిక

55213161226.

55213161227.

Reporting of research findings

పరిశోధనా ఫలితాలను నివేదించడం

Inaccurate application of statistical techniques

సాంఖ్యిక శాస్త్రపద్ధతులను సరియైన పద్ధతిలో ఉపయోగించకపోవుట

55213161228.

Sub-Section Number :

3

Sub-Section Id :

5521311359

Question Shuffling Allowed :

Yes

Question Number : 8 Question Id : 55213115587 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which of the following reporting format is formally prescribed?

క్రింది వానిలో ఏ నివేదన నమూనా (Reporting Format) ను అధికారికంగా సూచించెదరు?

Options :

Doctoral level thesis

పరిశోధనస్థాయి (డాక్టరేట్ లెవల్) సిద్ధాంత గ్రంథం

55213161229.

Master level thesis

మాస్టర్ లెవల్ సిద్ధాంత గ్రంథం

55213161230.

Post-graduate level dissertation

పి.జి.స్థాయి డిసర్టేషన్

55213161231.

All the above

పైవన్నీ

55213161232.

Question Number : 9 Question Id : 55213115588 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Which of the following is an initial mandatory requirement to begin research?

పరిశోధనను ప్రారంభించడానికి తప్పనిసరిగా ముందుగా కావలసినది ఏది?

Options :

Developing a research design

పరిశోధన నమూనాని రూపొందించడం

55213161233.

Formulating a research question

పరిశోధనా ప్రశ్నను రూపొందించడం

55213161234.

Deciding about the data analysis procedure

దత్తాంశ విశ్లేషణా ప్రక్రియను రూపొందించడం

55213161235.

Formulating a research hypothesis

పరిశోధన పరికల్పనలను నిర్ధారించడము

55213161236.

Question Number : 10 Question Id : 55213115589 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which of the following statements is true in the context of the testing of a hypothesis?

పరికల్పనలను పరీక్షించడానికి క్రింది వానిలో ఏ ప్రతిపాధన సరియైనది

Options :

Only the alternative hypothesis can be tested.

అల్టర్నేటివ్ పరికల్పనలను మాత్రమే పరీక్షించవచ్చు

55213161237.

Only the null hypothesis can be tested.

శూన్య పరికల్పనలను మాత్రమే పరీక్షించవచ్చు

55213161238.

Both, the alternative and the null hypotheses can be tested.

అల్టర్ నేటివ్ మరియు శూన్య పరికల్పనలను పరీక్షించవచ్చు

55213161239.

Both, the alternative and the null hypotheses cannot be tested.

అల్టర్నేటివ్ మరియు శూన్య పరికల్పనలను పరీక్షించలేము.

55213161240.

Sub-Section Number : 4

Sub-Section Id : 5521311360

Question Shuffling Allowed : No

Question Id : 55213115590 Question Type : COMPREHENSION Sub Question Shuffling Allowed

: No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :

None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression :

Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Question Numbers : (11 to 15)

Question Label : Comprehension

This episode took place in August 1950. The Cold War was in its early stages, with the two superpowers in eyeball-to-eyeball confrontation that threatened nuclear catastrophe. The People's Republic of China, which had just emerged from a bloody civil war and was seen at the time as the Soviets' closest ally, was prevented from taking its permanent seat in the UNSC because of American opposition premised on Cold War logic. Furthermore, war was raging in the Korean peninsula, with U.S. and allied troops locked in fierce combat with North Korean forces supported by China and the Soviet Union.

Nehru was trying to carve a policy that ensured India's security, strategic autonomy and state-led industrialization in these very dangerous times. He was well aware of the fact that pushing China out, as the U.S. wished to do, was a recipe for perpetual conflict that could engulf all of Asia. To him, the Korean War appeared a forerunner to more such conflagrations in Asia that could even turn nuclear. The U.S. had dropped nuclear bombs on Japan only five years ago and many observers believed it would not hesitate to do so again in an Asian conflict, especially since nuclear deterrence had not yet become a recognized reality. Nehru did not want India to get embroiled in hazardous Cold War conflicts and become a pawn in the superpowers' great game risking its own security. Nehru's approach to China was dictated by real politics and not wishful thinking. He understood that peace could not be assured in Asia without accommodating a potential great power like China and providing it with its proper place in the international system. Moreover, China was India's next-door neighbour and it was essential for New Delhi to keep relations with China on an even keel and not fall prey to the urgings of outside powers, the U.S. foremost among them, which were following their own agendas that had nothing to do with Indian security interests.

11 నుంచి 15 వరకు గల ప్రశ్నలకు సంబంధించిన పాఠ్యభాగము ఈ క్రింద ఇవ్వబడినది. దానితోపాటు 5 బహుళ బిచ్చిక ప్రశ్నలు ఇవ్వబడినవి. సరైన జవాబును ఎంచుకొని రాయండి.

1950 ఆగష్టులో ఈ సంఘటన జరిగింది. ప్రచ్ఛన్న యుద్ధం ప్రారంభ దశలో ఉన్న కాలం అది. అణు సంక్షోభం బెదిరించే ఎదురుదాడులతో రెండు అగ్ర రాజ్యాలు పోటీ పడుతున్నాయి. చైనా అప్పుడే తన రక్తపాతంతో కూడిన అంతర్యుద్ధం నుండి అవిచ్ఛిన్నంగా సోవియట్ యూనియన్ యొక్క సన్నిహిత మిత్ర రాజ్యాల సరసన నిలిచింది. ఈ కారణంగా చైనాకు UNSC లో శాశ్వత సభ్యత్వం లభించలేదు. ఎందుకంటే అమెరికా ప్రతిఘటన వలన. ఇంకా యుద్ధ భయానక వాతావరణం కోరియా ద్వీపకల్పంలో, అమెరికా సేనలు సోవియట్ యూనియన్ మద్దతు ఇచ్చే ఉత్తర కోరియా దళాలతో తీవ్ర పోరాటంలో నిమగ్నమైన స్థితి కొనసాగుతుంది.

ఈ ప్రమాదకర పరిస్థితులలో నెహ్రూ ఒక ప్రత్యేకమైన అంతర్జాతీయ సంబంధాల విధానం గురించి ఆలోచించి భారతదేశ సమగ్రత మరియు వ్యూహాత్మకత స్వయం ప్రతిపత్తిలతో కూడిన అంతర్జాతీయ విదేశీ వ్యవహారాల విధానాన్ని అనుసరించే పారిశ్రామికీకరణలను రూపొందించడానికి ప్రయత్నించాడు. చైనాను ప్రక్కన పెట్టడం వలన అన్ని ఆసియా దేశాలలో నిరంతరం జరిగే ఒక శాశ్వత వివాదానికి మందులా పనిచేస్తుందని ఆయనకి బాగా తెలుసు. కోరియా యుద్ధం అటువంటి ఆసియా దేశాలలో కూడా ఇలాంటి సంఘటనలకు దారితీసినట్లు ఆయనకి కనపడింది. U.S. ఐదు సంవత్సరాల క్రితం జపాన్ పై అణ్వయుధ బాంబును ప్రయోగించింది మరియు అణునిరోధకంలో కూడా ఇంకా గుర్తించ దగ్గ వాస్తవం కానందున, ఆసియా సంఘర్షణ వచ్చినట్లయితే U.S. అణుబాంబులు వేయవచ్చు అని పలువురు పరిశీలికులు భావిస్తున్నారు. ప్రమాదకరమైన ప్రచ్ఛన్న యుద్ధాలు లాంటి వివాదంలోకి భారతదేశం దిగడం మరియు నూపర్ ఫవర్స్ చేతిలో కీలుబొమ్మగా మారి దేశ భద్రతను ప్రమాద స్థితిలోకి నెట్టివేయటం ఆయనకి ఇష్టం లేదు.

చైనా విషయంలో నెహ్రూ అనుసరించిన విదేశీ విధానం నిజమైన రాజకీయ చతురతతో కూడినదే గాని ఇచ్చానుసారంగా తీసుకున్న నిర్ణయం కాదు. చైనా వంటి శక్తివంతమైన దేశానికి గొప్ప అధికారాన్ని కల్పించకుండా, అంతర్జాతీయ వ్యవస్థలో దానికి సరైన స్థానాన్ని అందించకుండా ఆసియా ఖండంలో శాంతి భద్రతలు కల్పించలేమని ఆయన అర్థం చేసుకున్నారు. అంతేకాక చైనా భారతదేశం యొక్క పొరుగు దేశం. చైనాతో సంబంధాలను కొనసాగించడానికి న్యూఢిల్లీకి కూడా ఇది అవసరం. ఇలాంటి పరిస్థితులలో అమెరికా ఇతర రాజ్యాల అధికారాలు పరిగణనలోకి తీసుకోకుండా భారతదేశ భద్రతకు సంబంధించిన విషయాలతో సంబంధం లేకుండా తన సొంత ఆజెండాను పాటిస్తుంది.

Sub questions

Question Number : 11 Question Id : 55213115591 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

According to the above passage, which one of the following lines is correct?

పైన ఇచ్చిన పాఠ్యభాగం ప్రకారం ఈ క్రింది వాటిలో ఏది సరైనది?

Options :

Nehru tried to elude the Cold War clash to show his identity and become a pawn in the political supremacy game.

తన గుర్తింపును ప్రదర్శించేందుకు మరియు రాజకీయ అధిపత్యం కోసం ఒక కీలుబొమ్మగా మారడం అనే కోల్డ్ వార్ ను నెహ్రూ ఎప్పుడూ సమర్థించలేదు.

55213161241.

Nehru never tried India to get involved in treacherous Cold War fight because of fear of War.

యుద్ధ భయం వలన నెహ్రూ ఎప్పుడూ భారత్ ను కోల్డ్ వార్ లో పాల్గొనడాన్ని సమర్థించలేదు.

55213161242.

Nehru's endeavor is to become closer with US as it is the superpower in the World and he did not want to disturb the big counties in Cold War clash.

అమెరికా ప్రపంచంలో ఒక అగ్రరాజ్యంగా ఎదగడం వలన దానికి సన్నిహితంగా ఉండి మరియు కోల్డ్ వార్ సంఘర్షణలో అగ్రరాజ్యాల మధ్య శాంతిని భంగపరచడం నెహ్రూకి ఇష్టపడలేదు.

55213161243.

Nehru never desired India to get in risky Cold War clash and become a puppet among the counties who fight for a supremacy position.

భారతదేశం ప్రమాదకరమైన కోల్డ్ వార్ సంఘర్షణలో చిక్కుకోవడం మరియు ఒక అధిపత్య స్థానం కోసం పోరాడే దేశాల చేతిలో కీలుబొమ్మగా మారడం నెహ్రూకు ఇష్టం లేదు.

55213161244.

Question Number : 12 Question Id : 55213115592 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The paragraph suggests that Jawaharlal Nahru was a _____

పై పాఠ్య భాగాన్ని అనుసరించి జవహర్ లాల్ నెహ్రూ ఒక _____

Options :

55213161245.

Sinner

పాపి

Great politician

ఒక గొప్ప రాజకీయవేత్త

55213161246.

Cowardice

పిరికివాడు

55213161247.

Good policy maker

మంచి విధానాల రూపకర్త

55213161248.

Question Number : 13 Question Id : 55213115593 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The Cold War was a period of geopolitical tension between _____

కోల్డ్వార్ యొక్క భౌగోళిక ఉద్రిక్తత కాలం _____

Options :

The Soviet Union with its satellite states and London after World War II

రెండవ ప్రపంచ యుద్ధం తర్వాత లండన్ పరిస్థితి మరియు సోవియట్ యూనియన్ దాని ఉపగ్రహ రాష్ట్రాల పరిస్థితి

55213161249.

The People's Republic of China with its satellite states and the United States after the First World War

మొదటి ప్రపంచ యుద్ధం తర్వాత చైనా దాని ఉపగ్రహ రాష్ట్రాలు మరియు అమెరికా పరిస్థితి

55213161250.

55213161251.

The Soviet Union with its satellite states and the United States after World War II

రెండవ ప్రపంచ యుద్ధం తర్వాత అమెరికా పరిస్థితి మరియు సోవియట్ యూనియన్ దాని ఉపగ్రహ రాష్ట్రాల పరిస్థితి

The People's Republic of China and Japan with other countries and Soviet Union after World War II

రెండవ ప్రపంచ యుద్ధం తర్వాత చైనా పరిస్థితి, జపాన్ మరియు ఇతర దేశాలతో కూడిన సోవియట్ యూనియన్ పరిస్థితి

55213161252.

Question Number : 14 Question Id : 55213115594 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The United States detonated two nuclear weapons over the Japanese cities of Hiroshima and Nagasaki in _____.

అమెరికా జపాన్ నగరాలైన హిరోషిమా మరియు నాగసాకీలపై రెండు అణ్వాయుధాలను _____ ప్రయోగించింది.

Options :

55213161253. 1943

55213161254. 1944

55213161255. 1945

55213161256. 1946

Question Number : 15 Question Id : 55213115595 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Nehru favoured _____ over India for permanent membership in the UN Security Council.

UN భద్రతా మండలిలో శాశ్వత సభ్యత్వం కోసం భారతదేశాన్ని కాకుండా నెహ్రూ _____ దేశాన్ని సమర్థించారు.

Options :

U.S.

అమెరికా సంయుక్త రాష్ట్రాలు

55213161257.

China

చైనా

55213161258.

Soviet Union

సోవియట్ యూనియన్

55213161259.

Korea

కొరియా

55213161260.

Sub-Section Number : 5

Sub-Section Id : 5521311361

Question Shuffling Allowed : Yes

Question Number : 16 Question Id : 55213115596 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Communication always takes place within _____

కమ్యూనికేషన్ ఎల్లప్పుడూ _____ జరుగుతుంది.

Options :

Two persons

ఇద్దరు వ్యక్తుల మధ్య

55213161261.

A context

ఒక సందర్భంలో

55213161262.

External only

బాహ్యంగా మాత్రమే

55213161263.

Internal only

అంతర్గతంగానే

55213161264.

Question Number : 17 Question Id : 55213115597 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Any effective classroom communication must be _____

తరగతిగదిలో ఏ సమర్థవంతమైన కమ్యూనికేషన్ _____ ఉండాలి.

Options :

Syllabus centric

సిలబస్ కేంద్రంగా

55213161265.

Student centric

స్టూడెంట్ కేంద్రంగా

55213161266.

Classroom centric

క్లాస్రూమ్ కేంద్రంగా

55213161267.

Culture centric

సంస్కృతి కేంద్రంగా

55213161268.

**Question Number : 18 Question Id : 55213115598 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of these is not mandatory for effective communication?

సమర్థవంతమైన సమాచార మార్పిడికి ఈ క్రింది వాటిలో ఏది తప్పనిసరికాదు?

Options :

Understanding

అర్థం చేసుకోవడం

55213161269.

Politeness

మర్యాదపూర్వకమైన

55213161270.

Listening

వినడం

55213161271.

Ambiguity

సంధిదృత

55213161272.

Question Number : 19 Question Id : 55213115599 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Which of the following is correct?

కింది వాటిలో ఏది సరైనది?

Options :

All gestures can have same meanings in same cultures.

55213161273. సంజ్ఞలు అన్ని సంస్కృతులలో ఒకే అర్థాన్ని కలిగి ఉంటాయి.

All the gestures can't have different meanings in different cultures.

55213161274. సంజ్ఞలు అన్ని సంస్కృతులలో ఒకే అర్థాన్ని కలిగి ఉండవు.

Some gestures can have different meanings in different cultures.

55213161275. కొన్ని సంజ్ఞలు విభిన్న సంస్కృతులలో వేర్వేరు అర్థాలను కలిగి ఉంటాయి.

Some gestures can have same meanings in different cultures.

55213161276. కొన్ని సంజ్ఞలు విభిన్న సంస్కృతులలో అదే అర్థాలను కలిగి ఉంటాయి.

Question Number : 20 Question Id : 55213115600 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Match the following :

ఈ క్రింది వాటిని జతపరచండి :

List-I
జాబితా-I

1. WhatsApp
వాట్సాప్
2. Google
గుగూల్
3. Twitter
ట్విట్టర్
4. Facebook
ఫేస్బుక్

List-II
జాబితా-II

- a. Mark Zuckerberg
మార్క్ జుకర్బర్గ్
- b. Sundar Pichai
సుందర్ పిఛాయ్
- c. Jan Koum
జాన్ కామ్
- d. Jack Patrick Dorsey
జాక్ పాట్రిక్ డోర్సీ

Codes:

కోడ్స్:

Options :

55213161277. 1-d, 2-b, 3-a, 4-c

55213161278. 1-a, 2-b, 3-d, 4-c

55213161279. 1-c, 2-b, 3-d, 4-a

55213161280. 1.b, 2-a, 3-c, 4-d

Sub-Section Number :

6

Sub-Section Id :

5521311362

Question Shuffling Allowed :

Yes

Question Number : 21 Question Id : 55213115601 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Two taps 'A' and 'B' can fill a tank in 20 and 30 minutes respectively. There is an outlet 'C'. If all the 3 pipes are opened, the tank will be filled in 24 minutes. The time taken for 'C' alone to empty the full tank is (in minutes)

రెండు కుళాయిలు 'A' మరియు 'B' వరుసగా 20 మరియు 30 నిమిషాలలో తొట్టిని నింపగలవు. బయటకు వదిలే ఒక కుళాయి 'C' వుంది. మూడు కుళాయిలను ఒకేసారి తెరిస్తే తొట్టి 24 నిమిషాలలో నిండగలదు. 'C' ఒక్కటే నిండుగా నున్న తొట్టిని ఖాళీ చేయడానికి పట్టు సమయము (నిమిషాలలో)

Options :

55213161281. 22

55213161282. 24

55213161283. 25

55213161284. 28

Question Number : 22 Question Id : 55213115602 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Geetha will reach her office 15 minutes late by walking at 4 km per hour from her house. The next day she increases her speed by 2 kmph and reaches in time. Then the distance from her house to office is (in km)

గీత ఆమె ఇంటి నుంచి గంటకు 4 కి.మీ. వేగంతో నడుస్తూ 15 నిమిషాల ఆలస్యంగా తన కార్యాలయానికి చేరుకుంటుంది. మరుసటి రోజు ఆమె 2 కి.మీ. వేగాన్ని పెంచటంవల్ల సరియైన సమయానికి చేరుకుంటుంది. అప్పుడు ఆమె ఇంటి నుంచి కార్యాలయం వరకు దూరం (కిలోమీటర్లు)

Options :

55213161285. 3

55213161286. 4

55213161287. 5

55213161288. 6

Question Number : 23 Question Id : 55213115603 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

23. The price of 60 articles is Rs. 20 each. 20 articles were sold at Rs. 24 each. To get an overall profit of Rs. 5 per article, the price of the remaining articles be sold is.

60 వస్తువుల ధర ప్రతి ఒకటి రూ. 20 . 20 వస్తువులు ప్రతి ఒకటి రూ. 24 చొప్పున విక్రయించినచో, ప్రతి ఒకదానిపై రూ. 5, లాభం పొందడానికి మిగిలిన వస్తువులు ఒక్కొక్క దానిని అమ్మవలసిన ధర

Options :

55213161289.

22.5

55213161290. 24.5

55213161291. 25.5

55213161292. 28.5

Question Number : 24 Question Id : 55213115604 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

The average weight of 40 items is 15 gm. When the weight of the basket is added to the weight of balls, the average increased by 0.5 gm. Then the weight (in gm) of the basket is

40 వస్తువుల సగటు బరువు 15 గ్రాములు. బుట్ట యొక్క బరువు బంతుల బరువుకు జోడించినప్పుడు సగటు 0.5 గ్రాము పెరుగుతుంది. అప్పుడు బుట్ట యొక్క బరువు (గ్రాములలో)

Options :

55213161293. 15

55213161294. 20

25

55213161295.

40

55213161296.

**Question Number : 25 Question Id : 55213115605 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Missing group of letters in the following sequence is

కింది క్రమంలో లోపించిన అక్షరాల సమూహం
QYCD, PXEF, _____, NVIJ, MUKL

Options :

JPRI

55213161297.

QBBJ

55213161298.

RRMY

55213161299.

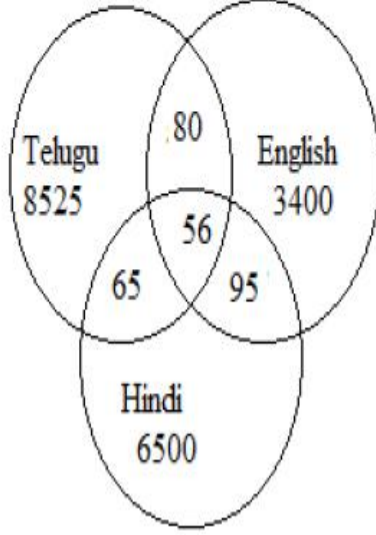
OVBH

55213161300.

**Question Number : 26 Question Id : 55213115606 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

The following venn diagram represents the number of persons who know different languages. Then the total number of persons is

కింది వెన్ రేఖాచిత్రం, వివిధ భాషలు తెలిసిన వ్యక్తుల సంఖ్యను సూచిస్తుంది. అప్పుడు మొత్తం వ్యక్తుల సంఖ్య



Options :

55213161301. 18425

55213161302. 18481

55213161303. 18721

55213161304. 18656

Question Number : 27 Question Id : 55213115607 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

The missing number in the sequence: 36, 31, 29, 24, 22, 17, 15, _____

అనుక్రమంలో లోపించిన సంఖ్య: 36, 31, 29, 24, 22, 17, 15, _____

Options :

55213161305. 13

55213161306. 12

55213161307. 11

55213161308. 10

Question Number : 28 Question Id : 55213115608 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

If 'P + Q' means 'P is the father of Q', 'P × Q' means 'P is the brother of Q'; 'P - Q' means 'P is the mother of Q', then which of the following is true about $A \times B - C + D$

'P+Q' అనగా 'P' 'Q' కి తండ్రి ; 'P×Q' అంటే 'P' 'Q' యొక్క సోదరుడు; 'P-Q' అనగా 'P' 'Q' యొక్క తల్లి'. అప్పుడు $A \times B - C + D$ కి క్రింది వాటిలో ఏది నిజం

Options :

55213161309. B is the son of A
B, A యొక్క కొడుకు

55213161310. A is the uncle of C
A, C యొక్క బాబాయి / మామ

B is the father of A

B, A యొక్క తండ్రి

55213161311.

C is the mother of B

C, B యొక్క తల్లి

55213161312.

Question Number : 29 Question Id : 55213115609 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Statements: The average number of persons per household is 5 in urban areas whereas it is 7 in rural areas. The national average is 6.

వాక్యములు: గ్రామీణ ప్రాంతాల్లో సగటున ఒక ఇంట్లో 7 మంది, పట్టణ ప్రాంతాలలో సగటున 5 మంది ఉన్నారు. జాతీయ సగటు 6.

Conclusions: I. The population per unit area in the rural areas is higher than in the urban areas.

ముగింపు: I. పట్టణ ప్రాంతాల కంటే గ్రామీణ ప్రాంతాల్లో 1 యూనిట్ జనాభా ఎక్కువగా ఉంది

II. The average number of persons per household in the rural areas is less than the urban areas.

II. గ్రామీణ ప్రాంతాల గృహం యొక్క వ్యక్తుల సగటు సంఖ్య పట్టణ ప్రాంతాల కన్నా తక్కువగా ఉంది

Options :

both I and II are true

I మరియు II ఒప్పు

55213161313.

I is true and II is false

I ఒప్పు మరియు II తప్పు

55213161314.

I is false and II is true

I తప్పు మరియు II ఒప్పు

55213161315.

both I and II are false

I మరియు II తప్పు

55213161316.

Question Number : 30 Question Id : 55213115610 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

M is brother of N, O is the father of M, P is brother of Q, and Q is daughter of N. the relation from M to Q is

M, N యొక్క సోదరుడు; O, M యొక్క తండ్రి, P, Q యొక్క సోదరుడు మరియు Q N యొక్క కుమార్తె. M నుండి Q కు సంబంధం

Options :

Mother

తల్లి

55213161317.

Father

తండ్రి

55213161318.

Uncle

బాబాయి / మామ

55213161319.

Grandson

మనవడు

55213161320.

Sub-Section Number : 7
Sub-Section Id : 5521311363
Question Shuffling Allowed : No

Question Id : 55213115611 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Question Numbers : (31 to 35)

Question Label : Comprehension

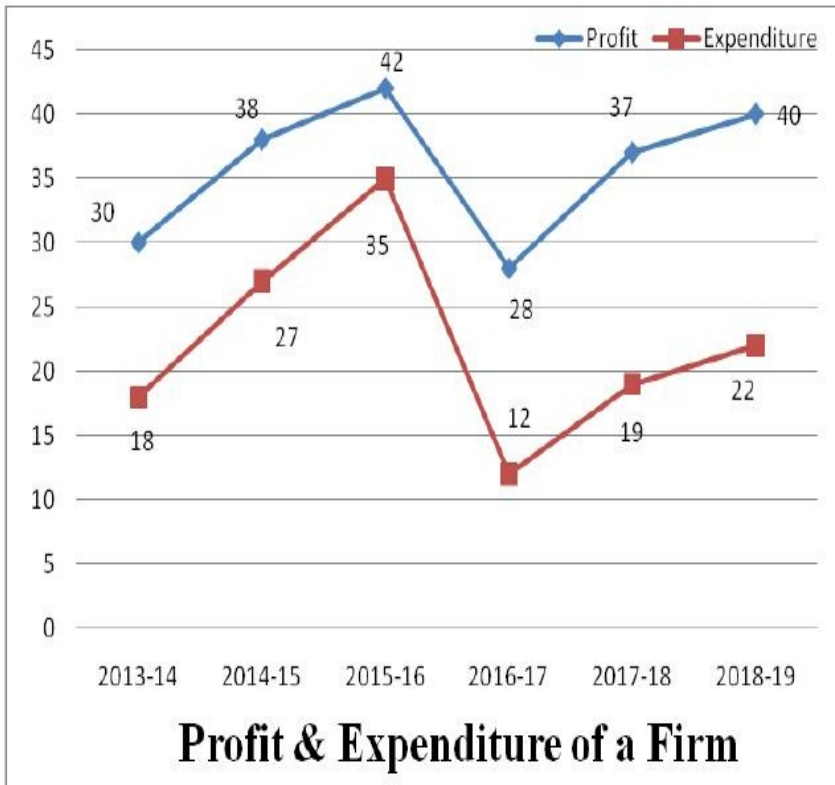
Note: The questions Q. 31 to Q. 35 are based on the following information.

గమనిక: ప్రశ్నలు Q.31 నుండి Q.35 వరకు, కింది సమాచారం ఆధారంగా ఉన్నాయి.

The total Profit and Expenditure incurred (in lakhs) by a company during the financial years 2013-19 is presented in the following graph. Assume that in each financial year,

$$\text{Income} = \text{Profit} + \text{Expenditure}$$

2013-19 ఆర్థిక సంవత్సరాలలో కంపెనీ మొత్తం లాభాలు మరియు ఖర్చులు (లక్షలలో) ఈ క్రింది రేఖాచిత్రములో ఇవ్వబడింది. ప్రతి ఆర్థిక సంవత్సరంలో, ఆదాయం = లాభం + వ్యయం అనుకోండి.



Sub questions

Question Number : 31 Question Id : 55213115612 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The total Income in the financial year 2016-17 (in lakhs) is
2016-17 ఆర్థిక సంవత్సరంలో మొత్తం ఆదాయం (లక్షలలో)

Options :

55213161321. 30

55213161322. 40

55213161323. 28

55213161324. 16

**Question Number : 32 Question Id : 55213115613 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
Yes**

Correct Marks : 2 Wrong Marks : 0

In the year 2014-15, the percentage of expenditure incurred over the income is
2014-15 సంవత్సరానికి, ఆదాయంపై వెచ్చించిన ఖర్చు శాతం__

Options :

55213161325. 28.75

55213161326. 36.25

55213161327. 28.64

38.46

55213161328.

Question Number : 33 Question Id : 55213115614 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The percentage of profit increased in 2015-16 when compared with 2013-14 is
2013-14 తో పోలిస్తే, 2015-16 లో లాభం _____ శాతం పెరిగింది.

Options :

12.0

55213161329.

28.57

55213161330.

40.0

55213161331.

32.35

55213161332.

Question Number : 34 Question Id : 55213115615 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

In the six financial years, total percentage of expenditure in the income is
ఆరు ఆర్థిక సంవత్సరాల్లో, మొత్తం ఆదాయంపై వెచ్చించిన ఖర్చు శాతం

Options :

55213161333. 38.22

55213161334. 61.78

55213161335. 61.86

55213161336. 28.75

**Question Number : 35 Question Id : 55213115616 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
Yes**

Correct Marks : 2 Wrong Marks : 0

In 2017-18, the total profit (in lakhs) is
2017-18లో మొత్తం లాభం (లక్షలలో)

Options :

55213161337. 20

55213161338. 37

55213161339. 19

55213161340.

Sub-Section Number : 8
Sub-Section Id : 5521311364
Question Shuffling Allowed : Yes

Question Number : 36 Question Id : 55213115617 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

Who invented the high level language “C”?

హైలెవ్ భాష 'C'ను కనుగొన్నది ఎవరు?

Options :

Dennis M. Ritchie

డెన్నిస్ యమ్ రిచ్చి

55213161341.

Niklaus Wirth

నికొలస్ విర్త్

55213161342.

Seymour Papert

సెమోర్ పెపరెట్

55213161343.

Donald Kunth

డొనాల్డ్ కుంత్

55213161344.

Question Number : 37 Question Id : 55213115618 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

Which of the following is a serial bus

క్రింది వాటిలో ఏది సిరియల్ బస్

Options :

55213161345. PCI

55213161346. ISA

55213161347. USB

55213161348. GPIB

Question Number : 38 Question Id : 55213115619 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

What does the acronym POP stand for?

PoP పూర్తి రూపం

Options :

55213161349. Post Officed Protocol
పోస్ట్ అఫీస్ డ్ ప్రోటోకాల్

55213161350. Post Office Protocol
పోస్ట్ ఆఫీస్ ప్రోటోకాల్

55213161351. Post Official Protocol
పోస్ట్ అఫీసియల్ ప్రోటోకాల్

55213161352. Postal Office Protocol
పోస్టల్ ఆఫీస్ ప్రోటోకాల్

**Question Number : 39 Question Id : 55213115620 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

FTP stands for

FTP అంటే

Options :

55213161353. File transport protocol
ఫైల్ ట్రాన్స్‌పార్ట్ ప్రోటోకాల్

55213161354. File transfer protocol
ఫైల్ ట్రాన్స్‌ఫర్ ప్రోటోకాల్

55213161355. File transit protocol
ఫైల్ ట్రాన్సిట్ ప్రోటోకాల్

File tracking protocol

ఫైల్ ట్రాకింగ్ ప్రోటోకాల్

55213161356.

**Question Number : 40 Question Id : 55213115621 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following is UGC initiated network of university libraries

UGC మొదలు పెట్టిన విశ్వవిద్యాలయ గ్రంథాల నెట్‌వర్కు ఈ క్రింది వాటిలో ఏది?

Options :

55213161357. [inlibnet](#)

55213161358. [infonet](#)

55213161359. [ernet](#)

55213161360. [indonet](#)

Sub-Section Number : 9

Sub-Section Id : 5521311365

Question Shuffling Allowed : Yes

**Question Number : 41 Question Id : 55213115622 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes**

Correct Marks : 2 Wrong Marks : 0

An annual event that is observed on July 11th of every year is

ప్రతి సంవత్సరం జూలై 11న జరుపుకునే వార్షిక కార్యక్రమము

Options :

World Environment Day

ప్రపంచ పర్యావరణ దినం

55213161361.

World Forest Conservation Day

ప్రపంచ అరణ్య సంరక్షణ దినము

55213161362.

World Population Day

ప్రపంచ జనాభా దినము

55213161363.

World Food Security Day

ప్రపంచ ఆహార రక్షణ దినము

55213161364.

Question Number : 42 Question Id : 55213115623 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The largest wind farm of the world is

అతిపెద్ద ప్రపంచపు గాలిసాగు కేంద్రము

Options :

Mancelona Wind Farm

మాన్సిలోన గాలిసాగు కేంద్రము

55213161365.

Ganso Wind Farm

గన్సో గాలిసాగు కేంద్రము

55213161366.

King Mountain Wind Ranch

కింగ్ మాంటెన్ గాలి రాంచ్

55213161367.

Jagur Creek Wind Farm

జాగూర్ క్రీక్ గాలిసాగు కేంద్రము

55213161368.

**Question Number : 43 Question Id : 55213115624 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following is chief pollutant of Bhadra river in Karnataka ?

కర్ణాటకలోని భద్రానది కలుషితానికి ప్రధాన కాలుష్య కారకం ఈ క్రింది వాటిలో ఏది?

Options :

Indraprastha power station effluent

ఇంద్రప్రస్థ పవర్ స్టేషన్ నుండి విడుదలయ్యే కలుషిత నీరు

55213161369.

DDT from pesticide industry

క్రిమి సంహారక పరిశ్రమ నుంచి విడుదలయ్యే DDT

55213161370.

Paper and pulp from Paper Industry

కాగిత పరిశ్రమ నుంచి విడుదలయ్యే కాగితం మరియు గుఱ్ఱు

55213161371.

Fly ash and jute from jute industry

జనప నార పరిశ్రమ నుండి విడుదలయ్యే ఎగిరే బూడిద, జనుము

55213161372.

Question Number : 44 Question Id : 55213115625 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which of the following do not support soil erosion ?

ఈ క్రింది వానిలో ఏది మృత్తిక కోతకు తోడ్పడదు?

Options :

Over grazing

అతిగా మేయుట

55213161373.

Shifting cultivation

ప్రాంతాన్ని మారుస్తూ సాగు చేయుట

55213161374.

Forestation

అడవులు పెంచుట

55213161375.

Faulty cultivation practices

లోపభూయిష్ట సాగు పద్ధతులు

55213161376.

Question Number : 45 Question Id : 55213115626 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which is a baseless belief regarding HIV transmission?

క్రింది వానిలో HIV సక్రమణపై అధారం లేని నమ్మకము ఏది?

i. Air

గాలి

ii. Infected blood

వ్యాధి సోకిన రక్తం

iii. HIV contaminated needles

HIV చే కలుషితం చెందిన సూదులు

iv. Mosquito

దోమ

Options :

55213161377. ii

55213161378. ii and iii

55213161379. iv

55213161380. i and iv

Sub-Section Number : 10

Sub-Section Id : 5521311366

Question Shuffling Allowed : Yes

Question Number : 46 Question Id : 55213115627 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Indira Gandhi National Open University (IGNOU) was established in the year

ఇందిరాగాంధీ జాతీయ సార్వత్రిక విశ్వవిద్యాలయం (IGNOU) స్థాపించిన సంవత్సరం

Options :

November 1986

నవంబర్ - 1986

55213161381.

September 1985

సెప్టెంబర్ - 1985

55213161382.

December 1987

డిసెంబర్ - 1987

55213161383.

December 1988

డిసెంబర్ - 1988

55213161384.

Question Number : 47 Question Id : 55213115628 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which of the following is **Not** a goal of higher education in India?

క్రింది వానిలో భారతదేశ ఉన్నత విద్యా లక్ష్యం కానిది ఏది?

Options :

Equity

సమానత్వం

55213161385.

Relevance

ఔచిత్యం

55213161386.

Compulsory and free education

నిర్బంధ ఉచిత విద్య

55213161387.

Value based Education

విలువల ఆధారిత విద్య

55213161388.

Question Number : 48 Question Id : 55213115629 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Value Education stands for

విలువల విద్య దేనిని నిర్దేశిస్తుంది?

Options :

Making students follow customs and traditions of the society

సామాజిక ఆచార సాంప్రదాయాలను విద్యార్థులు అనుసరించునట్లు చేయుట

55213161389.

Enhancing student employability

విద్యార్థుల ఔద్యోగిక సామర్థ్యాలను పెంపొందించడం

55213161390.

Inculcating virtues and culture to students

సద్గుణాలు మరియు సంస్కృతిని విద్యార్థులలో అలవరచడం

55213161391.

Making students to understand religious values

మత సంబంధమైన విలువలను విద్యార్థులు అవగాహన చేసుకునేట్లు చేయుట

55213161392.

Question Number : 49 Question Id : 55213115630 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The grounds on which discrimination in admission to educational institutions constitutionally not prohibited is

విద్యాసంస్థల్లో ప్రవేశానికి సంబంధించి రాజ్యాంగపరమైన నిషేధం లేని అంశం,

Options :

Religion

మతం

55213161393.

Sex

లింగం

55213161394.

Place of birth

జన్మ స్థలం

55213161395.

Nationality

జాతీయత

55213161396.

Question Number : 50 Question Id : 55213115631 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

Sam Pitroda served as:

శ్యామ్ పిత్రోడా ఏ హోదాలో పనిచేసినారు

Options :

UGC Chairman

విశ్వవిద్యాలయాల విరాళాల సంఘం అధ్యక్షులుగా

55213161397.

NKC Chairman

జాతీయ నాలెడ్జ్ సంఘం అధ్యక్షులు

55213161398.

Director – NCTE

జాతీయ ఉపాధ్యాయ విద్యా మండలి అధ్యక్షులు

55213161399.

Chairman – NCERT

జాతీయ విద్యా పరిశోధనా శిక్షణా సంస్థ అధ్యక్షులు

55213161400.

ENVIRONMENTAL SCIENCES

Group Number :	2
Group Id :	552131206
Group Maximum Duration :	120
Group Minimum Duration :	120

Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	200
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

ENVIRONMENTAL SCIENCES

Section Id :	552131206
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	96
Number of Questions to be attempted :	96
Section Marks :	200
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	5521311367
Question Shuffling Allowed :	Yes

Question Number : 51 Question Id : 55213115632 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

Name the largest solar power plant of Telangana state

Options :

55213161401. Jurala

55213161402. Ramagundam

55213161403. Dharmarao port

55213161404. Adilabad

**Question Number : 52 Question Id : 55213115633 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following is correct for the sound frequency

Options :

55213161405. Distance travelled by sound wave per cycle

55213161406. Number of cycles completed by sound wave per second

55213161407. Distance travelled by sound wave per second

55213161408. Distance travelled by sound in two second

**Question Number : 53 Question Id : 55213115634 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

EIA is not usually required for a development project when

- i. Large changes are expected in the environment
- ii. No cumulative impacts are expected
- iii. Many people's are likely to be objected by the environment

Options :

55213161409. i and ii are correct

55213161410. Only ii is correct

55213161411. ii and iii are correct

55213161412. i and iii are correct

**Question Number : 54 Question Id : 55213115635 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

In September 1994 (UN conference) some 15,000 leaders and representatives from 179 nations and nearly 1,000 NGO's met in Cairo, Egypt, and discussed the problem related to

- i. Poverty and population
- ii. Carbon and sulphur emissions
- iii. Resource and capital management
- iv. Social and cultural modernisation

The correct answer is

Options :

55213161413. ii only

55213161414. iii and iv only

55213161415. ii and iv only

55213161416. i only

Question Number : 55 Question Id : 55213115636 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Phytoremediation can be divided in to four processes, they are

List-I

1. Phytoextraction
2. Phytodegradation
3. Phytovolatalisation
4. Phytostabilisation

List-II

- a. The transformation of one species of molecules in to a less toxic species are the reduction of mobility
- b. The evaporation of pollutants in to the atmosphere
- c. The removal of contaminants and metals from the soil and their storage in the plant
- d. The uptake and degradation of organic compounds

Codes:

Options :

55213161417. 1-b, 2-a, 3-d, 4-c

55213161418. 1-c, 2-d, 3-b, 4-a

55213161419. 1-d, 2-c, 3-a, 4-b

55213161420. 1-b, 2-c, 3-d, 4-a

Question Number : 56 Question Id : 55213115637 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which of the following statements are true?

- i. Neither species is affected by other species – Neutralism
- ii. One species benefits from the interaction and there is no effect on the other species – commensalism
- iii. One species is advantaged where as other is un effected- Amenalism
- iv. Both species benefit from the interaction – Mutualism
- v. One species benefits where as the other species is disadvantaged-Predition

Codes:

Options :

55213161421. **i, ii, iii, iv**

55213161422. **i, ii, iv, v**

55213161423. **iii, iv, v**

55213161424. **i, ii, iv, v**

Question Number : 57 Question Id : 55213115638 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Assertion (A): Biotechnology can have a major impact on the development and implementation of sustainable technology and its influence will be mainly

Reason(R): (i) Provision of bulk and fine chemicals, (ii) Industrial processes and clean technology, (iii) Energy supply (iv) Waste treatment and bioremediation (v) Environmental monitoring (vi) Agriculture

Codes:

Options :

55213161425. **Both (A) and (R) are true and (R) is correct explanation of (A)**

55213161426. Both (A) and (R) are true and (R) is not correct explanation of (A)

55213161427. (A) is true, but (R) is false

55213161428. (A) is false, but (R) is true

**Question Number : 58 Question Id : 55213115639 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

The sources and effects of inorganic contaminants

Contaminant	Effects
1. Asbestos	a. Increased blood cholesterol, decreased in blood sugar
2. Cadmium	b. Increased risk of cancer
3. Antimony	c. Nerve damage, thyroid problems
4. Cyanide	d. Kidney damage

Codes:

Options :

55213161429. 1-d, 2-c, 3-b, 4-a

55213161430. 1-c, 2-d, 3-a, 4-b

55213161431. 1-b, 2-a, 3-d, 4-c

55213161432. 1-b, 2-d, 3-a, 4-c

**Question Number : 59 Question Id : 55213115640 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum**

**Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Examples of bioindicators

Organism	Pollutant
1. Earthworms (<i>Eisenia fetida</i>)	a. Heavy metals
2. Dab (<i>Limanda limanda</i>)	b. 2, 4, 6-trinitrotoluene(TNT)
3. Semaphore crab (<i>Heloecius cordiformis</i>)	c. DDT
4. Lichens	d. Air pollution

Codes:

Options :

55213161433. 1-c, 2-d, 3-a, 4-b

55213161434. 1-d, 2-c, 3-b, 4-a

55213161435. 1-b, 2-c, 3-a, 4-d

55213161436. 1-b, 2-d, 3-a, 4-c

**Question Number : 60 Question Id : 55213115641 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Industrial sites and contaminants:

Industry	Contaminants
1. Petrochemical	a. Organic compounds, Chloro-phenols, Solvents
2. Energy	b. Metals, Methane, micro-organisms
3. Water supply and sewage	c. Hydrocarbons, Phenols, acids, alkali
4. Chemical	d. Phenols, cyanides, sulphur compounds

Codes:

Options :

55213161437. 1-c, 2-d, 3-b, 4-a

55213161438. 1-d, 2-a, 3-b, 4-c

55213161439. 1-d, 2-c, 3-b, 4-a

55213161440. 1-b, 2-c, 3-a, 4-d

Question Number : 61 Question Id : 55213115642 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Assertion (A): Among the GHGs, Only CO₂ equivalent are considered to express the atmospheric carbon quantities

Reason (R): The warming potential of CO₂ is the least among GHGs, and the quantities in atmosphere are high

Codes:

Options :

55213161441. Both (A) and (R) are true and, (R) is the correct explanation of (A)

55213161442. Both (A) and (R) are true but (R) is not correct explanation of (A)

55213161443. (A) is true, but (R) is false

55213161444. (A) is false, but (R) is true

**Question Number : 62 Question Id : 55213115643 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

List the following correct factors that can affect the growth of microorganisms:

- i. Oxygen levels,
- ii. Temperature,
- iii. pH,
- iv. Pressures of water, Soil moisture,
- v. Presence of heavy metals or salt,
- vi. Humidity,
- vii. Pressure and
- viii. Viscosity

Codes:

Options :

55213161445. i, ii, iii, iv, v

55213161446. iii, iv, v, vi, vii, viii

55213161447. ii, iv, v, vi, vii, viii

55213161448. iv, v, vi, vii, viii

**Question Number : 63 Question Id : 55213115644 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum**

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Sustainable biodiversity development consists of three important but overlapping steps – save it, know it, and use it – this was proposed by

- i. Frankel et. al., 1995
- ii. Duthie and Virchav, 1998
- iii. Jansen and Gomet, 1997
- iv. Margalef, 1990

Options :

55213161449. i and iv

55213161450. i and ii

55213161451. iii only

55213161452. ii and iv

Question Number : 64 Question Id : 55213115645 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

The trophic levels representing toxicity testing

Type	Example
1. Primary Producers	a. Pigeon, Quail
2. Primary consumers	b. Zebra fish, rainbow trout
3. Tertiary Consumers	c. Daphnia water fleas, Artemig salina
4. Quantenary consumers	d. <i>Chlorella vulgaris</i> and <i>Senendesmus quadricauda</i>

Codes:

Options :

55213161453. 1-c, 2-d, 3-a, 4-b

55213161454. 1-d, 2-c, 3-b, 4-a

55213161455. 1-b, 2-c, 3-d, 4-a

55213161456. 1-b, 2-a, 3-d, 4-c

**Question Number : 65 Question Id : 55213115646 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Chemicals obtained from fermentation

Chemical	Micro organisms
1. Ethanol	a. <i>Aspergillus niger</i>
2. Citric acid	b. <i>Lactobacillus sp.</i>
3. Lactic acid	c. <i>Saccaromyces cerevisiae</i>
4. Fumaric acid	d. <i>Rhizopus oryzae</i>

Codes:

Options :

55213161457. 1-c, 2-d, 3-b, 4-a

55213161458. 1-d, 2-c, 3-b, 4-a

55213161459. 1-c, 2-a, 3-b, 4-d

55213161460. 1-b, 2-a, 3-d, 4-c

Question Number : 66 Question Id : 55213115647 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

The 'dirty dozen'-persistent organic pollutants

(Pops): Aldrin, Chlordane, DDT, Dieldrin, Endrin, Heptachlor, Hexachloro benzene, Mirex, Toxaphene, PCBs, Dioxins, Furans are particularly troublesome class of synthetic organics is the

Options :

55213161461. Halogenated Hydrocarbons

55213161462. Chlorinated Hydrocarbons

55213161463. Mercuric Hydrocarbons

55213161464. Phosphate bound Hydrocarbons

Question Number : 67 Question Id : 55213115648 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Name the top two high productivity wind power plants of India.

- i. Brahmanvel wind Farm, Dhule,
- ii. Muppandal wind Farm, KanyaKumari.
- iii. Damanjodi Wind Farm, Dhamanjodi.
- iv. Jaisalmer Wind Farm, Jaisalmer.
- v. Narmada Wind Farm, Annapur.

Options :

55213161465. ii and iv are correct

55213161466. ii and v are correct

55213161467. i and iii are correct

55213161468. iv and v are correct

**Question Number : 68 Question Id : 55213115649 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Match the Following.

List-I

1. Detoxification.
2. Activation.
3. Co-Metabolism
4. Gratuitous metabolism

List - II

- a. Is the breakdown of compound which is not as a carbon or energy source
- b. Is the degradation of compound by an unrelated enzyme.
- c. Where the compound is converted in to non-toxic metabolites without being mineralised.
- d. The Reverse, where non-noxic compounds are converted in toxic compounds.

Codes:

Options :

55213161469. 1-d, 2-c, 3-b, 4-a

55213161470. 1-c, 2-d, 3-a, 4-b

55213161471. 1-b, 2-a, 3-d, 4-c

55213161472. 1-b, 2-c, 3-d, 4-a

Question Number : 69 Question Id : 55213115650 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Which of the following is correct statement for the interception?.

Options :

55213161473. Sum of gross and net precipitation.

55213161474. Difference of gross and net precipitation

55213161475. Multiplication of gross and net precipitation.

55213161476. Division of gross and net precipitation.

Question Number : 70 Question Id : 55213115651 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

What will be the resultant noise of four grinding machines emitting equal sound level of 50dB(A) in a flour mill?

Options :

55213161477. 100

55213161478. 56

55213161479. 53

55213161480. 59

**Question Number : 71 Question Id : 55213115652 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following are the serious threat to sacred grooves?

- i. Rapid Urbanization.
- ii. Transformation of nature worship into formal temple worship.
- iii. Invasion by exotic weeds.
- iv. Recharge of aquifers like pounds and streams.

Codes:

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

55213161481. i and iv are correct

55213161482. iii and iv are correct

55213161483. ii, iii and iv are correct

55213161484. i, ii and iii are correct

**Question Number : 72 Question Id : 55213115653 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No**

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Assertion (A): An environmental constraint is any factor that influences the fitness of the organism in a habitat.

Reason(R): The environmental constraints on plants come from their requirements for about 20 different essential resources from their susceptibility to herbivory, predation, disease and from the benefits they may receive from mutualists such as mycorrhizal fungi or systematic nitrogen fixing bacteria

Options :

55213161485. Both (A) and (R) are true, and (R) is correct explanation of (A).

55213161486. Both (A) and (R) are true but (R) is not correct explanation of (A).

55213161487. (A) is true but (R) is false.

55213161488. (A) is false but (R) is true.

Question Number : 73 Question Id : 55213115654 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which of the following assumption is not correct for the Box Model?

Options :

55213161489. The pollutants emitted to the atmosphere are uniformly mixed in a volume of air.

55213161490. The time and physical dimensions of the box are based on the steady state condition.

55213161491. The discharge of pollutants mix completely and instantaneously with the air available for dilution.

55213161492.

The pollutant emissions spread outwards from the source in an expanding plume to the wind direction

Question Number : 74 Question Id : 55213115655 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Savannahs are

Options :

55213161493. Tropical grasslands

55213161494. Boreal forest.

55213161495. Temperate grasslands.

55213161496. Elfinwoods.

Question Number : 75 Question Id : 55213115656 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

The Lincoln index representing population size is calculated by

Options :

55213161497. Estimating the area occupied by individuals

55213161498. Counting individual numbers.

55213161499. Estimating the ages of individuals

55213161500. Mark, release, recapture method.

**Question Number : 76 Question Id : 55213115657 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

The speed of sound is slow in the ----- medium

Options :

55213161501. Air

55213161502. Water

55213161503. Glass

55213161504. Iron

**Question Number : 77 Question Id : 55213115658 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Find the correct sequence in the order of contributions to the atmospheric carbon.

- I. Transport Sector
- II. Manufacturing Industry Sector
- III. Electricity Power Sector
- IV. Residential, Building & Commercial Sector
- V. Other Sectors.

Options :

55213161505. II > III > IV > I > V

55213161506. III > II > I > IV > V

55213161507. III > II > IV > I > V

55213161508. II > I > III > IV > V

Question Number : 78 Question Id : 55213115659 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which biome contains the greatest diversity of life?

- i. Tropical Seasonal Forest
- ii. Tropical Broad-Leaved woodland
- iii. Temperate rain forest
- iv. Tropical rain forest

Codes:

Options :

55213161509. i, ii, iii

55213161510. i, ii, iv

55213161511. i only

55213161512. iv only

Question Number : 79 Question Id : 55213115660 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

In plastic industry, which microbe has been successfully used to convert alkene into alkene oxide ?

- i. *Methylococcus capsulatus*
- ii. *Phanerochaete chrysosporium*
- iii. *Bascillus megaterium*
- iv. *Pseudomonas methylootropicus*

Codes:

Options :

55213161513. **i**

55213161514. **i, ii**

55213161515. **i, ii, iii**

55213161516. **i, ii, iv**

Question Number : 80 Question Id : 55213115661 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Match the Following.

Parameter	Instrument
1. Atmospheric Pressure	a. Psychrometer
2. Wind Speed	b. Barometer
3. Solar Radiation	c. Anemometer
4. Humidity	d. Pyrheliometer

Codes:

Options :

55213161517. 1-b, 2-c, 3-d, 4-a

55213161518. 1-c, 2-d, 3-a, 4-b

55213161519. 1-a, 2-b, 3-c, 4-d

55213161520. 1-d, 2-a, 3-b, 4-c

**Question Number : 81 Question Id : 55213115662 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Why identification of irreversible impacts is an important issue in EIA?

Options :

55213161521. Not susceptible to mitigation measures

55213161522. Easily recovered by mitigation measures

55213161523. Recovery of such impacts takes place in progress of time

55213161524. These are short term impacts

**Question Number : 82 Question Id : 55213115663 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which fungus is often used for bioremediation of hydrocarbon pollutants?

- i. *Aspergillus niger*
- ii. *Mucor arrhizus*
- iii. *Phanerochaete chrysosporium*
- iv. *Trichoderma viride*

Codes:

Options :

55213161525. i, ii

55213161526. i, ii, iii

55213161527. iii

55213161528. i, ii, iv

**Question Number : 83 Question Id : 55213115664 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following plume behaviour occurs during super adiabatic lapse rate of the atmosphere?

Options :

55213161529. Fanning

55213161530. Lofting

55213161531. Traping

55213161532. Looping

**Question Number : 84 Question Id : 55213115665 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

On what basis Raunkiaer classified plant life forms?

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

55213161533. Position of perennating bodies

55213161534. Position of meristem tissue

55213161535. Position of seed

55213161536. Structure of the Biome

**Question Number : 85 Question Id : 55213115666 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Correctly sequence the following units of energy from lowest to highest.

- I. Kilo watt – Hour
- II. Joule
- III. Calorie
- IV. BTU

Options :

55213161537. IV < III < II < I

55213161538. III < IV < II < I

55213161539. III < II < I < IV

55213161540. II < III < IV < I

**Question Number : 86 Question Id : 55213115667 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following active pools of carbon is the largest on Earth and Contribute to most of carbon cycling.

- i. Atmosphere
- ii. Rain Forest Vegetation
- iii. Recoverable Fossil fuels
- iv. The ocean

Codes:

Options :

55213161541. i, ii

55213161542. ii, iii

55213161543. iii only

55213161544. iv only

Question Number : 87 Question Id : 55213115668 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

What is true of a pseudomorph among the following?

- i. It results from the replacement of one mineral by another
- ii. The replaced mineral forms a polymorph
- iii. Only outer form is changed in a pseudomorph
- iv. Internal atomic structure and outer form are drastically changed

Codes:

Options :

55213161545. i, ii and iii

55213161546. ii, iii and iv

55213161547. ii and iv

55213161548. i and iii

Question Number : 88 Question Id : 55213115669 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Assertion (A): The primary minerals are necessarily the products of consolidation of magmas under suitable conditions.

Reason (R): All minerals constituting igneous rocks are of primary origin

Codes:

Options :

55213161549. (A) is true but (R) is false

55213161550. (A) is false but (A) is true

55213161551. Both (A) and (R) are true and (R) is the correct explanation of (A)

55213161552. Both (A) and (R) are true but (R) is not the correct explanation of (A)

**Question Number : 89 Question Id : 55213115670 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Find the correct statements from the following

- i. India stands 4th in Global Wind Power Production
- ii. India stands 1st in Global Coal Production
- iii. India stands 1st in consumption of Global Hydel Power
- iv. India stands 7th in the Global solar Power Production

Codes:

Options :

55213161553. i and ii are correct

55213161554. i and iii are correct

55213161555. ii and iv are correct

55213161556. i and iv are correct

**Question Number : 90 Question Id : 55213115671 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

How plants overcome frequent fire catastrophes?

Options :

55213161557. Vegetative Propagation

55213161558. Seed dormancy

55213161559. Deep roots

55213161560. Buds

**Question Number : 91 Question Id : 55213115672 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following principle best reflects the intent of EIA?

Options :

55213161561. Reduce, reuse and recycle

55213161562. Polluter pays

55213161563. Prevention is better than cure

55213161564. Pollution control

**Question Number : 92 Question Id : 55213115673 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Assertion (A): Energy brought into ecosystems is very high in tropics compared to other regions.

Reason (R): Tropical regions receive greater rainfall and greater biodiversity

Codes:

Options :

55213161565. Both (A) and (R) are true and (R) is the correct explanation for (A)

55213161566. Both (A) and (R) are true but (R) is not proper explanation to (A)

55213161567. (A) is true and (R) is false

55213161568. (A) is false and (R) is true

Question Number : 93 Question Id : 55213115674 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Match the Following.

Category of Area	Day time limits dB (A)
1. Industrial	a. 50
2. Commercial	b. 65
3. Residential	c. 75
4. Silent	d. 55

Codes:

Options :

55213161569. 1-b, 2-a, 3-d, 4-c

55213161570. 1-c, 2-b, 3-d, 4-a

55213161571. 1-a, 2-c, 3-b, 4-d

55213161572. 1-d, 2-b, 3-a, 4-c

**Question Number : 94 Question Id : 55213115675 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

The siliceous components of rock are dissolved in

Options :

55213161573. Alkaline solvents

55213161574. Dilute acids

55213161575. Strong acids

55213161576. Neutral solvents

**Question Number : 95 Question Id : 55213115676 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Assertion (A): The small size particles are removed by Electrostatic Precipitators by passing the gas between two electrodes

Reason (R): The high potential difference between the two electrodes in electro-static precipitators creates an active glow zone which helps to charge the particles which attracts by the low potential electrode

Codes:

Options :

55213161577. Both (A) and (R) are true and (R) is a correct explanation of (A)

55213161578. Both (A) and (R) are true but (R) is not a correct explanation of (A)

55213161579. (A) is false and (R) is true

55213161580. (A) is true but (R) is false

**Question Number : 96 Question Id : 55213115677 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following are true with reference to weathering?

- i. Mechanical and chemical decay
- ii. Weathering products are transported off from their place of origin
- iii. Deposition of transported materials
- iv. It involved no chemical decay

Codes:

Options :

55213161581. i, iii, iv

55213161582. i, ii

55213161583. iii, iv

55213161584. i, ii, iii

**Question Number : 97 Question Id : 55213115678 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No**

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Contribution of the solar power to the total power generation of Telangana State accounts for

Options :

55213161585. 25 to 30%

55213161586. 10 to 15%

55213161587. 18 to 22%

55213161588. 30 to 35%

Question Number : 98 Question Id : 55213115679 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Assertion (A): In activated sludge process the microorganisms are living on the organic material in the sewage

Reason (R): The micro-organisms consume oxygen and produced carbon-di-oxide with their growth in the activated sludge process

Codes:

Options :

55213161589. Both (A) and (R) are true, but (R) is a correct explanation of (A)

55213161590. Both (A) and (R) are true, but (R) is not a correct explanation of (A)

55213161591. (A) is true and (R) is false

55213161592. (A) is false and (R) is true

**Question Number : 99 Question Id : 55213115680 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

What tools are used to determine the effect of contaminants on the organisms in the environment?

Options :

55213161593. Biomarkers

55213161594. Sampling Grids

55213161595. Biosensors

55213161596. Genetically modified organisms

**Question Number : 100 Question Id : 55213115681 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not correct for the major project?

Options :

55213161597. High capital investment

55213161598. Covers large area

55213161599. Employs less number

55213161600. Significant environmental impacts.

**Question Number : 101 Question Id : 55213115682 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Assertion (A): The colloidal clay in soil acts as a large anion and absorb cations.

Reason (R): The clay particles act as reservoir of exchangeable ions and release them for plant nutrition.

Codes:

Options :

55213161601. Both (A) and (R) are true, and (R) is the correct explanation of (A)

55213161602. Both (A) and (R) are true, but (R) is not a correct explanation of (A)

55213161603. (A) is true but (R) is false

55213161604. (A) is false and (R) is true

**Question Number : 102 Question Id : 55213115683 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

The global warming impact of 1 kg of methane over a period of 100 years, is equivalent to x times to the warming impact of 1 kg of CO₂. Find the value of 'x'

Options :

55213161605. 250

55213161606. 25

55213161607. 2.5

55213161608. 2500

**Question Number : 103 Question Id : 55213115684 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which organ of human ear converts the sound energy into the electrical signal?

Options :

55213161609. Auditory Nerve

55213161610. Sensory hairs

55213161611. Tympanic membrane

55213161612. Malleus, incus and stapes

**Question Number : 104 Question Id : 55213115685 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

The Karl-Pearson's correlation coefficient between two independent random variables is

Options :

55213161613. 0

55213161614. 1

55213161615. -1

55213161616. 0.5

**Question Number : 105 Question Id : 55213115686 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Match the Following.

EIA Method	Example
1. Network	a. Asian Development Bank (1987)
2. Simple checklists	b. Johnson and Bell (1975)
3. Simple matrix	c. Leopold et al. (1971)
4. Stepped matrix	d. Sorenson (1971)

Codes:

Options :

55213161617. 1-d, 2-a, 3-c, 4-b

55213161618. 1-a, 2-c, 3-b, 4-d

55213161619. 1-c, 2-b, 3-d, 4-a

55213161620. 1-b, 2-d, 3-a, 4-c

Question Number : 106 Question Id : 55213115687 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

'Green peace' is an independent global campaigning organisation that acts to change attitudes and behaviours to protect and conserve the environment and promote peace is situated in

Options :

55213161621. London, UK

55213161622. Amsterdam, Netherland

55213161623. New York, USA

55213161624. Perth, Australia

Question Number : 107 Question Id : 55213115688 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Assertion (A): Increasing complexity in the biodiversity results in greater stability of the ecosystems.

Reason (R): Ecosystems with large and dominant populations shall provide high stability to the system.

Codes:

Options :

55213161625. Both (A) and (R) are true and (R) is correct explanation of (A)

55213161626. Both (A) and (R) are true, but (R) is not proper explanation for (A)

55213161627. (A) is true, but (R) is false

55213161628. (A) is false, but (R) is true

**Question Number : 108 Question Id : 55213115689 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following statements are true with the climate change phenomenon?

- i. Increased Temperatures with decreased precipitations
- ii. Sea level rise and melting of polar ice caps
- iii. Increase in ozone depletion
- iv. Variable Rainfall

Codes:

Options :

55213161629. Only i is correct

55213161630. i and ii are correct

55213161631. ii and iv are correct

55213161632. iii and iv are correct

**Question Number : 109 Question Id : 55213115690 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

59. Match the Following.

Element of EIA	Expression
1. Screening	a. Mitigation measures & monitoring plan
2. Scoping	b. Narrowing scope of EIA for projects having significant impacts
3. Baseline studies	c. Defining boundaries of EIA
4. Environmental Management Plan	d. Present and future status of environment

Codes:

Options :

55213161633. 1-a, 2-d, 3-b, 4-c

55213161634. 1-b, 2-c, 3-d, 4-a

55213161635. 1-b, 2-a, 3-c, 4-d

55213161636. 1-d, 2-c, 3-a, 4-b

Question Number : 110 Question Id : 55213115691 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

The normal human conversation occurs in the range of sound frequencies between -----

Options :

55213161637. 10 to 10,000 Hz

55213161638. 100 to 1000 Hz

55213161639. 50 to 5000 Hz

55213161640. 500 to 2000 Hz

Question Number : 111 Question Id : 55213115692 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

The set binding targets for industrialised nations to reduce emissions by 5% against 1990 levels over a period of 2008 – 2012 was proposed in

Options :

55213161641. Rio de Janeiro, Brezil, 1992

55213161642. Stockholm, Sweden, 1972

55213161643. Copenhagen, Denmark, 2009

55213161644. Kyoto Protocal, Japan, 1997

Question Number : 112 Question Id : 55213115693 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

Identify the stage during which time “Public Consultation” is conducted for the projects that require Environmental clearance in India.

- i. Before EIA is initiated
- ii. At the time of Scoping
- iii. Before EMP is prepared
- iv. At the time of final Appraisal

Codes:

Options :

55213161645. Only ii is correct

55213161646. only iv is correct

55213161647. i and ii are correct

55213161648. iii and iv are correct

**Question Number : 113 Question Id : 55213115694 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Match the Following.

Chemical/ Substance	Nature
1. Lead salts	a. Corrosive
2. Trimethyl aluminium	b. Toxic
3. Sulphuric acid	c. Ignitable
4. White Phosphorous	d. Reactive

Codes:

Options :

55213161649. 1-c, 2-b, 3-d, 4-a

55213161650. 1-a, 2-c, 3-b, 4-d

55213161651. 1-d, 2-a, 3-c, 4-b

55213161652. 1-b, 2-d, 3-a, 4-c

**Question Number : 114 Question Id : 55213115695 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No**

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

If annual growth rings are helpful in estimating the age of trees, what structures can be used to determine the age of animals?

Options :

55213161653. Annual growth rings in teeth and otoliths of mammals

55213161654. Length and longevity of nails

55213161655. Gills of Fish

55213161656. Bone density

Question Number : 115 Question Id : 55213115696 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Match the Following.

Method	Process
1. Source reduction	a. Dumping waste below surface of the earth
2. Recycling	b. Waste minimization
3. Incineration	c. Conversion of waste in usable items
4. Sanitary land fill	d. Burning of waste

Codes:

Options :

55213161657. 1-b, 2-c, 3-d, 4-a

55213161658. 1-c, 2-d, 3-a, 4-b

55213161659. 1-a, 2-b, 3-c, 4-d

55213161660. 1-d, 2-a, 3-b, 4-c

**Question Number : 116 Question Id : 55213115697 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Match the Following.

Environmental Laws	Year
1. Forest Conservation Act	a. 2000
2. Motor Vehicle Act	b. 2016
3. The Plastic Management Rules	c. 1980
4. Noise Pollution (Regulation & Control) Rules	d. 1988

Codes:

Options :

55213161661. 1-a, 2-c, 3-d, 4-b

55213161662. 1-b, 2-a, 3-c, 4-d

55213161663. 1-c, 2-d, 3-b, 4-a

55213161664. 1-d, 2-b, 3-a, 4-c

**Question Number : 117 Question Id : 55213115698 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

How global warming affects the El Nino years?

Options :

55213161665. El Nino years may be more frequent

55213161666. El Nino does not occur

55213161667. El Nino years are rare

55213161668. El Nino years and effect reduced

**Question Number : 118 Question Id : 55213115699 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Bioremediation refers to -

Options :

55213161669. Actions that stabilize a landscape and increase economic value of site

55213161670. Management that deflect succession of a site from one land use to other

55213161671. The use of plants and microbes to reduce the site toxicity

55213161672. Actions that seek to repair damaged ecosystem

**Question Number : 119 Question Id : 55213115700 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Match the Following.

Contaminant	Example
1. Solvent	a. Lindane
2. Petrochemical	b. Carbontetra chloride
3. Explosive	c. Poly aromatic hydrocarbons
4. Pesticide	d. Trinitrotoluene

Codes:

Options :

55213161673. 1-d, 2-a, 3-b, 4-c

55213161674. 1-a, 2-b, 3-c, 4-d

55213161675. 1-c, 2-d, 3-b, 4-a

55213161676. 1-b, 2-c, 3-d, 4-a

**Question Number : 120 Question Id : 55213115701 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

If the correction Co-efficient between two variables X and Y is ± 1

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

55213161677. Both variables have perfect and positive correction

55213161678. Both variables have perfect and negative correction

55213161679. Two regression lines are either parallel or perpendicular

55213161680. Two regression lines coincide

**Question Number : 121 Question Id : 55213115702 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Match the Following.

List I

Environmental Important Days

1. World Earth Day
2. World Water Day
3. World Wetlands Day
4. World Ozone Day
5. World Biological Diversity Day

List II

- a. 22nd May
- b. 16th September
- c. 2nd February
- d. 22nd April
- e. 22nd March

Codes:

Options :

55213161681. 1-d, 2-e, 3-c, 4-b, 5-a

55213161682. 1-e, 2-a, 3-b, 4-c, 5-d

55213161683. 1-d, 2-a, 3-e, 4-b, 5-c

55213161684. 1-c, 2-b, 3-d, 4-e, 5-a

**Question Number : 122 Question Id : 55213115703 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes**

Correct Marks : 2 Wrong Marks : 0

The abiotic environment depends on

- i. Rock and Soil types
- ii. Climate and Weather
- iii. Climate and Pathogens
- iv. Catastrophes

Codes:

Options :

55213161685. i and iii are correct

55213161686. i, ii and iv are correct

55213161687. ii, iii, iv are correct

55213161688. i, iii, iv are correct

Question Number : 123 Question Id : 55213115704 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

How many rings are observed in the structure of Benzo [a] Pyrene?

Options :

55213161689. 3

55213161690. 5

55213161691. 6

55213161692. 2

Question Number : 124 Question Id : 55213115705 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Assertion (A): The aerobic degradation of organic substances is a quite short, and no substantial leachate generated during this phase.

Reason (R): The first phase of anaerobic degradation is acid fermentation, which causes a decrease in pH, high conc. of volatile acids of leachate.

Codes:

Options :

55213161693. Both (A) and (R) are true and (R) is correct explanation of (A)

55213161694. Both (A) and (R) are true and (R) is not correct explanation of (A)

55213161695. (A) is true but (R) is false

55213161696. (A) is false but (R) is true

Question Number : 125 Question Id : 55213115706 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Match the Following.

Contaminant	Effect
1. Cadmium	a. Blue baby syndrome
2. Fluoride	b. Nerve damage
3. Nitrate	c. Kidney damage
4. Cyanide	d. Bone disease

Codes:

Options :

55213161697. 1-d, 2-c, 3-b, 4-a

55213161698. 1-c, 2-d, 3-a, 4-b

55213161699. 1-b, 2-a, 3-c, 4-d

55213161700. 1-a, 2-b, 3-d, 4-c

**Question Number : 126 Question Id : 55213115707 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Assertion (A): Variations in the mixing height of the air environment of a locality shall have inverse relationship with the concentrations of air pollutants.

Reason (R): Air pollutants will disperse fast with decreased mixing heights.

Codes:

Options :

55213161701. Both (A) and (R) are true and (R) is the correct explanation of (A)

55213161702. Both (A) and (R) are true, but (R) is not correct explanation for (A)

55213161703. (A) is true, but (R) is false.

55213161704. (A) is false, but (R) is true.

**Question Number : 127 Question Id : 55213115708 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following factors are influencing on the leachate quality generated in landfills?

- i. Waste composition
- ii. Water balance of the waste
- iii. Age of landfills
- iv. Size of landfills

Codes:

Options :

55213161705. Only i is correct

55213161706. Only i and ii are correct

55213161707. Only i, ii and iii are correct

55213161708. Only ii, iii and iv are correct

Question Number : 128 Question Id : 55213115709 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Assertion (A): The clean-up of contaminated sites has been earned out using physical and chemical methods such as immobilization, removal, thermal, and solvent treatments.

Reason (R): Bioremediation is a cheaper than the chemical and physical option and can deal with lower concentration of contaminants more effectively, although the process may take longer.

Codes:

Options :

55213161709. Both (A) and (R) are true and (R) is correct explanation of (A)

55213161710. Both (A) and (R) are true but (R) is not a correct explanation for (A)

55213161711. (A) is true but (R) is false

55213161712. (A) is false but (R) is true

**Question Number : 129 Question Id : 55213115710 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

If two dice are tossed the probability of sum of two faces is equal to 9 is

Options :

55213161713. $\frac{2}{9}$

55213161714. $\frac{4}{9}$

55213161715. $\frac{5}{36}$

55213161716. $\frac{4}{36}$

**Question Number : 130 Question Id : 55213115711 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

The isothermal lapse rate is represented by -

Options :

55213161717. Increase in temperature with height

55213161718. Decrease in temperature with height

55213161719. No change in temperature with height

55213161720. 1° C temperature change per 100 meter of height

Question Number : 131 Question Id : 55213115712 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Which global hot spot accommodate the height human population density?

Options :

55213161721. Western Ghats

55213161722. Sundaland hotspot

55213161723. Himalaya

55213161724. Atlantaic Forest

Question Number : 132 Question Id : 55213115713 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The first Notification on the Environmental impact Assessment under Environmental (Protection) Act was issued in the year

Options :

55213161725. 1986

55213161726. 1994

55213161727. 2006

55213161728. 2008

**Question Number : 133 Question Id : 55213115714 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

In a population of exponential growth type, if the population annual growth is 0.02.
Assuming that the growth rate continues to be the same in how many years the
population will become twice and thrice to the initial population.

Options :

55213161729. Twice (42.3) and Thrice (67.2)

55213161730. Twice (28.1) and Thrice (46.3)

55213161731. Twice (34.6) and Thrice (54.9)

55213161732. Twice (17.5) and Thrice (28.5)

**Question Number : 134 Question Id : 55213115715 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Match the Following.

List – I

Name of the estimation method

1. Improved West & Gaeke Method
2. TEOM
3. Gas Phase Chemiluminescence
4. NDIR

List – II

Air Quality Parameter

- a. NO₂
- b. SO₂
- c. PM₁₀
- d. CO

Codes:

Options :

55213161733. 1-c, 2-b, 3-d, 4-a

55213161734. 1-b, 2-c, 3-a, 4-d

55213161735. 1-a, 2-c, 3-b, 4-d

55213161736. 1-b, 2-d, 3-c, 4-a

Question Number : 135 Question Id : 55213115716 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Identify the correct statements which are true to the application of Leslie's Matrix model

- i. Population of discrete age classes
- ii. Prediction of population growth and size
- iii. Assessment of Natality and Morality
- iv. Population of Homogenic type

Codes:

Options :

55213161737. i and ii are correct

55213161738. ii and iii are correct

55213161739. iii and iv are correct

55213161740. i and iii are correct

**Question Number : 136 Question Id : 55213115717 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Find the plant adaptations associated with the species of true mangroves

- i. Omithophily
- ii. Vivipary
- iii. Pneumetophores
- iv. Anaemophily

Codes:

Options :

55213161741. i only is correct

55213161742. i and iii are correct

55213161743. ii and iv are correct

55213161744. ii and iii are correct

**Question Number : 137 Question Id : 55213115718 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

In a population of 426, the individuals tested positive for respiratory diseases were 97 and of this 6 individuals were positive for silicosis. If a single person is randomly picked from the population, what is the chance of that person being a positive for silicosis.

Options :

55213161745. 0.23

55213161746. 0.16

55213161747. 0.06

55213161748. 0.01

Question Number : 138 Question Id : 55213115719 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 2 Wrong Marks : 0

Which of the following are true regarding Deposits of coal in India?

- i. Belongs to Gondwana
- ii. Formed due to Sedimentation
- iii. Formed due to Sublimation process
- iv. Belong to tertiary age

Codes:

Options :

55213161749. i, ii

55213161750. i, ii, iii

55213161751. i, ii, iv

55213161752. ii, iii, iv

Question Number : 139 Question Id : 55213115720 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

Find the Mean and Median values for the following set of data.
2.32; 3.15; 2.76; 2.44; 3.41

Options :

55213161753. Mean (2.76) and Median (2.82)

55213161754. Mean (2.82) and Median (2.76)

55213161755. Mean (2.79) and Median (3.41)

55213161756. Mean (2.82) and Median (2.79)

Question Number : 140 Question Id : 55213115721 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0

The model relation between yield of a crop and soil, fertilizer, seeds and water is expressed as

Options :

55213161757. Correlation model

55213161758. Regression model

55213161759. Analysis of variance

55213161760. t-test

**Question Number : 141 Question Id : 55213115722 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement or statements are true in case of Gaussian Plume Model

- i. The Wind speed and direction are constant in both time and elevation
- ii. The pollutant is conservative and degrade over time
- iii. The emission rate from the source is constant
- iv. The estimations are two dimensional only

Codes:

Options :

55213161761. Only ii is correct

55213161762. i and iii are correct

55213161763. ii and iv are correct

55213161764. i, ii and iv are correct

**Question Number : 142 Question Id : 55213115723 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Find the correct targets identified by the Green Indian Mission under the Climate Change Action Plan

- i. Increase the forest cover to 1/3rd of the land area
 - ii. Increase forest cover on 5 mha of forest/non-forest lands
 - iii. Promote agroforestry in 2 mha by 2020
 - iv. Enhance annual CO₂ sequestration by 50-60 million tons by 2020
- Increase protected areas by 1.5 times.

Codes:

Options :

55213161765. ii and iv are correct

55213161766. i and iii are correct

55213161767. ii and v are correct

55213161768. i, iii and v are correct

Question Number : 143 Question Id : 55213115724 Question Type : MCQ Option Shuffling : Yes

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

Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No

Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

Name the District of Telangana State which has maximum forest area

Options :

55213161769. Adilabad

55213161770. Nizamabad

55213161771. Warangal

55213161772. Khammam

**Question Number : 144 Question Id : 55213115725 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

Pyramid of energy

Options :

55213161773. Can never be inverted

55213161774. Can be inverted rarely

55213161775. May be often inverted

55213161776. Always be inverted

**Question Number : 145 Question Id : 55213115726 Question Type : MCQ Option Shuffling : Yes
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : 0 Minimum
Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No
Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 2 Wrong Marks : 0**

At early stages of development, a country is characterised by high forest cover and low deforestation rates is known as

Options :

55213161777. Deforestation theory

55213161778. Forest exploitation theory

55213161779. Forest transition theory

Sub-Section Number : 2
Sub-Section Id : 5521311368
Question Shuffling Allowed : No

Question Id : 55213115727 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : 0 Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Question Numbers : (146 to 150)

Question Label : Comprehension

As we destroy biological diversity, what else are we doing to the environment, what is being changed, and how will those changes affect us? One part of the answers to these questions is provided by Lawton and Brown's consideration of redundancy. Part of what the environment does for us involves 'ecosystem services' – the movement of energy and nutrients through the air, water and land, and through the food chains. Just how much biological diversity we need to keep the movement at approximately natural levels is question of critical importance. Nonetheless, it is not a question that is commonly asked. A major synthesis of theories on the dynamics of nutrient cycling devotes little space to the consequences of changes in the numbers of species per trophic level; it is the number of trophic levels that receives the attention. One might well concluded that, over broad limits, ecosystem services will continue to be provided, so long as there are some plants, some animals, some decomposers and so on. Lawton and Brown conclude that numerous species are redundant.

The conclusion only deals with the average movement of material; ecologist have long recognised that diversity may be important in determining the variability and persistence of ecological processes and their resistance to external change. Following the laws of diversity, one often hears ideas such as: the loss threatens ecological integrity; the environment becomes more fragile as diversity decreases; ecosystem have some capacity to resist change or to recover from it, that is, there is some balance of nature of stability and this balance is affected by the loss of diversity.

Sub questions

Question Number : 146 Question Id : 55213115728 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 2 Wrong Marks : 0

The movement of energy and nutrients through the air, water, land and through the few chains is known as

Options :

55213161781. Ecosystem marks

55213161782. Ecosystem services

55213161783. Ecosystem perturbations

55213161784. Ecosystem dynamics

Question Number : 147 Question Id : 55213115729 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On

Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :

Yes

Correct Marks : 2 Wrong Marks : 0

Lawton and Brown conclude that numerous species are

Options :

55213161785. Redundant

55213161786. Dependent

55213161787. Isolated

55213161788. Discrete

Question Number : 148 Question Id : 55213115730 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On

Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :

Yes

Correct Marks : 2 Wrong Marks : 0

Diversity is important in determining the variability and persistence of ecological processes and their resistance to _____

Options :

55213161789. Internal change

55213161790. External change

55213161791. No change at all

55213161792. Modifications.

**Question Number : 149 Question Id : 55213115731 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
Yes**

Correct Marks : 2 Wrong Marks : 0

The ecological balance is affected by

Options :

55213161793. The gain of biodiversity

55213161794. The loss of biodiversity

55213161795. Stability in biodiversity

55213161796. No change in biodiversity

**Question Number : 150 Question Id : 55213115732 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On
Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control :
Yes**

Correct Marks : 2 Wrong Marks : 0

The environment become more 'fragile' as diversity

Options :

55213161797. Increases

55213161798. Decreases

55213161799. No change at all

55213161800. Oscillates