

TS SET

Question Paper Name :	COMPUTER SCIENCE AND APPLICATIONS 6th July 2019 Shift 2 Set1
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Teaching and Research Aptitude

Group Number :	1
Group Id :	552131193
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 :	552131193
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 :	5521311286
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 55213114666 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.

55213157601. ఇంటి వద్దే పనిలో నిమగ్నమై ఉండడానికి

Study at home.

55213157602. ఇంటి వద్దే చదువుకోవడానికి

Their progress can be enhanced.

55213157603. ప్రగతిని పెంపొందించవచ్చును

Develop the habit of self study.

స్వీయ అధ్యయన అలవాటును పెంపొందించడానికి

55213157604.

Question Number : 2 Question Id : 55213114667 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

55213157605.

Learner's family lineage

అభ్యాసకుని కుటుంబ వారసత్వ నేపథ్యం

55213157606.

Aptitude of the learner

అభ్యాసకుని సహజ సామర్థ్యం

55213157607.

Learner's stage of development

అభ్యాసకుని వికాస దశ

55213157608.

Question Number : 3 Question Id : 55213114668 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

55213157609.

Norm - referenced testing

ప్రమాణ ఆధారిత పరీక్ష

55213157610.

Criterion - referenced testing

క్రైటీరియన్ - రిఫెరెన్స్ డ్ టెస్టింగ్

55213157611.

Formative testing

రూపణ పరీక్ష

55213157612.

Question Number : 4 Question Id : 55213114669 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

55213157613.

Showing TV programmes

టీ.వి. కార్యక్రమాలు చూపించడం

55213157614.

Involving students actively in co-curricular activities

విద్యార్థులను సహపాఠ్య కార్యక్రమాల్లో భాగస్వాములను చేయడం

55213157615.

Observing religious festivals

మతపరమైన పండుగలు జరుపడం

55213157616.

Question Number : 5 Question Id : 55213114670 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 :

55213157617.

Instructing students to copy from black board

విద్యార్థులను నల్లబల్ల చూపి రాసుకోమనడం

Instructional variety

బోధనలో వైవిధ్యం

55213157618.

Questioning

ప్రశ్నించడం

55213157619.

Using student ideas and contribution

విద్యార్థుల ఆలోచనల్ని వారి సహకారాన్ని వినియోగించడం

55213157620.

Question Number : 6 Question Id : 55213114671 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

55213157621.

Action Reserach

చర్యాత్మక పరిశోధన

55213157622.

Experimental Research

ప్రయోగాత్మక పరిశోధన

55213157623.

Fundamental Research

ప్రాథమిక పరిశోధన

55213157624.

Sub-Section Number :

2

Sub-Section Id :

5521311287

Question Shuffling Allowed :

Yes

Question Number : 7 Question Id : 55213114672 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

55213157625.

Choice of sampling technique

ప్రతిచయన పద్ధతి ఎంపిక

55213157626.

55213157627.

Reporting of research findings

పరిశోధనా ఫలితాలను నివేదించడం

Inaccurate application of statistical techniques

సాంఖ్యిక శాస్త్రపద్ధతులను సరియైన పద్ధతిలో ఉపయోగించకపోవుట

55213157628.

Sub-Section Number :

3

Sub-Section Id :

5521311288

Question Shuffling Allowed :

Yes

Question Number : 8 Question Id : 55213114673 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

55213157629.

Master level thesis

మాస్టర్ లెవల్ సిద్ధాంత గ్రంథం

55213157630.

Post-graduate level dissertation

పి.జి.స్థాయి డిసర్టేషన్

55213157631.

All the above

పైవన్నీ

55213157632.

Question Number : 9 Question Id : 55213114674 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

55213157633.

Formulating a research question

పరిశోధనా ప్రశ్నను రూపొందించడం

55213157634.

Deciding about the data analysis procedure

దత్తాంశ విశ్లేషణా ప్రక్రియను రూపొందించడం

55213157635.

Formulating a research hypothesis

పరిశోధన పరికల్పనలను నిర్ధారించడము

55213157636.

Question Number : 10 Question Id : 55213114675 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

55213157637.

Only the null hypothesis can be tested.

శూన్య పరికల్పనలను మాత్రమే పరీక్షించవచ్చు

55213157638.

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

అల్టర్ నేటివ్ మరియు శూన్య పరికల్పనలను పరీక్షించవచ్చు

55213157639.

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

అల్టర్నేటివ్ మరియు నూన్య పరికల్పనలను పరీక్షించలేము.

55213157640.

Sub-Section Number :

4

Sub-Section Id :

5521311289

Question Shuffling Allowed :

No

Question Id : 55213114676 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 బచ్చిక 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 : 55213114677 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.

55213157641.

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.

55213157642.

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.

55213157643.

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.

55213157644.

Question Number : 12 Question Id : 55213114678 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 :

55213157645.

Sinner

పాపి

Great politician

ఒక గొప్ప రాజకీయవేత్త

55213157646.

Cowardice

పిరికివాడు

55213157647.

Good policy maker

మంచి విధానాల రూపకర్త

55213157648.

Question Number : 13 Question Id : 55213114679 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

55213157649.

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

55213157650.

55213157651.

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

55213157652.

Question Number : 14 Question Id : 55213114680 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 :

55213157653. 1943

55213157654. 1944

55213157655. 1945

55213157656. 1946

Question Number : 15 Question Id : 55213114681 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

55213157657.

China

చైనా

55213157658.

Soviet Union

సోవియట్ యూనియన్

55213157659.

Korea

కొరియా

55213157660.

Sub-Section Number :

5

Sub-Section Id :

5521311290

Question Shuffling Allowed :

Yes

Question Number : 16 Question Id : 55213114682 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

55213157661.

A context

ఒక సందర్భంలో

55213157662.

External only

బాహ్యంగా మాత్రమే

55213157663.

Internal only

అంతర్గతంగానే

55213157664.

Question Number : 17 Question Id : 55213114683 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

55213157665.

Student centric

స్టూడెంట్ కేంద్రంగా

55213157666.

Classroom centric

క్లాస్రూమ్ కేంద్రంగా

55213157667.

Culture centric

సంస్కృతి కేంద్రంగా

55213157668.

**Question Number : 18 Question Id : 55213114684 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

55213157669.

Politeness

మర్యాదపూర్వకమైన

55213157670.

Listening

వినడం

55213157671.

Ambiguity

సంధిదృత

55213157672.

Question Number : 19 Question Id : 55213114685 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.

55213157673.

సంజ్ఞలు అన్ని సంస్కృతులలో ఒకే అర్థాన్ని కలిగి ఉంటాయి.

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

55213157674.

సంజ్ఞలు అన్ని సంస్కృతులలో ఒకే అర్థాన్ని కలిగి ఉండవు.

Some gestures can have different meanings in different cultures.

55213157675.

కొన్ని సంజ్ఞలు విభిన్న సంస్కృతులలో వేర్వేరు అర్థాలను కలిగి ఉంటాయి.

Some gestures can have same meanings in different cultures.

55213157676.

కొన్ని సంజ్ఞలు విభిన్న సంస్కృతులలో అదే అర్థాలను కలిగి ఉంటాయి.

Question Number : 20 Question Id : 55213114686 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
వాట్స్ఆప్
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 కౌమ్
- d. Jack Patrick Dorsey
జాక్ పాట్రిక్ డోర్సీ

Codes:

కోడ్స్:

Options :

55213157677. 1-d, 2-b, 3-a, 4-c

55213157678. 1-a, 2-b, 3-d, 4-c

55213157679. 1-c, 2-b, 3-d, 4-a

55213157680. 1.b, 2-a, 3-c, 4-d

Sub-Section Number :

6

Sub-Section Id :

5521311291

Question Shuffling Allowed :

Yes

Question Number : 21 Question Id : 55213114687 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 :

55213157681. 22

55213157682. 24

55213157683. 25

55213157684. 28

Question Number : 22 Question Id : 55213114688 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 :

55213157685. 3

55213157686. 4

55213157687. 5

55213157688. 6

Question Number : 23 Question Id : 55213114689 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 :

55213157689.

22.5

55213157690. 24.5

55213157691. 25.5

55213157692. 28.5

Question Number : 24 Question Id : 55213114690 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 :

55213157693. 15

55213157694. 20

25

55213157695.

40

55213157696.

**Question Number : 25 Question Id : 55213114691 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

55213157697.

QBBJ

55213157698.

RRMY

55213157699.

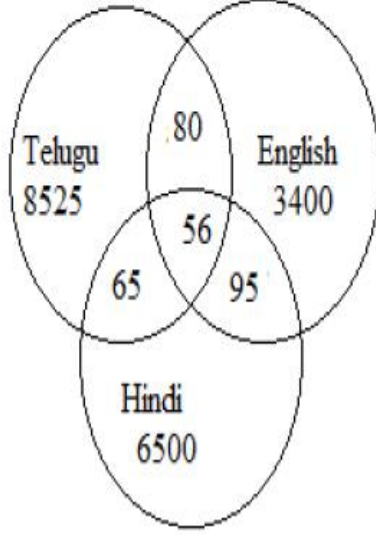
OVBH

55213157700.

**Question Number : 26 Question Id : 55213114692 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 :

55213157701. 18425

55213157702. 18481

55213157703. 18721

55213157704. 18656

Question Number : 27 Question Id : 55213114693 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 :

55213157705. 13

55213157706. 12

55213157707. 11

55213157708. 10

**Question Number : 28 Question Id : 55213114694 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 :

55213157709. B is the son of A
B, A యొక్క కొడుకు

55213157710. A is the uncle of C
A, C యొక్క బాబాయి / మామ

B is the father of A

B, A యొక్క తండ్రి

55213157711.

C is the mother of B

C, B యొక్క తల్లి

55213157712.

Question Number : 29 Question Id : 55213114695 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

55213157713.

I is true and II is false

I ఒప్పు మరియు II తప్పు

55213157714.

I is false and II is true

I తప్పు మరియు II ఒప్పు

55213157715.

both I and II are false

I మరియు II తప్పు

55213157716.

Question Number : 30 Question Id : 55213114696 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

55213157717.

Father

తండ్రి

55213157718.

Uncle

బాబాయి / మామ

55213157719.

Grandson

మనవడు

55213157720.

Sub-Section Number : 7
Sub-Section Id : 5521311292
Question Shuffling Allowed : No

Question Id : 55213114697 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

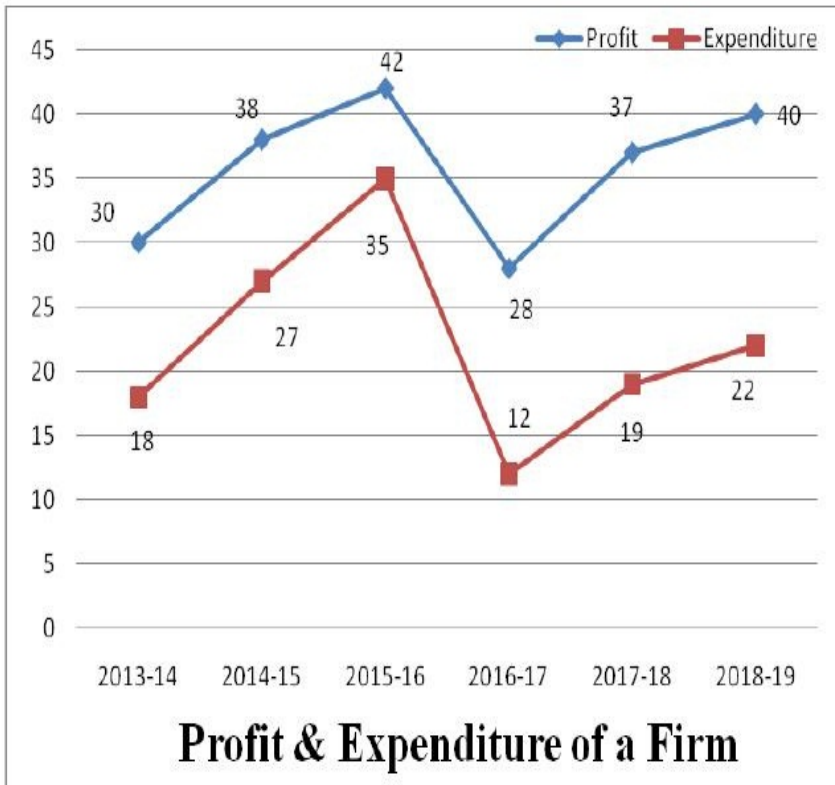
Note: The questions Q. 31 to Q. 35 are based on the following information.

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 : 55213114698 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 :

55213157721. 30

55213157722. 40

55213157723. 28

55213157724. 16

**Question Number : 32 Question Id : 55213114699 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 :

55213157725. 28.75

55213157726. 36.25

55213157727. 28.64

38.46

55213157728.

Question Number : 33 Question Id : 55213114700 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

55213157729.

28.57

55213157730.

40.0

55213157731.

32.35

55213157732.

Question Number : 34 Question Id : 55213114701 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 :

55213157733. 38.22

55213157734. 61.78

55213157735. 61.86

55213157736. 28.75

**Question Number : 35 Question Id : 55213114702 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 :

55213157737. 20

55213157738. 37

55213157739. 19

55213157740.

Sub-Section Number : 8
Sub-Section Id : 5521311293
Question Shuffling Allowed : Yes

Question Number : 36 Question Id : 55213114703 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

55213157741.

Niklaus Wirth

నికొలస్ విర్త్

55213157742.

Seymour Papert

సెమోర్ పెపరెట్

55213157743.

Donald Kunth

డొనాల్డ్ కుంత్

55213157744.

Question Number : 37 Question Id : 55213114704 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 :

55213157745. PCI

55213157746. ISA

55213157747. USB

55213157748. GPIB

Question Number : 38 Question Id : 55213114705 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 :

55213157749. Post Officed Protocol
పోస్ట్ అఫీస్ డ్ ప్రోటోకాల్

55213157750. Post Office Protocol
పోస్ట్ ఆఫీస్ ప్రోటోకాల్

55213157751. Post Official Protocol
పోస్ట్ అఫీసియల్ ప్రోటోకాల్

55213157752. Postal Office Protocol
పోస్టల్ ఆఫీస్ ప్రోటోకాల్

**Question Number : 39 Question Id : 55213114706 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 :

55213157753. File transport protocol
ఫైల్ ట్రాన్స్‌పార్ట్ ప్రోటోకాల్

55213157754. File transfer protocol
ఫైల్ ట్రాన్స్‌ఫర్ ప్రోటోకాల్

55213157755. File transit protocol
ఫైల్ ట్రాన్సిట్ ప్రోటోకాల్

File tracking protocol

ఫైల్ ట్రాకింగ్ ప్రోటోకాల్

55213157756.

**Question Number : 40 Question Id : 55213114707 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 :

55213157757. [inlibnet](#)

55213157758. [infonet](#)

55213157759. [ernet](#)

55213157760. [indonet](#)

Sub-Section Number : 9

Sub-Section Id : 5521311294

Question Shuffling Allowed : Yes

**Question Number : 41 Question Id : 55213114708 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

55213157761.

World Forest Conservation Day

ప్రపంచ అరణ్య సంరక్షణ దినము

55213157762.

World Population Day

ప్రపంచ జనాభా దినము

55213157763.

World Food Security Day

ప్రపంచ ఆహార రక్షణ దినము

55213157764.

Question Number : 42 Question Id : 55213114709 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

55213157765.

Ganso Wind Farm

గన్సో గాలిసాగు కేంద్రము

55213157766.

King Mountain Wind Ranch

కింగ్ మాంటెన్ గాలి రాంచ్

55213157767.

Jagur Creek Wind Farm

జాగూర్ క్రీక్ గాలిసాగు కేంద్రము

55213157768.

**Question Number : 43 Question Id : 55213114710 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

55213157769.

DDT from pesticide industry

క్రిమి సంహారక పరిశ్రమ నుంచి విడుదలయ్యే DDT

55213157770.

Paper and pulp from Paper Industry

కాగిత పరిశ్రమ నుంచి విడుదలయ్యే కాగితం మరియు గుఱ్ఱు

55213157771.

Fly ash and jute from jute industry

జనప నార పరిశ్రమ నుండి విడుదలయ్యే ఎగిరే బూడిద, జనుము

55213157772.

**Question Number : 44 Question Id : 55213114711 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

55213157773.

Shifting cultivation

ప్రాంతాన్ని మారుస్తూ సాగు చేయుటం

55213157774.

Forestation

అడవులు పెంచుట

55213157775.

Faulty cultivation practices

లోపభూయిష్ట సాగు పద్ధతులు

55213157776.

**Question Number : 45 Question Id : 55213114712 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 :

55213157777. ii

55213157778. ii and iii

55213157779. iv

55213157780. i and iv

Sub-Section Number : 10

Sub-Section Id : 5521311295

Question Shuffling Allowed : Yes

Question Number : 46 Question Id : 55213114713 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

55213157781.

September 1985

సెప్టెంబర్ - 1985

55213157782.

December 1987

డిసెంబర్ - 1987

55213157783.

December 1988

డిసెంబర్ - 1988

55213157784.

Question Number : 47 Question Id : 55213114714 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

55213157785.

Relevance

ఔచిత్యం

55213157786.

Compulsory and free education

నిర్బంధ ఉచిత విద్య

55213157787.

Value based Education

విలువల ఆధారిత విద్య

55213157788.

**Question Number : 48 Question Id : 55213114715 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

55213157789.

Enhancing student employability

విద్యార్థుల ఔద్యోగిక సామర్థ్యాలను పెంపొందించడం

55213157790.

Inculcating virtues and culture to students

సద్గుణాలు మరియు సంస్కృతిని విద్యార్థులలో అలవరచడం

55213157791.

Making students to understand religious values

మత సంబంధమైన విలువలను విద్యార్థులు అవగాహన చేసుకునేట్లు చేయుట

55213157792.

Question Number : 49 Question Id : 55213114716 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

55213157793.

Sex

లింగం

55213157794.

Place of birth

జన్మ స్థలం

55213157795.

Nationality

జాతీయత

55213157796.

Question Number : 50 Question Id : 55213114717 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

55213157797.

NKC Chairman

జాతీయ నాలెడ్జ్ సంఘం అధ్యక్షులు

55213157798.

Director – NCTE

జాతీయ ఉపాధ్యాయ విద్యా మండలి అధ్యక్షులు

55213157799.

Chairman – NCERT

జాతీయ విద్యా పరిశోధనా శిక్షణా సంస్థ అధ్యక్షులు

55213157800.

COMPUTER SCIENCE AND APPLICATIONS

Group Number :	2
Group Id :	552131194
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

COMPUTER SCIENCE AND APPLICATIONS

Section Id :	552131194
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	100
Number of Questions to be attempted :	100
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 :	5521311296
Question Shuffling Allowed :	Yes

Question Number : 51 Question Id : 55213114718 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 the logical notation of the given assertion “ There is one and only one even prime” where E(x) denotes “ x is even” and P(x) denotes “X is prime “ , O(x) denotes “x is odd”?

Options :

55213157801. $\exists x[E(x) \vee P(x)]$

55213157802. $\exists! x[E(x) \vee O(x)]$

55213157803. $\exists x[E(x) \vee P(x)]$

55213157804. $\exists! x[E(x) \wedge P(x)]$

Question Number : 52 Question Id : 55213114719 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

Let A be a set with ‘n’ distinct elements. How many different binary relations on A are there and how many of them are reflexive?

Options :

55213157805. $2^{n \cdot n}$ and 2^{k-n} where $k = n^2$

55213157806. $2^{n \cdot k}$ and 2^{k-n} where $k = n^2$

55213157807. n^{n-n} and 2^{k-n} where $k = n^2$

55213157808.

2^n and 2^{n-1}

Question Number : 53 Question Id : 55213114720 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

Let $A = \{1\}$, then power set of A is

Options :

55213157809. $\{\emptyset, \{1\}\}$

55213157810. $\{\{1\}\}$

55213157811. $\{\emptyset, 1\}$

55213157812. $\{1\}$

Question Number : 54 Question Id : 55213114721 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 X and Y are two sets such that $(X \cup Y)$ has 50 elements, X has 28 elements and Y has 32 elements, how many elements does $(X \cap Y)$ have?

Options :

55213157813. 22

55213157814. 10

55213157815. 4

55213157816. 18

**Question Number : 55 Question Id : 55213114722 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 R is the relation defined by *is factor of* in the set $A = \{2, 4, 6\}$. Find R^{-1} ?

Options :

55213157817. $\{(2,2), (2,4), (6,6)\}$

55213157818. $\{(2,2), (2,4), (4,4)\}$

55213157819. $\{(2,2), (4,2), (6,2), (4,4), (6,6)\}$

55213157820. $\{(2,2), (2,4), (4,6)\}$

Question Number : 56 Question Id : 55213114723 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 domain and range of the given real function where $f(x) = -|x|$?

Options :

55213157821. domain = \mathbb{R} and range = $(-\infty, 0]$

55213157822. domain = $(-\infty, 0]$ and range = $(-\infty, 0]$

55213157823. domain = \mathbb{R} and range = \mathbb{R}

55213157824. domain = $(-\infty, 0]$ and range = \mathbb{R}

Question Number : 57 Question Id : 55213114724 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

For a graph G with 6 vertices and 14 edges and minimum spanning tree cost is 32. What is the minimum cost if the cost of the edges are doubled in G ?

Options :

55213157825. 43

55213157826. 46

55213157827. 42

55213157828. 60

**Question Number : 58 Question Id : 55213114725 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**

Let R be the relation in the set $\{1,2,3,4\}$ given by $R=\{(1,2),(2,2),(1,1),(4,4),(1,3),(3,3),(3,2)\}$.
Choose the correct answer.

Options :

55213157829. R is reflexive and symmetric but not transitive

55213157830. R is reflexive and transitive but not symmetric

55213157831. R is symmetric and transitive but not reflexive

55213157832. R is an equivalence relation

**Question Number : 59 Question Id : 55213114726 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 number of different 8-letter arrangements that can be made from the letters of the word DAUGHTER so that all vowels occur together?

Options :

6!

55213157833.

4!*3!

55213157834.

5!*3!

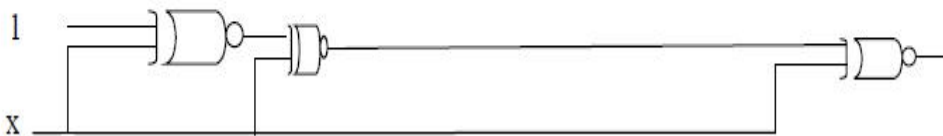
55213157835.

6!*3!

55213157836.

Question Number : 60 Question Id : 55213114727 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 input to the digital circuit given below consisting of a cascade of 20 gates with input to x is 0, then the output y is equal to



Options :

1

55213157837.

0

55213157838.

55213157839.

X

55213157840. X

Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.

**Question Number : 61 Question Id : 55213114728 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 operation is holds associative property?

Options :

55213157841. NOR

55213157842. OR

55213157843. AND

55213157844. X-OR

Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.

**Question Number : 62 Question Id : 55213114729 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

Let $X=01110$ and $Y=11001$ are two 5-bit numbers represented in 2's complement format. The sum of X and Y represented in 2's complement using 6-bit is

Options :

55213157845. 000111

55213157846. 100111

55213157847. 000001

55213157848. 011001

Question Number : 63 Question Id : 55213114730 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

Let $P1$ is an unpipelined processor with a 30ns cycle time. Processor $P1$ cycle time is evenly divided into 5 pipeline stages with latch latency as 2ns. What is the total latency of the resulting pipeline?

Options :

55213157849. 30 ns

55213157850. 8 ns

55213157851. 7 ns

31 ns

55213157852.

Question Number : 64 Question Id : 55213114731 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 total number of prime implicants of the function $f(w, x, y, z) = \sum(0, 2, 4, 5, 6, 10)$ is

Options :

4

55213157853.

3

55213157854.

2

55213157855.

5

55213157856.

Question Number : 65 Question Id : 55213114732 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 the average CPI of a 1.4 GHz machine that executes 12.5 million instructions in 12 seconds?

Options :

55213157857. 12.5*12*4

55213157858. 1344

55213157859. 12/12.5

55213157860. 12.5*12

Question Number : 66 Question Id : 55213114733 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

Suppose one machine, A, executes a program with an average CPI of 1.9. Suppose another machine, B (with the same instruction set and an enhanced compiler), executes the same program with 20% less instructions and with a CPI of 1.1 at 800MHz. In order for the two machines to have the same performance, what does the clock rate of the first machine need to be?

Options :

55213157861. 1.5GHz

55213157862. 1.7MHz

55213157863. 1.7GHz

55213157864. 1.5MHz

Question Number : 67 Question Id : 55213114734 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 the average memory access time for a processor p with cache access time as 1ns, if miss penalty is 25ns, where 1% of instructions and 5% of data references are not found in cache with 15% are of data references.

Options :

55213157865. 1.4ns

55213157866. 25ns

55213157867. $25 * 0.16$ ns

55213157868. 26 ns

Question Number : 68 Question Id : 55213114735 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 an 8-way set-associative cache is made up of 32 bit words, 4 words per line and 4096 sets, what is the size of the cache in bytes?

Options :

1024K bytes

55213157869.

64K bytes

55213157870.

32K bytes

55213157871.

512K bytes

55213157872.

**Question Number : 69 Question Id : 55213114736 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 Computer has 64-bit instructions and 28-bit addresses. If there are 250 two-address instructions, how many one-address can be formulated?

Options :

256

55213157873.

6

55213157874.

64

55213157875.

24,756

55213157876.

Question Number : 70 Question Id : 55213114737 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 cache coherence snoopy based write invalidate protocol?

Options :

55213157877. MSI

55213157878. MESI

55213157879. ESI

55213157880. Directory based protocol

Question Number : 71 Question Id : 55213114738 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 the output of the following C code?

```
#include<stdio.h>
main()
{ int k = 20,j;
j= (k != (k == --k)) ? puts ("True"):puts("False");}
```

Options :

55213157881.

True

False

55213157882.

0

55213157883.

1

55213157884.

**Question Number : 72 Question Id : 55213114739 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 given recurrence equation?

$$T(n) = T(n/2) + 1$$

$$T(1) = 1$$

Options :

$O(\log n)$

55213157885.

$O(n)$

55213157886.

$O(n*n)$

55213157887.

$O(n \cdot \log n)$

55213157888.

Question Number : 73 Question Id : 55213114740 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 times function fib(n) called if $n = 5$?

```
int fib(n)
{ if (n==0) return 0;
  else if ( n ==1) return 1;
  else return((fib(n-1) + fib(n-2)));
}
```

Options :

55213157889. 13

55213157890. 9

55213157891. 11

55213157892. 15

Question Number : 74 Question Id : 55213114741 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 the output of the C code?

```
#include<stdio.h>
int main()
{ int k=10, i =5;
  printf("the value of k is:\t", !!k, i|k);

}
```

Options :

55213157893. 1 15

55213157894. 0 10

55213157895. 1 5

55213157896. 0 15

Question Number : 75 Question Id : 55213114742 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 the output of the given C code?

```
#include<stdio.h>
main()
{ int a = 80, k=97;
  printf("a= %a, k=%b, c=%c,d=%d", a,k,80,97); }
```

Options :

55213157897.

a=gabagevalue, k=a, c=b,d=80

55213157898. a=gabagevalue, k=b, c=a,d=80

55213157899. a=%a, k=%b, c=a,d=97

55213157900. a=%a, k=%b, c=gabagevalue,d=80

**Question Number : 76 Question Id : 55213114743 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 property of the Array objects in Java script will return numeric value of the length of an array?

Options :

55213157901. length

55213157902. getLength

55213157903. getLen

55213157904. lengthOf

Question Number : 77 Question Id : 55213114744 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 the tag name, attribute and value in the following line of HTML code?

```
<a href="page.html">
```

Options :

55213157905. a-tag name, href- attribute and page.html – value

55213157906. a-attribute name, href-tag name and page.html –value

55213157907. a-value, href-tag name and page.html –attribute

55213157908. a-attribute name, href- value and page.html –attribute

Question Number : 78 Question Id : 55213114745 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 type of style sheets should be used for all HTML email?

Options :

55213157909. Inline

55213157910.

Internal

External

55213157911.

Linked

55213157912.

**Question Number : 79 Question Id : 55213114746 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 the output of C++ code?

```
#include<iostream.h>
#define prod(x) cout<<#x"<="<<x;
{
int main()
int a=8, b=7;
prod(a*b);
return 0;
}
```

Options :

55213157913. $a+b = 7$

55213157914. 8

55213157915. $a+b = 56$

Syntax error

55213157916.

**Question Number : 80 Question Id : 55213114747 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 operators cannot be overloaded with either member functions or friend functions?

Options :

55213157917. ::, :?

55213157918. [], =

55213157919. 0, []

55213157920. :?, []

**Question Number : 81 Question Id : 55213114748 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**

Consider the following relation and the functional dependencies on it:

$R(A, B, C, D, E): A \rightarrow BC \quad CD \rightarrow E \quad B \rightarrow D \quad E \rightarrow A$

How many candidate keys are there for relation R?

Options :

55213157921. 4

55213157922. 8

55213157923. 12

55213157924. 16

**Question Number : 82 Question Id : 55213114749 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**

Consider the following schedule:

S: $r_1(x) r_4(y) w_1(z) r_4(z) w_2(y) r_3(y) w_1(x) w_2(x) w_3(z) w_4(x) w_3(x)$

Which of the following statements are true?

Options :

55213157925. The schedule S is conflict serializable but not view serializable

55213157926. The schedule S is view serializable but not conflict serializable

55213157927. The schedule S is conflict serializable and view serializable

55213157928. The schedule S is neither conflict serializable nor view serializable

**Question Number : 83 Question Id : 55213114750 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**

Consider the tables :

Bills(bid; date; addrShipping; addrBilling; total),
Orders(bid; pid), and
Products (pid; category; price).

Which of the following views can be updatable in SQL?

Options :

```
create view all Dates(date) as  
select date  
from Bills;
```

55213157929.

```
create view highBills(bid, date, total) as  
select bid, date, total  
from Bills  
where total > 1000;
```

55213157930.

```
create view hardwareBills(bid, date, total) as  
select distinct B.bid, B.date, B.total  
from Bills B, Orders O, Products P  
where B.bid = O.bid and O.pid = P.pid  
and P.category = 'hardware';
```

55213157931.

55213157932. create view all dates(date) as select date from orders

**Question Number : 84 Question Id : 55213114751 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**

Suppose that a database management system uses a B+-tree index of height 3 to index a relation. Assume that the leaves of the index hold tuples from the relation. In the worst case, what is the I/O cost (disk read and write operations) of inserting a single record into the relation using this B+-tree?

Options :

55213157933. 4

55213157934. 6

55213157935. 8

55213157936. 10

**Question Number : 85 Question Id : 55213114752 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**

Suppose we have trained a linear regression model $y = ax + b$ where $a = 0.5$ and $b = 1.0$, on a set of training data points $D = \{(1.0; 1.6); (1.5; 1.5); (3.0; 2.4)\}$. What is the mean squared errors of this model on D ?

Options :

55213157937. 0.0275

55213157938. 0.0725

55213157939. 0.0625

55213157940. 0.04275

Question Number : 86 Question Id : 55213114753 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

Given is the following schedule over transactions T_1, T_2 :

T_1	T_2
read(A)	write(B)
read(B)	

Which of the following statements are true?

Options :

55213157941. This schedule possible under two-phase locking protocol only

This schedule possible under timestamp protocol only

55213157942.

This schedule possible under two-phase locking protocol and timestamp protocol

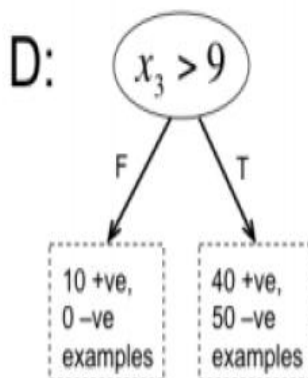
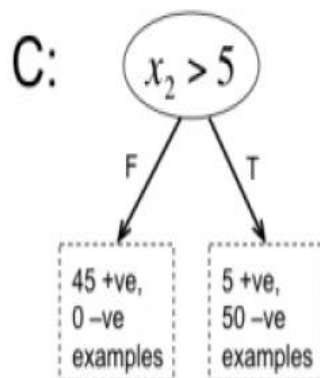
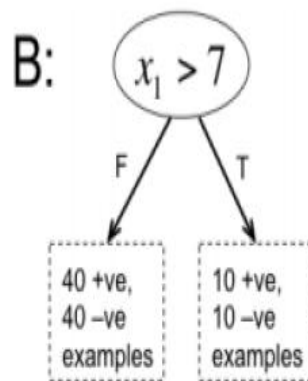
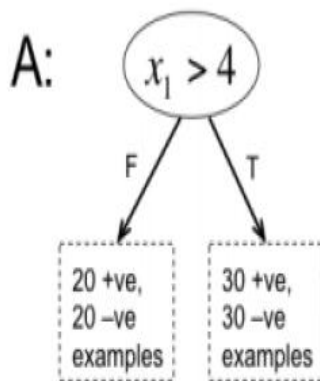
55213157943.

This schedule possible under neither two-phase locking protocol nor timestamp protocol

55213157944.

Question Number : 87 Question Id : 55213114754 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

Suppose if there is a binary classification problem with 3-dimensional feature vectors. You are given 50 positive and 50 negative training examples, and want to build a decision tree classifier. Consider 4 possible splits at the root node. Which of the following splits gives highest information gain?



Options :

A

55213157945.

B

55213157946.

C

55213157947.

D

55213157948.

Question Number : 88 Question Id : 55213114755 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

Consider Hadoop's WordCount program: for a given text, compute the frequency of each word in it.

The input is read line by line. As input, you are given one line that contains a single line of text:

A Ram Sam Sam

How many Mapper objects and Reducer objects are created? How many calls to map() and reduce() are made?

Options :

55213157949. 3 Mapper objects, 1 Reducer object, 3 calls of map(), 1 calls to reduce()

55213157950. 3 Mapper objects, 3 Reducer objects, 1 call of map(), 1 call to reduce()

55213157951. 1 Mapper object, 3 Reducer objects, 3 calls of map(), 3 calls to reduce()

1 Mapper object, 1 Reducer object, 1 call of map(), 3 calls to reduce()
55213157952.

**Question Number : 89 Question Id : 55213114756 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**

Let a probability of disease is 1 in 10,000 and the test accuracy of the disease is 99 %. Let event A is the event you have this disease, and event B is the event that you test positive. Given test is positive what is the probability that disease is actually present?

Options :

55213157953. 0.0990

55213157954. 0.0988

55213157955. 0.9902

55213157956. 0.0098

**Question Number : 90 Question Id : 55213114757 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**

Assuming log base 2, the entropy of a binary feature with $p(x = 1) = 0.75$ is...

Options :

55213157957. 0.1875

55213157958. 0.8113

55213157959. 0.1887

55213157960. 2.41

**Question Number : 91 Question Id : 55213114758 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 number of the times the instruction sequence enters the loop before coming out of loop?

```
MOV AL, 00h  
A1: INC AL  
JNZ A1
```

Options :

55213157961. 00

55213157962. 01

55213157963. 255

55213157964.

Question Number : 92 Question Id : 55213114759 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

Consider a three process system in which processes may request any of 12 drives. What is the safe sequence for the allocation state given below

	Allocation	Max	Available
P ₀	5	10	12
P ₁	2	4	---
P ₂	3	9	---

Options :

P₀, P₁, P₂

55213157965.

P₁, P₂, P₀

55213157966.

P₂, P₁, P₀

55213157967.

P₂, P₁, P₀

55213157968.

Question Number : 93 Question Id : 55213114760 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 system uses FIFO policy for page replacement. It has 4 page frames with initially empty. The system first accesses 50 distinct pages in some order and then accesses the same 50 pages in the reverse order. How many page faults will occur?

Options :

55213157969. 48

55213157970. 56

55213157971. 99

55213157972. 46

Question Number : 94 Question Id : 55213114761 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 algorithm design approach is used in Hunt's Algorithm for Decision tree based classification method?

Options :

55213157973. Greedy strategy

55213157974. Dynamic programming

Divide and Conquer

55213157975.

Branch and Bound

55213157976.

**Question Number : 95 Question Id : 55213114762 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 one of the following algorithm is not used in asymmetric-key cryptography?

Options :

RSA algorithm

55213157977.

Diffie-Hellman algorithm

55213157978.

Electronic Code book algorithm

55213157979.

AES algorithm

55213157980.

Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.

**Question Number : 96 Question Id : 55213114763 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

Consider a disk with 200 tracks numbered from 0 to 199 a set of Disk requests to read the data from tracks 98, 183, 37, 122, 14, 124, 65 and 67. If the current head position is at 53. How many track movements are required if, LOOK disk scheduling algorithm is applied?

Options :

55213157981. 246

55213157982. 299

55213157983. 331

55213157984. 183

Question Number : 97 Question Id : 55213114764 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

Consider a set of 'n' tasks with known runtimes R_1, R_2, \dots, R_n to be run on a uniprocessor machine. Which of the following processor scheduling algorithms will result in the maximum throughput?

Options :

55213157985. Round robin

55213157986. Shortest Job First

55213157987. First Come First Serve

Highest-Response-Ratio-Next

55213157988.

**Question Number : 98 Question Id : 55213114765 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 non-vectored interrupt, what is the address of interrupt service routine?

Options :

55213157989. Obtained from interrupt address table.

55213157990. Supplied by the interrupting I/O device.

55213157991. Obtained through Vector address generator device.

55213157992. Assigned to a fixed memory location.

**Question Number : 99 Question Id : 55213114766 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 command to count the number of files in the current directory by using pipes is...

Options :

55213157993. ls | wc

55213157994. ls -l |wc

55213157995. ls -l |wc -l

55213157996. ls | wc -c

Question Number : 100 Question Id : 55213114767 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 file with permission status of RWXR_XR__ indicates....

Options :

55213157997. The owner has all permissions, the group has only Read permissions.

55213157998. The owner has only Read and Execute permissions.

55213157999. The owner has all permissions, the group has only Read and Execute permissions.

55213158000. The group has all permissions, the owner has only Read and Execute permissions

Question Number : 101 Question Id : 55213114768 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 command: kill -l

Options :

55213158001. Deletes all files starting with l

55213158002. Kills all pids

55213158003. Lists all signals

55213158004. Prints list of signal names

Question Number : 102 Question Id : 55213114769 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 software process model is also known as document-driven approach?

Options :

55213158005. Waterfall

55213158006. Incremental

55213158007. Agile

Prototype

55213158008.

**Question Number : 103 Question Id : 55213114770 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 software requirements specification (SRS) document should avoid discussing which one of the following?

Options :

User interface issues

55213158009.

Non-functional requirements

55213158010.

Design specification

55213158011.

Interfaces with third party software

55213158012.

**Question Number : 104 Question Id : 55213114771 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 graph theoretic concept will be useful in software testing?

Options :

55213158013. Cyclomatic number

55213158014. Hamiltonian circuit

55213158015. Eulerian circuit

55213158016. POSET

**Question Number : 105 Question Id : 55213114772 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 model focuses on the phase based risk analysis?

Options :

55213158017. V-model

55213158018. Spiral model

55213158019. Waterfall model

55213158020. Rapid Application Development Model

**Question Number : 106 Question Id : 55213114773 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**

When measuring the effectiveness on an online advertisement, the _____ is the percentage of visitors to a page who click on an advertisement.

Options :

click ratio

55213158021.

click rate

55213158022.

nielsen rating

55213158023.

click-through rate

55213158024.

**Question Number : 107 Question Id : 55213114774 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 one of the prototyping model?

Options :

Agile model

55213158025.

Spiral model

55213158026.

Throw-away model

55213158027.

Rapid Application Development Model

55213158028.

**Question Number : 108 Question Id : 55213114775 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 will be functional test case for on-line reservation system?

Options :

Measuring the response time of a system

55213158029.

Checking how system behaves when large number of users are accessing the site

55213158030.

To check if user is able to book a ticket from Chennai to Bangalore

55213158031.

To check for elderly person, it is easy to use

55213158032.

**Question Number : 109 Question Id : 55213114776 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 city field in software accepts 3 to 25 alpha characters only. Using BVA technique what will be possible number of combinations?

Options :

55213158033. 3, 4, 24, 25

55213158034. 2, 3, 25, 26

55213158035. 2, 3, 24, 25

55213158036. 3, 5, 25, 26

Question Number : 110 Question Id : 55213114777 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 open source functional testing tool mainly used for Web service testing and supports multiple protocols such as HTTP etc.?

Options :

55213158037. Selenium

55213158038. UTP

55213158039. JUnit

55213158040.

**Question Number : 111 Question Id : 55213114778 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 project costs Rs 1,00,000 and has a 15% chance of failing. What is the estimation cost of project risk?

Options :

55213158041. Rs 15,000

55213158042. Rs 10,000

55213158043. Rs 25,000

55213158044. Rs 30,000

**Question Number : 112 Question Id : 55213114779 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 number of comparisons required to sort 5 numbers in ascending order using bubble sort?

Options :

55213158045. 7

55213158046. 6

55213158047. 10

55213158048. 5

Question Number : 113 Question Id : 55213114780 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

Q1 and Q2 are queues where only Q2 is empty, S1 and S2 are two empty stacks, which of the following statement is correct to reverse the contents of Q1?

Options :

55213158049. While Q1 is non empty, pop from Q1 push into Q2, Then While Q2 is non empty, pop from Q2 and push into Q1

55213158050. While Q1 is non empty, pop from Q1 and push into S1. Then while S1 is non empty, pop from S1 and push into S2, Then while S2 is non empty, pop from S2 and push into Q1

55213158051. While Q1 is non empty, pop from Q1 and push into S1. Then While S1 is non empty, pop from S1 and push into Q1.

55213158052. While Q₁ is non empty PUSH contents of S2 from Q₂.

Question Number : 114 Question Id : 55213114781 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 list is input to a bubble sort algorithm 28, 3, 9, 6, 12, 1, 45, 32, 29, 15, 40, 5. Which of the following is not a valid intermediate list?

Options :

55213158053. 3, 9, 6, 12, 1, 28, 32, 29, 15, 40, 5, 45

55213158054. 3, 6, 9, 12, 1, 28, 32, 29, 15, 5, 40, 45

55213158055. 3, 9, 6, 12, 1, 28, 29, 15, 32, 5, 40, 45

55213158056. 3, 9, 6, 12, 45, 1, 28, 32, 29, 15, 5, 40

Question Number : 115 Question Id : 55213114782 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 the maximum number of articulation points of any binary tree of n nodes?

Options :

55213158057. N

55213158058. N-1

N-2

55213158059.

N+1

55213158060.

**Question Number : 116 Question Id : 55213114783 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 the recurrence equation for worst case analysis of quick sort algorithm to sort numbers in ascending order?

Options :

55213158061. $T(n) = T(n-1) + T(1) + Cn$

55213158062. $T(n) = T(n/2) + 1$

55213158063. $T(n) = 2T(n/2) + Cn$

55213158064. $T(n) = 2T(n-1) + Cn$

**Question Number : 117 Question Id : 55213114784 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**

While inserting the elements 71, 65, 84, 69, 67, 83 in an empty binary search tree (BST) in the sequence shown, which element is at the lowest level?

Options :

55213158065. 65

55213158066. 83

55213158067. 69

55213158068. 67

Question Number : 118 Question Id : 55213114785 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 one of the following is the tightest upper bound that represents the number of swaps required to sort n numbers using selection sort?

Options :

55213158069. $O(n)$

55213158070. $O(n \log n)$

55213158071. $O(\log n)$

O(1)

55213158072.

Question Number : 119 Question Id : 55213114786 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 bad match table for the pattern "TEST"?

Options :

Character	T	E	S	*
Value	3	2	1	5

55213158073.

Character	S	E	T	*
Value	3	2	1	5

55213158074.

Character	T	E	S	T
Value	3	2	1	5

55213158075.

Character	T	E	S
Value	3	2	1

55213158076.

Question Number : 120 Question Id : 55213114787 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

Given the infix representation of an expression, give the postfix representation of the same expression.

Infix expression: $((a+b) * (c-d)) / (x+y)$

Options :

55213158077. $ab^*+cd-xy+ /$

55213158078. $xy+cd-ab+^* /$

55213158079. $ab-cd+^*xy+ /$

55213158080. $ab+cd-^*xy+ /$

Question Number : 121 Question Id : 55213114788 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 following elements are inserted in the given order into an initially empty B+ tree in which each node can hold at most 4 pointers, what will be the number of leaf nodes in the B+ tree at the end of the insertion?

3 5 6 7 8 14 22 32 33 37

Options :

55213158081. 4

55213158082. 5

55213158083. 6

55213158084. 7

**Question Number : 122 Question Id : 55213114789 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 minimum number of states required to construct a finite automata that accepts all the strings of a's and b's and the second symbol from right end is always a?

Options :

55213158085. 4

55213158086. 5

55213158087. 6

55213158088. 3

**Question Number : 123 Question Id : 55213114790 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 edges are there in an undirected graph with two vertices of degree 7, four vertices of degree 5, and the remaining four vertices of degree is 6?

Options :

55213158089. 29

55213158090. 28

55213158091. 27

55213158092. 58

**Question Number : 124 Question Id : 55213114791 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 language L is denoted by a regular expression: $L = (x)^*(x | yx^+)$

Options :

55213158093. x

55213158094. xyxyx

55213158095. xyx

yxx
55213158096.

Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.

Question Number : 125 Question Id : 55213114792 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 context-free grammar G is defined by:

$G = (\{a,b\}, \{S,A,B\}, \{S \rightarrow AaaB, A \rightarrow BB|b, B \rightarrow AbA|a, S\})$

Which of the following cannot be generated by G?

Options :

aaaaa
55213158097.

baaa
55213158098.

baab
55213158099.

baabbb
55213158100.

Question Number : 126 Question Id : 55213114793 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 regular expression is equivalent to the CFG $S \rightarrow aS/bS/a/b$

Options :

55213158101. $(a^* + b^*)^*$

55213158102. $(a + b)^+$

55213158103. $(a^* + b)^+$

55213158104. $(a + b)^*$

**Question Number : 127 Question Id : 55213114794 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**

Let $\Sigma = \{a,b,c,d,e\}$. The number of strings in Σ^* of length 4 such that no symbol is used more than once in a string is

Options :

55213158105. 360

55213158106. 120

55213158107. 35

55213158108. 36

Question Number : 128 Question Id : 55213114795 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 denotes chomskian hierarchy?

Options :

55213158109. $REG \subset CFL \subset CSL \subset type\ 0$

55213158110. $REG \subset CSL \subset CFL \subset type\ 0$

55213158111. $CSL \subset CFL \subset REG \subset type\ 0$

55213158112. $CFL \subset REG \subset CSL \subset type\ 0$

Question Number : 129 Question Id : 55213114796 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 regular expression denotes a language comprising of all possible strings over $\Sigma = \{a,b\}$ of length n where n is multiple of 3?

Options :

55213158113. $(a+b)^+$

55213158114.

$((a+b)(a+b)(a+b))^*$

55213158115. $(aaa+bbb)^*$

55213158116. $((a+b)(a+b)(a+b))^+$

**Question Number : 130 Question Id : 55213114797 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**

Recursively enumerable languages are not closed under which operation?

Options :

55213158117. Union

55213158118. Intersection

55213158119. Complementation

55213158120. Concatenation

**Question Number : 131 Question Id : 55213114798 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 regular identity is true?

Options :

55213158121. $r^{(*)} = r^{*}$

55213158122. $(r^{*}s^{*}) = (r+s)^{*}$

55213158123. $(r+s)^{*} = r^{*} + s^{*}$

55213158124. $r^{*}s^{*} = r^{*}+s^{*}$

Question Number : 132 Question Id : 55213114799 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 selective repeat protocol, if k = number of bits in the sequence number field, what is the size of the sending and receiving windows?

Options :

55213158125. 2^k-1

55213158126. 2^k

55213158127. 2^{k+1}

2^{k-1}

55213158128.

**Question Number : 133 Question Id : 55213114800 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**

Ethernet LAN is running at 10 Mbps with Round Trip propagation delay of 51.2 micro sec,
then What is the minimum Ethernet frame size?

Options :

55213158129. 64 bits

55213158130. 512 bits

55213158131. 256 bits

55213158132. 255 bits

**Question Number : 134 Question Id : 55213114801 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 IP address is NOT private IP address?

Options :

55213158133. 10.10.10.10

55213158134. 172.16.10.10

55213158135. 130.131.135.136

55213158136. 192.168.0.13

**Question Number : 135 Question Id : 55213114802 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

IEEE STANDARD	PROTOCOLS
---------------	-----------

- | | |
|----------------|---------------|
| 1. IEEE 802.3 | a. Wi-fi |
| 2. IEEE 802.4 | b. Ethernet |
| 3. IEEE 802.5 | c. Token ring |
| 4. IEEE 802.11 | d. Token bus |

Options :

55213158137. 1-a, 2-b, 3- c, 4-d

55213158138. 1-b, 2 -d, 3-c, 4-a

55213158139. 1-b, 2-c, 3-d, 4-a

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

55213158140.

Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.

Question Number : 136 Question Id : 55213114803 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 RSA crypto system, for a given primes $P = 13$, $Q = 11$ and also for given public key $e = 7$, then what is the value of private key 'd' ?

Options :

81

55213158141.

103

55213158142.

113

55213158143.

203

55213158144.

Question Number : 137 Question Id : 55213114804 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 message switching, the entire message is first stored and then forwarded at each hop. Calculate the total time required for sending a message of 1000 bytes with bit rate of 50 kbps with propagation delay of 240 ms per hop over 4-hop path in terms of milli seconds.

Options :

55213158145. 810

55213158146. 1080

55213158147. 1600

55213158148. 2020

Question Number : 138 Question Id : 55213114805 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 the Frame Checksum (FCS) for the message $X^6 + X^5 + X^3 + X + 1$ with generator polynomial 11001 using CRC method?

Options :

55213158149. 010

55213158150. 1000

55213158151. 1001

1010

55213158152.

**Question Number : 139 Question Id : 55213114806 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 TCP , round-trip time (RTT) is currently 28 msec and the acknowledgement come in after 26 msec . What is the new RTT estimation in milli seconds (ms) , if $\alpha = 0.9$.

Options :

55213158153. 27.8

55213158154. 28.48

55213158155. 28.84

55213158156. 28.28

**Question Number : 140 Question Id : 55213114807 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**

Given the IP address 190.18.250.31 and the subnet mask 255.255.240.0, what is the subnet address (Based ID)?

Options :

55213158157. 190.18.0.0

55213158158. 190.18.250.0

55213158159. 190.18.240.0

55213158160. 190.18.250.30

**Question Number : 141 Question Id : 55213114808 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 Go Back N protocol of data link layer, for a given 'N' available sequence number , calculate the maximum window size needed.

Options :

55213158161. N

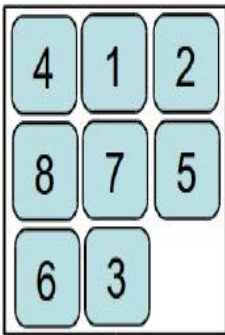
55213158162. N-1

55213158163. $\frac{N+1}{2}$

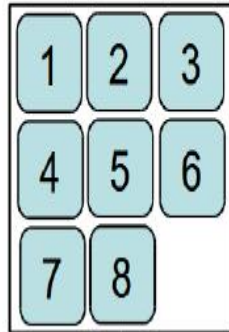
55213158164. $\frac{N}{2}$

Question Number : 142 Question Id : 55213114809 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

Figure shows an 8-puzzle problem with the start state and the goal state. Assuming that the heuristic function $h_2(N)$ sums the Manhattan distances of tiles out of place, the heuristic value of the start state is...



Start state



Goal state

Options :

55213158165. ⁷

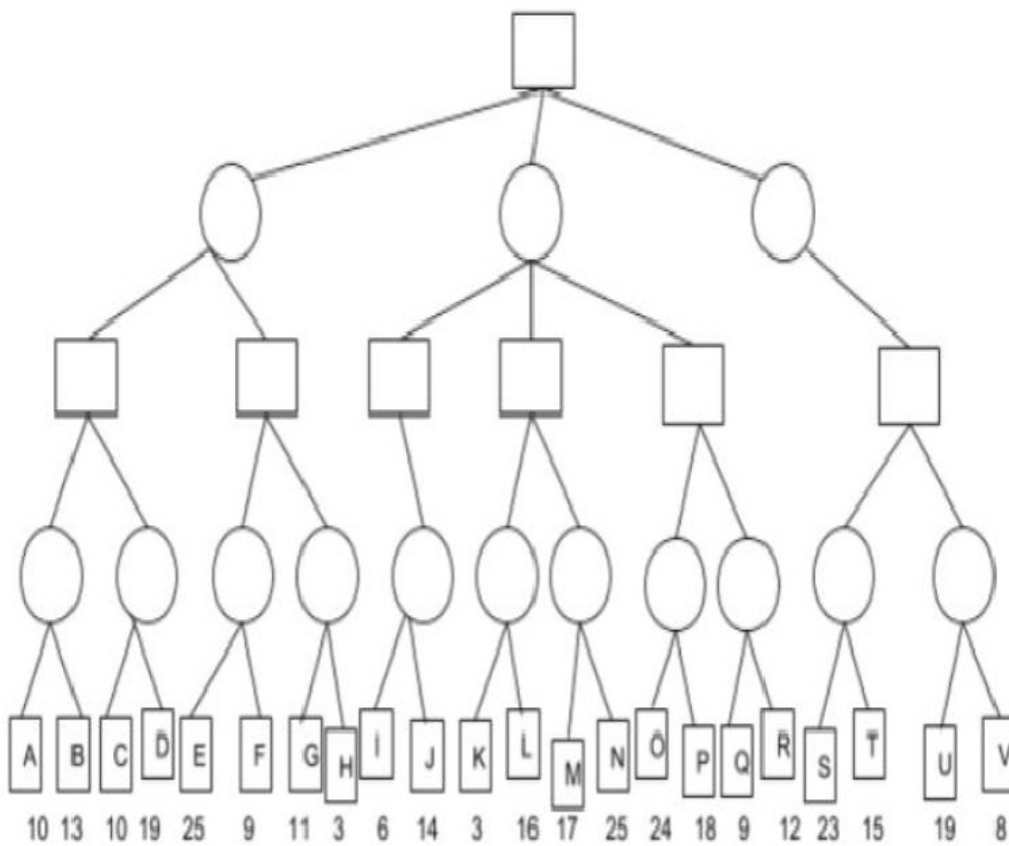
55213158166. ⁸

55213158167. ⁶

55213158168. ⁹

Question Number : 143 Question Id : 55213114810 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

Consider the game tree as in below Figure. The look-ahead level is 4. Each leaf is labeled with a one character name and an integer that is the value returned by the evaluation function. List the leaf nodes in the order inspected by the *AlphaBeta* algorithm searching from *left to right*.
 Your answer must be a comma separated list. For example-D,H,J



Options :

55213158169. A, B, C, E, F, G, H, I, S, T, U, V

55213158170. A, B, E, F, G, H, I, O, P, Q, S, T, U, V

55213158171. A, B, E, F, G, H, I, Q, S, T, U, V

55213158172. A, B, E, F, G, H, Q, S, T, U, V

**Question Number : 144 Question Id : 55213114811 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**

Let P: We should be honest, Q: We should be dedicated, R: We should be overconfident. Then
'We should be honest or dedicated but not overconfident.' is best represented by:

Options :

55213158173. $\sim P \vee \sim Q \vee R$

55213158174. $P \wedge \sim Q \wedge R$

55213158175. $P \vee Q \wedge R$

55213158176. $P \vee Q \wedge \sim R$

**Question Number : 145 Question Id : 55213114812 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 knowledge representation technique used to represent knowledge about stereotype situation?'

Options :

55213158177. Frames

55213158178. Semantic network

55213158179. Scripts

55213158180. Conceptual Dependency

Question Number : 146 Question Id : 55213114813 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

Consider a fuzzy set A defined on the interval $x=[0,10]$ of integers by the membership function.

$$\mu_A(x) = x / x + 2$$

α cut corresponding to $\alpha = 0.5$ will be

Options :

55213158181. { 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 }

55213158182. { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 }

55213158183. { 2, 3, 4, 5, 6, 7, 8, 9, 10 }

55213158184.

{ }

**Question Number : 147 Question Id : 55213114814 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**

Given $U = \{1, 2, 3, 4, 5, 6, 7\}$ $A = \{(3, 0.7), (5, 1), (6, 0.8)\}$ then

$\sim A$ will be: (where $\sim \rightarrow$ complement)

Options :

55213158185.

$\{(4, 0.7), (2, 1), (1, 0.8)\}$

55213158186.

$\{(4, 0.3), (5, 0), (6, 0.2)\}$

55213158187.

$\{(1, 1), (2, 1), (3, 0.3), (4, 1), (6, 0.2), (7, 1)\}$

55213158188.

$\{(3, 0.3), (6, 0.2)\}$

**Question Number : 148 Question Id : 55213114815 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**

Suppose a genetic algorithm uses chromosomes of the form $x = abcdefgh$ with a fixed length of eight genes. Each gene can be any digit between 0 and 9. Let the fitness of individual x be calculated as: $f(x) = (a + b) - (c + d) + (e + f) - (g + h)$, and let the initial population consist of four individuals with the following chromosomes:

$$x_1 = 65413532$$

$$x_2 = 87126601$$

$$x_3 = 23921285$$

$$x_4 = 41852094$$

Evaluate the fitness of each individual, the order with the fittest first and the least fit last will be

Options :

55213158189. x_2, x_1, x_3, x_4

55213158190. x_1, x_3, x_2, x_4

55213158191. x_3, x_2, x_4, x_1

55213158192. x_2, x_4, x_1, x_3

Question Number : 149 Question Id : 55213114816 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

Sussman anomaly is the problem arises in

Options :

55213158193. Planning

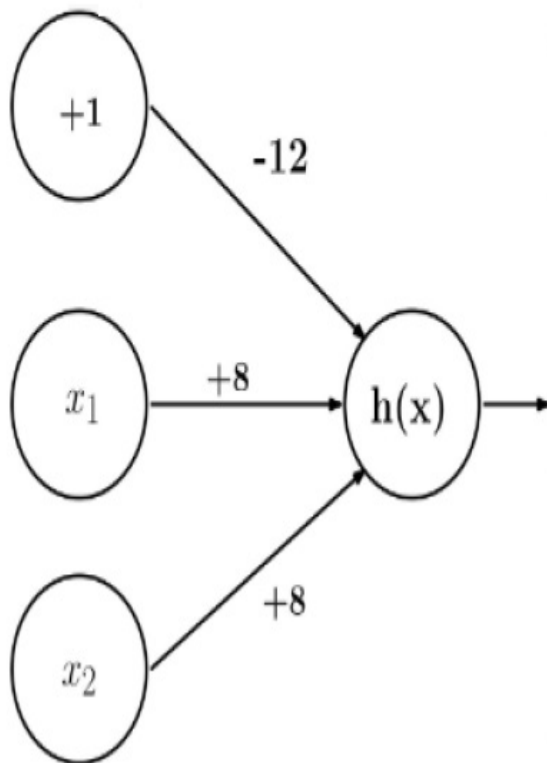
55213158194. DFS searching

55213158195. Natural Language Processing

55213158196. BFS

**Question Number : 150 Question Id : 55213114817 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 neural network given below takes two binary valued inputs $x_1, x_2 \in \{0,1\}$ and the activation function is the binary threshold function ($h(x)=1$ if $x>0$; 0 otherwise). Which of the following logical functions does it compute?



Options :

55213158197. OR

55213158198. AND

55213158199. NAND

55213158200. NOR