

Question Paper Preview

Notations :

- Options shown in **green** color and with  icon are correct.
- Options shown in **red** color and with  icon are incorrect.

Question Paper Name :	PHYSICAL EDUCATION 23rd Dec 2025 Shift 1
Subject Name :	PHYSICAL EDUCATION
Creation Date :	2025-12-23 13:56:07
Duration :	180
Total Marks :	300
Display Marks:	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No

Group 1

Group Number :	1
Group Id :	898741193
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	300

Paper I

Section Id :	898741385
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	42
Number of Questions to be attempted :	42
Section Marks :	100

Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	8987411193
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 89874129225 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Which of the following is a characteristic of an adult learner?

వయోజన అభ్యాసకుల ఒక లక్ష్ణము

Options :

They are highly dependent on the teacher for all information
ప్రతి సమాచారమునకు వారు ఉపాధ్యాయునిపై ఎక్కువగా అధారపడి ఉంటారు.
898741115201. ❌

They are primarily motivated by external rewards and punishments
ప్రాథమికంగా వారు బహిర్గత రివార్చల్సులు, శిక్షలతో ప్రేరేపింపబడతారు
898741115202. ❌

They bring a wealth of life experience to the learning process.
అభ్యాస ప్రక్రియకు వారి జీవిత అనుభవ సంపదను తీసుకువస్తారు.
898741115203. ✓

They learn best through rote memorization of facts
వారు వాస్తవాలను కంఠం పద్ధతి ద్వారా బాగా నేర్చుకుంటారు
898741115204. ❌

The Reflective Level of teaching aims to develop which of the following in learners?

ప్రతిబింబాత్మక బోధన విద్యార్థుల్లో క్రిందివాటిలో ఏది అభివృద్ధి చేయటానికి ప్రయత్నిస్తుంది?

Options :

The ability to recite definitions accurately.

నిర్వచనములను ఖచ్చితంగా పరించగల సామర్థ్యం

898741115205. *

The capacity for independent thought and critical problem-solving.

స్వాతంత్ర్య అలోచన, విమర్శనాత్మక సమస్య పూరణ శక్తి

898741115206. ✓

The skill of summarizing a given text.

ఇచ్చిన వచనమును సంక్లిషం చేయు కోశల్యం

898741115207. *

The ability to answer multiple-choice questions correctly.

బహుళ ఎంపిక ప్రశ్నలకు సరిగా జవాబు చెప్పు సామర్థ్యము

898741115208. *

**Question Number : 3 Question Id : 89874129227 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is a potential drawback of using Swayam, Swayamprabha, and other MOOCs for teaching?

బోధనకు స్వయం, స్వయంప్రభ, మూక్లను ఉపయోగించుటలో ఈ దిగువ వానిలో ఏది సంభాష్య లోపము.

Options :

They offer a limited range of subjects and courses.

అవి పరిమిత వ్యాప్తి గల అంశాలు, కోర్సులను అందిస్తాయి

898741115209. *

They can lead to a lack of direct, real-time interaction between students and instructors.

అభ్యాసకులు, బోధకుల మధ్య ప్రత్యక్ష వాస్తవ సమయ పరస్పర చర్య లేకపోవుటకు దారితీయవచ్చు.

898741115210. ✓

They are not accessible to a large number of people.

ఎక్కువ మందికి అవి అందుబాటులో ఉండవు

898741115211. *

They do not provide any form of certification or evaluation.

అవి ధృవీకరణంకాని, మూల్యాంకనం కాని కలిగించవు

898741115212. *

**Question Number : 4 Question Id : 89874129228 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

A teacher uses a case study to encourage students to analyze a real-life situation. This is an example of which type of teaching method?

వాస్తవ జీవిత పరిస్థితిని విశ్లేషించుటకు ఉపాధ్యాయుడు కేన్ స్టడీని విద్యార్థులను ప్రోత్సహిస్తాడు.
ఇది ఏ బోధనా పద్ధతికి ఉదాహరణ.

Options :

Teacher-centred method

ఉపాధ్యాయ కేంద్రిత పద్ధతి

898741115213. *

Learner-centred method

అభ్యాసక కేంద్రిత పద్ధతి

898741115214. ✓

Off-line method

అఫ్‌లైన్ పద్ధతి

898741115215. *

Traditional method

సాంప్రదాయక పద్ధతి

898741115216. *

Correct Marks : 2 Wrong Marks : 0

In the context of evaluation, what is the primary purpose of a **summative** evaluation?

మూల్యాంకన సందర్భంలో సంగ్రహణాత్మక మూల్యాంకనపు ప్రాథమిక ఉద్దేశమేమి?

Options :

To provide on-going feedback to students during a course.

కోర్సు సమయంలో విద్యార్థులకు నిరంతర ప్రతి ప్రతిపాదన ఇవ్వటానికి

898741115217. ❌

To determine the effectiveness of a teaching method.

బోధనా పద్ధతి సార్థకతను నిర్ణయించటానికి

898741115218. ❌

To summarize student learning at the end of a unit or course

యూనిట్ /కోర్సు అంతములో విద్యార్థి అభ్యాసమును సంగ్రహముగా తెలపటానికి

898741115219. ✓

To help students identify their learning goals.

విద్యార్థులు తమ అభ్యాస లక్ష్యములను గుర్తించుటలో సహకరించటానికి

898741115220. ❌

Correct Marks : 2 Wrong Marks : 0

In the context of research, what is a **hypothesis**?

పరిశోధన సందర్భములో 'పరికల్పన' అనగానేమి?

Options :

A statement of fact that has been scientifically proved.

శాస్త్రీయంగా నిరూపించిన ఒక వాస్తవ నివేదిక

898741115221. ❌

A tentative statement about the relationship between two or more variables that can be tested.

పరీక్ష చేయగలిగిన రెండు అంతకంటే ఎక్కువ చలాంశముల మధ్య సంబంధము గురించి తాత్కాలిక నివేదిక

898741115222. ✓

The final conclusion of a research study.

పరిశోధనా అధ్యయనపు చివరి ముగింపు

898741115223. ❌

A detailed summary of the research methodology.

పరిశోధనా పద్ధతి వివరణాత్మక సారాంశము

898741115224. ❌

Correct Marks : 2 Wrong Marks : 0

A researcher is conducting a study using a questionnaire to collect numerical data from a large sample of people. This type of research is primarily:

చాలా పెద్ద జన సమూహపు ప్రతి చయనము నుండి సంఖ్యాపర దత్తాంశ సేకరణకు ఒక పరిశోధకుడు ప్రశ్నావాటిని ఉపయోగిస్తున్నాడు. ఇది ముఖ్యంగా ఏ పరిశోధన ఏ పర్మిటికి చెందింది.

Options :

Qualitative

గుణాత్మక

898741115225. *

Quantitative

పరిమాణాత్మక

898741115226. ✓

Historical

చారిత్రాత్మక

898741115227. *

Experimental

ప్రయోగాత్మక

898741115228. *

Which of the following is a key characteristic of a **descriptive** research study?

వర్ణించు పరిశోధన యొక్క కీలక లక్ష్యము ఈ దిగువ వానిలో ఏది?

Options :

It manipulates an independent variable to observe its effect on a dependent variable.

అధారిత చలాంశ ప్రభావమును పరిశీలించుటకు ఒక స్వతంత్ర చలాంశమును అభిసంధానిస్తుంది.

898741115229. *

It aims to describe the characteristics of a population or a phenomenon.

ఒక జనాభా, లేదా దృగ్వ్యపయం యొక్క లక్ష్యాలను వివరించుటకు ప్రయత్నిస్తుంది

898741115230. ✓

It establishes cause-and-effect relationships.

కార్య కారణ సంబంధమును స్థాపిస్తుంది.

898741115231. *

It seeks to explore past events and their significance.

గత సంఘటనలను విశ్లేషించి దాని ప్రాముఖ్యతను వివరించ ప్రయత్నిస్తుంది

898741115232. *

What is the primary ethical principle related to **confidentiality** in research?
పరిశోధనలో గోప్యతకు సంబంధించి ప్రాథమిక నైతిక సూత్రము ఏది?

Options :

Researchers must get informed consent from all participants.
పాల్గొనే వారందరి నుండి పరిశోధకులు తెలియపరవిన సమ్మతి పొందాలి

898741115233. ✘

Researchers must not publish their findings.
పరిశోధకులు తాము కనుగొన్నది ప్రచురించరాదు

898741115234. ✘

Researchers must protect the identity and private information of their participants.
పాల్గొనే వారి గుర్తింపు, ప్రైవేటు సమాచారము పరిశోధకులు వెల్లడించకూడదు

898741115235. ✓

Researchers must pay participants for their time and effort.
పరిశోధకులు పాల్గొనే వారికి వారి సమయానికి, కృషికి మూల్యం చెల్లించాలి

898741115236. ✘

In the final step of a research study, what is the purpose of preparing a **thesis**?
పరిశోధనా అధ్యయనపు చివరి దశలో, సిద్ధాంత వ్యాసాన్ని తయారుచేయు ఉద్దేశమేహి?

Options :

To present a tentative hypothesis for future research.

భవిష్యత్తు పరిశోధనకు తాత్కాలిక పరికల్పనను ఇచ్చుట

898741115237. *

To summarize the key findings, conclusions, and implications of the research.

పరిశోధనలో కనుగొన్న కీలక విషయాలను, ముగింపులను, ప్రభావములను

898741115238. ✓

సంగ్రహముగా తెలుపుట

To conduct a preliminary literature review

ప్రారంభిక సాహిత్య పరిశీలన చేయుట

898741115239. *

To collect raw data from the field

క్లీష్టం నుండి హారిక దేటా సేకరించటం

898741115240. *

Sub-Section Number :

2

Sub-Section Id :

8987411194

Question Shuffling Allowed :

No

Question Id : 89874129235 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix

Question Numbers : (11 to 15)

Question Label : Comprehension

Answer questions (11-15) after reading the following passage:

ఈ దిగువ పాసేజీ చదివి 11-15 ప్రశ్నలకు సమాధానము వ్రాయుము.

Passage: The Evolution of Artificial Intelligence (కృతిమ మేధస్య పరిణామం)

The idea of creating "thinking machines" is not new; its roots can be traced back to ancient myths of automatons and intelligent artifacts. However, the modern concept of Artificial Intelligence (AI) truly began to take shape in the mid-20th century with pioneers like Alan Turing. In his 1950 paper, Turing proposed what is now known as the "Turing Test," a criterion for a machine's ability to exhibit intelligent behavior equivalent to, or indistinguishable from, that of a human. Early AI research focused on symbolic reasoning, attempting to create systems that could solve problems through logical rules and symbolic manipulation, the "good old-fashioned AI" (GOFAI) approach. These systems were successful in specific, narrow tasks, like playing chess or solving mathematical equations. However, they struggled with tasks that required common sense or handling uncertain, real-world information.

The limitations of GOFAI paved the way for the rise of connectionism in the 1980s, which draws inspiration from the structure of the human brain. This led to the development of artificial neural networks, which are now the backbone of modern AI. Unlike rule-based systems, neural networks learn from vast amounts of data, identifying patterns and making predictions without being explicitly programmed for every scenario. Deep learning, a subset of machine learning using networks with multiple layers, has enabled breakthroughs in areas like image recognition and natural language processing. Despite these advancements, significant challenges remain. Creating a machine with true consciousness or self-awareness, rather than just simulating it, is still a distant goal. Furthermore, as AI systems become more integrated into society, ethical considerations regarding bias in algorithms, job displacement, and the potential for misuse are becoming increasingly urgent concerns.

‘ఆలోచించగల యంత్రాల స్ఫై’ అనే భావన కొత్తదేఖి కాదు, దీని మూలాలు ప్రాచీనకాల పురాణాలలో, అటోమేటినలు (స్వయంచాలిత యంత్రాలు) వంటి మేధిజనిత, అవిష్కరణలలో ఉన్నాయి. అయినప్పటికీ, ‘కృతిమ మేధ’ (Artificial Intelligence) అనే ఆధునికభావన 20వ శతాబ్దం మధ్యలో అలాన్ ట్యూరింగ్ వంటి మార్గదర్శక మేధావుల ద్వారా రూపకల్పన చేయబడింది. ట్యూరింగ్ టెస్ట్ గా నేడు ప్రభ్యాతిగాంచిన ఒక ప్రమాణాన్ని 1950లో తన పరిశోధన పత్రంలో ట్యూరింగ్ ప్రతిపాదించాడు. మానవుని స్వియ మేధి ప్రవర్తనను ఒక యంత్రం చూపగలదా, లేక మానవ మేధి ప్రవర్తనతో సంబంధంలేని విధంగా ఉంటుందానేడాన్ని పరిశీలించే ప్రమాణం ఈ ట్యూరింగ్ బెస్ట్. మొదట్లో AI పరిశోధనలు ప్రతీకాత్మక తార్కికంపై కేంద్రీకృతమైనాయి. సమస్యలు మరియు తార్కిక నియమాలను సంకేతాల ఆధారంగా రూపొందించడానికి, ఈ విధానం ప్రయత్నించింది. ఈ విధానం ‘పొతపద్ధతి కృతిమ మేధ’ (Good Old-FashionedAI)గా ప్రసిద్ధి చెందింది (GOFAI). ఈ విధానలు కొన్ని కొన్ని నిర్దిష్ట, పరిమిత కార్యాలలో, ఉడా: చెన్ అడడం, గణిత సమికరణాలను సాధించడం వంటి వాటిలో విజయవంతమైనాయి. అయితే, సామాన్య జ్ఞానం అవసరమయ్యే, లేదా అస్థిర, వాస్తవ ప్రపంచ సమాచార నిర్వహణలో అవి విఫలమైనాయి (GOFAI)కి ఉన్న ఈ పరిమితుల వల్ల 1980లలో ‘కనెక్షనిజిం’ (Connectionism) ఉద్యవించింది. మానవ మేధస్య (Human Brain) నుండి ఇది ప్రేరణ పొందింది. దాంతో, కృతిమ నాడీ నెట్వర్క్స్ (Artificial Neural Networks) అభివృద్ధి చెందింది. నేటికి ఇది ఆధునిక AI యొక్క మౌలికమైన నాడీవ్యవస్థగా కొనసాగుతుంది. నియమార్థిత సిస్టమ్స్తో పోలిస్తే, స్క్యారల్ నెట్వర్క్ పెద్దఎత్తున data నుండి గ్రహిస్తాయి. సమూహాలను గుర్తించి, ప్రతి పరిస్థితికి అనుగుణంగా (ప్రత్యేకంగా ప్రోగ్రామ చేయకపోయిన) భవిష్యతాణిని అందిస్తాయి. డీప్ లెర్నింగ్ (Deep Learning) అనేది అనేక పొరలలో (multiple layers) ఉన్న నెట్వర్క్సు ఉపయోగించే మేహిన్ లెర్నింగ్ (Machine Learning) యొక్క ఉపవర్గం. చిత్రాల గుర్తింపు మరియు సహజ భాషా ప్రక్రియ మొదలగు రంగాలలో ప్రతపోత్సవమైన వృద్ధి సాధించడానికి దీహదపడింది. ఇమేజ్ గుర్తింపు, భాషా ప్రాసెసింగ్ వంటి రంగాలలో పురోగతి సాధించినా ఇంకా పెద్ద సహక్రమ్య ఉన్నాయి. అనుకరణ కాకుండ, నిజమైన వైతన్యం, లేదా స్వపరిజ్ఞానం కలిగిన యంత్రాన్ని స్ఫైంచడం సుదూర లక్ష్మీ, తదుపరి, సహజ భాషాసరళి సమాజంలో మరింత మిలితమవుతున్నాడ్ది, అల్గోరిథమ్స్ లో పాక్షికత, ఉద్యోగాల తోలగింపు మరియు దుర్యినియోగం వంటి అంశాలపై సైతిక విమర్శ మరింత ముఖ్యమైన సమస్యలుగా మారుతున్నావి.

Sub questions

**Question Number : 11 Question Id : 89874129236 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

What was the main limitation of "good old-fashioned AI" (GOFAI)?

గుడ్సెట్ ఫాషన్డ్ AI (GOFAI) యొక్క పరిమితి ఏమిటి?

Options :

It was too dependent on data.

ఇది దేటాపై ఎక్కువగా ఆధారపడి ఉండేది

898741115241. *

It could not pass the Turing Test.

898741115242. ✘ ఇది టుర్సింగ్ టెస్ట్ ను పాన్ చేయలేకపోయింది

It could not handle tasks that required common sense or real-world information.

ఇది సామాన్య జ్ఞానం లేదా నిజజీవిత సమాచారాన్ని అవసరమైన పనులను నిర్వహించలేకపోయింది.

898741115243. ✓

It was inspired by the human brain.

ఇది మానవ మస్తిష్కం నుండి ప్రేరణ పొందింది.

898741115244. ✘

Question Number : 12 Question Id : 89874129237 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

According to the passage, what is the primary advantage of artificial neural networks?

పారంలో పేరొన్న ప్రకారం, కృతిమ నాడి జాలాల (artificial neural networks) ప్రథాన లాభం ఏమిటి ?

Options :

They are better at symbolic reasoning.

అవి చిహ్నిత్వక తర్వంలో (symbolic reasoning) మెరుగ్గ ఉంటాయి.

898741115245. ✘

They do not require a lot of data.

898741115246. ✘ వాటికి ఎక్కువ దేటా అవసరం లేదు

They learn patterns from data instead of being programmed with explicit rules.

అవి స్పష్టమైన నియమాలతో ప్రోగ్రామ్ చేయబడకుండా, దేటా నుండి నమూనాలను నేర్చుకుంటాయి.

898741115247. ✓

They were the first type of AI developed.

898741115248. ✘ ఇది మొదట రూపొందించిన AI రకం

Question Number : 13 Question Id : 89874129238 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

The passage suggests that modern AI has achieved breakthroughs in which of the following areas?

పారంలో సూచించబడిన ప్రకారం, ఆధునిక AI ఈ క్రింది ఏ ప్రాంతాల్లో పురోగతిని సాధించింది.

Options :

Passing the Turing Test for all tasks.

అన్ని పనుల కోసం ట్యూరింగ్ టెస్ట్ చేయడం

898741115249. ❌

Achieving true consciousness.

నిజమైన వైతన్యాన్ని సాధించడం

898741115250. ❌

Solving real-world problems using rule-based systems.

నియమాధారిత వ్యవస్థలను ఉపయోగించి నిజబీవిత సమస్యలను పరిష్కరించడం

898741115251. ❌

Image recognition and natural language processing.

చిత్ర గుర్తింపు మరియు సహజ భాషా ప్రాసెసింగ్

898741115252. ✓

**Question Number : 14 Question Id : 89874129239 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The passage implies that the ethical concerns surrounding AI are primarily related to its:

పారం ప్రకారము AI చుట్టూ ఏర్పడిన నైతిక సమస్యలు ప్రధానంగా ఏ అంశాలకు సంబంధించాయి ?

Options :

Age and historical development.

వయస్సు మరియు చారిత్రక అభివృద్ధి

898741115253. ❌

Integration into society and potential for misuse and bias.

సహజంలో ఇంటిగ్రేషన్ మరియు దుర్బునియోగం, పక్షికత అవకాశాలు

898741115254. ✓

Dependence on logic and math.

లాజిక్ మరియు గణితముపై ఆధారపడడం

898741115255. ❌

898741115256. ❌

Similarity to the human brain.
మానవ మన్సిపుంతో సమానత్వం

Question Number : 15 Question Id : 89874129240 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Which of the following statements best reflects the overall theme of the passage?

క్రింది వాటిలో ఏ వాఖ్యం పొరంలోని ప్రధాన అంశాన్ని (overall theme) అత్యుత్తమంగా ప్రతిపించిస్తుంది

Options :

898741115257. * AI research is largely a dead-end, as evidenced by its early failures.
AI పరిశోధన ప్రధానంగా విఫలమని, ప్రారంభ విఫలతలతో స్పష్టమవుతుంది

898741115258. ✓ The development of AI has been a gradual process with both successes and ongoing challenges.
AI అభివృద్ధి ఒక క్రమ (gradual) ప్రక్రియ, దీని లోపల విజయాలు మరియు కొనసాగుతున్న సవాళ్లు ఉన్నాయి.

898741115259. * Modern AI is already more intelligent than humans.
అధునిక AI ఇప్పటికే మానవ బుద్ధిని మించిన స్థాయిలో ఉంది

898741115260. * The most important aspect of AI is its ability to pass the Turing Test.
AI లో అత్యంత ముఖ్యమైన అంశం టుర్సింగ్ టెస్ట్ పాస్ చేయగల సామర్థ్యం

Sub-Section Number :

3

Sub-Section Id :

8987411195

Question Shuffling Allowed :

Yes

The response of the receiver to the sender's message is called:

పంపిన వ్యక్తి (sender) యొక్క సందేశానికి స్వీకరించిన వ్యక్తి (receiver) ఇచ్చే
ప్రతిస్పందనను ఏమని అంటారు?

Options :

898741115261. ❌ Encoding
సంకేతీకరణ

898741115262. ❌ Decoding
సంకేతపివరణ

898741115263. ✓ Feedback
ప్రతిస్పందన

898741115264. ❌ Channel
మార్గం

Which type of communication includes gestures, facial expressions, and body language?
పోవభావము, ముఖాభీసులు, శరీర భాషను (body language) ఉపయోగించే సంబంధం ఏ రకానికి చెందుతుంది?

Options :

898741115265. ✘ Verbal communication
పోషిక సంబంధం

898741115266. ✘ Written communication
ప్రాత సంబంధం

898741115267. ✓ Non-verbal communication
అపోషిక సంబంధం

898741115268. ✘ Formal communication
ప్రామాణిక సంబంధం

When a manager holds a formal meeting to give instructions to all team members, what type of communication is being used ?

ఒక మేనేజర్, అన్ని టీమ్ సభ్యులకు సూచనలు ఇచ్చే విధంగా అధికారిక సమావేశాన్ని

నిర్వహించినప్పుడు, ఏ రకమైన కమ్యూనికేషన్ ఉన్నయాగించబడుతుంది ?

Options :

Horizontal

898741115269. ✘ సమాంతర

Vertical

898741115270. ✘ నిలవురేఖ

Informal

898741115271. ✓ అనధికారిక

Visual

898741115272. ✘ దృశ్య

One of the "7 Cs" of effective communication, which emphasizes being brief and to the point, is:

సమర్థవంతమైన కమ్యూనికేషన్లో "7 Cs"లో ఏది సందేశానికన చిన్నది, స్పష్టంగా మరియు నేరుగా ఉంచడంపై దృష్టి సారిస్తుంది?

Options :

Courtesy

898741115273. ✘ వినయం

Coherence

898741115274. ✘ సమగ్రత

Conciseness

898741115275. ✓ సంక్షిప్తత

Correctness

898741115276. ✘ సరైనదైనది

Question Number : 20 Question Id : 89874129245 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

"Grapevine" communication is another name for which type of communication?

"గ్రేపవైన్" కమ్యూనికేషన్ అనేది ఏ రకమైన కమ్యూనికేషన్?

Options :

Official

అధికారిక

898741115277. *

Formal

ప్రామాణిక

898741115278. *

Informal

అనధికారిక

898741115279. ✓

Horizontal

సమాంతర

898741115280. *

Two persons P and Q walk around a circular path in a park. They start at 7AM at the same point but in opposite direction. P and Q walk at the rate of 3 rounds and 6 rounds per hour respectively. By what time they cross each other 7 times?

ఒక పార్కలోని వృత్తాకార బాట గుండా ఇద్దరు వ్యక్తులు P మరియు Q లు నడుస్తారు. ఉ. 7 గంటలకు వారు ఒకే స్థానం నుండి మరియు వ్యతిరేక దిశలలో నడక ప్రారంభిస్తారు. P మరియు Q లు వరుసగా గంటకు 3 రోండ్లు మరియు 6 రోండ్లు పూర్తి చేయగలరు. ఏ సమయాన వారు ఒకరి నొకరు 7 సార్లు దాటుతారు?

Options :

7.40 AM

ఉ. 7.40

898741115281. ✓

7.30 AM

ఉ. 7.30

898741115282. *

7.50 AM

ఉ. 7.50

898741115283. *

7.52 AM

ఉ. 7.52

898741115284. *

Working efficiencies of three persons A,B and C in completing a work are as follows:

A finishes $a\%$ of the work in b days, B finishes $b\%$ of the work in c days, and C finishes $c\%$ of the work in a days, where a,b,c are positive integers. Then the ratio of working efficiencies of A,B,C is

ఒక పనిని పూర్తిచేయటలో ముగ్గురు వ్యక్తుల వ్యక్తుల ప్రాంగం క్రింది విధంగా ఉంది: $a\%$ పనిని A అనే వ్యక్తి b రోజులలో, $b\%$ పనిని B అనే వ్యక్తి c రోజులలో, మరియు $c\%$ పనిని C అనే వ్యక్తి a రోజులలో పూర్తిచేయగలరు. ఇక్కడ a,b,c లు ధనపూర్ణ సంఖ్యలు.
అప్పుడు A,B,C పని తనముల నిష్పత్తి:

Options :

$$ab^2 : a^2c : bc^2$$

898741115285. *

$$a^2c : ab^2 : bc^2$$

898741115286. ✓

$$bc^2 : ab^2 : a^2c$$

898741115287. *

$$a^2c : bc^2 : ab^2$$

898741115288. *

If A is the sister of the daughter of B's daughter, then A is related to B as

B యొక్క కూతురు యొక్క కూతురుకి సోదరి A అయితే B తో A కు గల బంధుత్వం ఏది?

Options :

A is the daughter of B

B యొక్క కూతురు A

898741115289. *

A is the younger sister of B

B యొక్క చిన్న సోదరి A

898741115290. *

A is grand daughter of B

B యొక్క మనవరాలు A

898741115291. ✓

A is the elder sister of B

B యొక్క పెద్దకు A

898741115292. *

**Question Number : 24 Question Id : 89874129249 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

A customer has some amount of money to purchase 16 identical articles. When the customer gets 20 articles? The customer gets 20 articles for the marked price of 16 articles with a discount. Then the percentage of discount is

ఎక వినియోగదారుడి వర్ష 16 ఒకే రకమైన వస్తువులను కొనడానికి కొంత దబ్బు కలదు. అ వినియోగ దారుడు 16 వస్తువుల ప్రకటిత వెలకే 20 వస్తువులను డిస్కౌణ్టుతో పొందుతాడు.

అప్పుడు తగ్గింపు శాతం

Options :

15

898741115293. *

20

898741115294. ✓

22

898741115295. *

25

898741115296. *

**Question Number : 25 Question Id : 89874129250 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

If $a, 1a, 3a9, a41$ are four numbers written in decimal system with $0 \leq a \leq 9$, whose sum is 1032, then $a =$

$0 \leq a \leq 9$ అవుతూ, $a, 1a, 3a9, a41$ లు దశాంశమానంలో ప్రాపిన నాలుగు సంఖ్యల మొత్తం

1032 అయినచో $a =$

Options :

9

898741115297. *

4

898741115298. *

5

898741115299. *

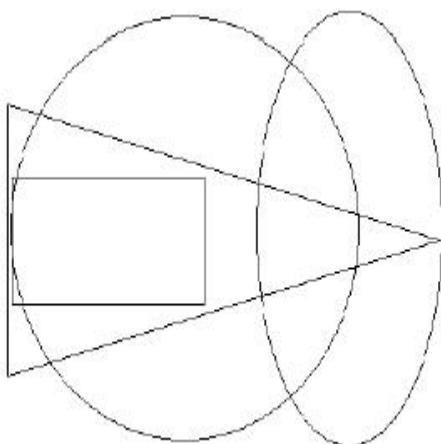
6

898741115300. ✓

Correct Marks : 2 Wrong Marks : 0

In the following figure, the triangle represents graduates, the rectangle represents police officers, the circle represents income tax payers and the ellipse represents the shop keepers. Based on the figure, which of the following is correct?

(క్రింది పటంలో త్రిభుజం పట్టభద్రులను సూచిస్తుంది, పోలీసు అధికారులను దీర్ఘవతురప్పం, అదాయపు పన్ను చెల్లించు వారిని వృత్తం మరియు దుకాణాదారులను దీర్ఘవృత్తం సూచిస్తాయి. ఈ పటం అధారంగా క్రింది వాటిలో ఏది సరైనది?



Options :

None of the non-graduate shopkeepers is a policeman and a non-graduate police man is a shop keeper.

పట్టభద్రులు కానీ దుకాణాదారులలో ఎవ్వరూ పోలీసు అధికారి కాదు మరియు ఒక పట్టభద్రుడు కానీ పోలీసు ఒక దుకాణాదారు.

898741115301. *

Some of the graduate shopkeepers are income tax payers even though they discharge duties as police officers.

కొందరు పోలీసు అధికారులుగా విధులు నిర్వర్తించినప్పటికీ వారు పట్టభద్రులైన దుకాణాదారులై ఉండి పన్ను చెల్లింపుదారులై ఉన్నారు.

898741115302. *

Some of the graduate police officers who pay income tax are graduate shopkeepers.

పన్ను చెల్లించే కొందరు పట్టభద్రులైన పోలీసు అధికారులు పట్టభద్రులైన దుకాణాదారులై ఉన్నారు.

898741115303. *

None of the graduate shop keepers is a police officer nor a graduate police officer a shopkeeper.

పట్టభద్రులైన దుకాణాదారులైవ్వరూ పోలీసు అధికారులు కారు, ఏ పట్టభద్రులైన పోలీసు అధికారి దుకాణాదారు కారు.

898741115304. ✓

**Question Number : 27 Question Id : 89874129252 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The triplet of numbers that is similar to the triplet (91,77,143) among the following is

క్రింది వాటిలో (91, 77, 143) అనే త్రికంనకు సారూప్యంగా ఉన్న త్రికం

Options :

898741115305. * (109, 119, 99)

898741115306. * (117, 121, 187)

898741115307. ✓ (119, 323, 437)

898741115308. * (99, 90, 143)

In syllogistic logic, what does the “mood” of a syllogism represent?

సిలాజిస్టిక్ తర్వాతిలో ఒక సిలాజిసం యొక్క ‘మానసిక స్థితి’ని ఏది తెలియజేస్తుంది?

Options :

The emotional feeling expressed

భావాద్వేగ భావనను వ్యక్తపరుస్తుంది

898741115309. *

The arrangement of major and minor premises

మేజర్ మరియు మైనర్ అవరణల అమరిక

898741115310. *

The types of categorical propositions in order

ఒక క్రమంలో వివిధ రకాల వర్గికృత ప్రతిపాదనలు

898741115311. ✓

The validity of the conclusion

ముగింపు యొక్క చెల్లుబాటు

898741115312. *

Which of the following best illustrates the use of Upamana as a means of knowledge?

క్రింది వాటిలో ఏది జ్ఞానానికి మార్గంగా ఉపమానను బాగా విశదికరిస్తుంది?

Options :

Hearing thunder and inferring the presence of rain

ఉరుములు మెరుపులతో కూడిన వర్షం చెవిని పడటం

898741115313. *

Recognizing a new animal after a verbal description compares it to a known animal

ఒక కొత్త జంతువును హోఫిక వివరణ ద్వారా దానిని ఒక తెలిసిన జంతువుతో

పోల్చుకోగలగటం

898741115314. ✓

Remembering an old event

ఒక పాత సంఘటనను గుర్తుకుంచుకోవడం

898741115315. *

Directly seeing a bird

నేరుగా ఒక పక్కిని చూడటం

898741115316. *

Which kind of Anumana is illustrated by concluding that “Since the river is swollen, it must have rained upstream”?

‘బహుశా ఎగువన వర్షం పడటం వల్లనేమో నది ఉప్పుంగి ప్రవహిస్తోంది’ అనే ముగింపు అనుమానంలో ఏ రకాన్ని వివరిస్తుంది?

Options :

898741115317. ❌ Purvavat (from cause to effect)
పూర్వావత్

898741115318. ✓ Sheshavat (from effect to cause)
శేషావత్

898741115319. ❌ Samanyatodrishta (from general concomitance)
సామాన్యతోద్రిష్ట

898741115320. ❌ Asiddha (fallacious inference) (GIVE VATHU)
అసిద్ధ

Sub-Section Number :

4

Sub-Section Id :

8987411196

Question Shuffling Allowed :

No

Question Id : 89874129256 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix

Question Numbers : (31 to 35)

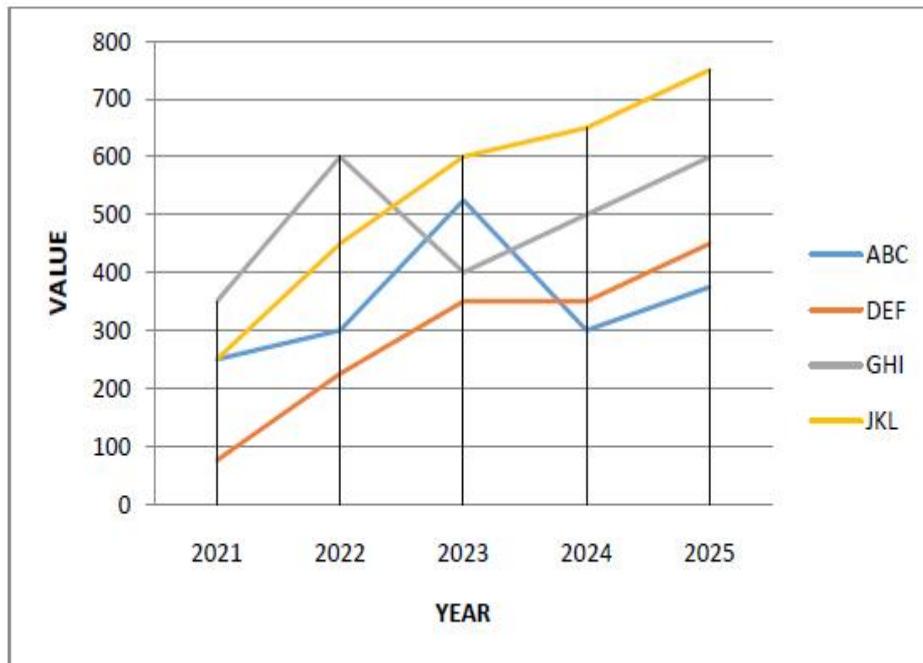
Question Label : Comprehension

Answer the questions from 31 to 35 based on the following diagram.

క్రింది పటం అధారంగా 31 నుండి 35 వరకు గల ప్రత్యులకు జవాబులనిమ్ము.

Company Performance (2021 – 2025)

కంపనీ పనితీరు (2021 – 2025)



Sub questions

Question Number : 31 Question Id : 89874129257 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

From 2021-2022 years which company has earned least percentage increase in its value?

2021 నుండి 2022 సంవత్సరాలలో ఏ కంపనీ దాని విలువలో అత్యంత తక్కువ పెరుగుదల శాతం పొందినది?

Options :

898741115321. DEF

898741115322. GHI

898741115323. ABC

898741115324. * JKL

Question Number : 32 Question Id : 89874129258 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Which company has shown highest growth during the years 2023 to 2025?

2023 నుండి 2025 సంవత్సరాలలో అత్యధిక పెరుగుదలను చూపేన కంపెనీ ఏది?

Options :

898741115325. * ABC

898741115326. * GHI

898741115327. ✓ DEF

898741115328. * JKL

Question Number : 33 Question Id : 89874129259 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Between the years 2021-2025, which company achieved the highest percentage increase in its value?

2021-2025 సంవత్సరాల మధ్య ఏ కంపెనీ దాని విలువలో అత్యధిక పెరుగుదల శాతం సాధించింది?

Options :

898741115329. * ABC

898741115330. ✓ DEF

898741115331. * GHI

898741115332. * JKL

**Question Number : 34 Question Id : 89874129260 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

What is the approximate ratio of DEF's value to JKL's value in the year 2025?

2025 సంవత్సరంలో DEF యొక్క విలావకు, JKL యొక్క విలావకు గల రహారమి నిష్పత్తి ఎంత?

Options :

898741115333. ✓ 3:5

898741115334. ✗ 2:3

898741115335. ✗ 5:8

898741115336. ✗ 3:4

**Question Number : 35 Question Id : 89874129261 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which company shows continuous growth from 2021 to 2025 without a decline in any year?

2021 నుండి 2025 వరకు ఏ సంవత్సరంలోను తగ్గకుండా అపిచ్చిస్తూంగా పెరుగుదలను చూపిన కంపెనీ ఏది?

Options :

898741115337. ✗ DEF

898741115338. ✗ GHI

898741115339. ✓ JKL

898741115340. ✗ XYZ

Sub-Section Number :

5

Sub-Section Id :

8987411197

Question Shuffling Allowed :

Yes

Question Number : 36 Question Id : 89874129262 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

What is the full form of OCR?

OCR යොකු ප්‍රාදි රාපන බ්ලී?

Options :

Optical Character Recognition

අප්පිකල් කාරුරුදු රිකිුත්වන්

898741115341. ✓

Optical Cell Reader

අප්පිකල් පෙල් රිදර්

898741115342. *

Optical Corrector Recalculation

අප්පිකල් කරුකුරු රිකාලුකල්වන්

898741115343. *

Optical Corrector Rule

අප්පිකල් කරුකුරු රාල්

898741115344. *

Question Number : 37 Question Id : 89874129263 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

What is the email attachment size limit in Gmail?

Gmail ලේ ප්‍රේමාත්‍ර මාසුන් පැවත්වන පරිමිය න්‍යුත?

Options :

10 MB

898741115345. *

15 MB

898741115346. *

25 MB

898741115347. ✓

40 MB

898741115348. *

**Question Number : 38 Question Id : 89874129264 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

What is the primary distinguishing feature between an audio conference and a video conference?

అడియో కాస్టమ్ మరియు వీడియో కాస్టమ్ మధ్య ప్రాథమిక ప్రశ్నక లక్షణం ఏమిటి ?

Options :

The cost of equipment required

అవసరమైన పరికరాల ధర

898741115349. *

The number of participants involved

పార్టీనేపారి సంఖ్య

898741115350. *

The mode of communication

కమ్యూనికేషన్ విధానం

898741115351. ✓

The level of interaction

పరస్పర చర్య స్తాయి

898741115352. *

What does the acronym NMEICT stand for in the context of digital initiatives?

డిజిటల్ చౌరవల సందర్భంలో NMEICT అనే సంక్లిష్ట పదం దేనిని సూచిస్తుంది ?

Options :

898741115353. ✖ National Mission on E-governance through ICT
నేపసల్ మిషన్ అన్ ఈ-గవర్నెన్స్ త్రూ ICT

898741115354. ✓ National Mission on Education through ICT
నేపసల్ మిషన్ అన్ ఎడ్యూకేషన్ త్రూ ICT

898741115355. ✖ National Mission on Education and Training through ICT
నేపసల్ మిషన్ అన్ ఎడ్యూకేషన్ అండ్ ట్రైనింగ్ త్రూ ICT

898741115356. ✖ National Mission on E-learning through ICT
నేపసల్ మిషన్ అన్ ఈ-లెర్నింగ్ త్రూ ICT

Question Number : 40 Question Id : 89874129266 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

NPTEL is an initiative of which institutions?

NPTEL ఇ సంస్థల చౌరవ?

Options :

898741115357. ✘ IITs and IIMs
ఐఐటీలు మరియు ఐఐఎంలు

898741115358. ✓ IITs and IISc
ఐఐటీలు మరియు ఐఐఎస్సి

898741115359. ✘ AIIMS and IISc
ఎయిమ్స్ మరియు ఐఐఎస్సి

898741115360. ✘ NCERT and AIIMS
ఎస్సిఎస్టి మరియు ఎయిమ్స్

Question Number : 41 Question Id : 89874129267 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

How many goals are in the Sustainable Development Agenda?

సుస్థిర అభివృద్ధి అజెండాలో ఎన్ని లక్ష్యాలు ఉన్నాయి.

Options :

898741115361. ✘ 8

898741115362. ✘ 12

898741115363. ✓ 17

898741115364. ✘ 20

What is the primary impact of increased fossil fuel consumption by humans?

మానవులు శిలాజ ఇంధన వినియోగం పెరగడం వల్ల కలిగే ప్రాథమిక ప్రభావం ఏమిటి ?

Options :

Decreased soil erosion
మట్టి పొరల క్షుయం తగ్గటం

898741115365. *

Improved air quality
మెరుగైన గాలి నాయైత

898741115366. *

Triggering climate change and greenhouse gas emissions
వాతావరణ మార్పు మరియు గ్రీన్‌హౌస్ వాయు ఉద్ధరాలను ప్రేరేపించడం

898741115367. ✓

Enhanced ocean health
మెరుగైన సముద్ర అరోగ్యం

898741115368. *

Which of the following pollutants, when present in soil, can be taken up by plants and pose a risk to human health through the food chain?

కింది కాలుప్పు కారకాలలో ఏది నేలలో ఉన్నప్పుడు మొక్కలు గ్రహించి అహార గొలుసు ద్వారా మానవ అరోగ్యానికి హని కలిగిస్తాయి?

Options :

Organic fertilizers

సేంద్రియ ఎరువులు

898741115369. *

Excessive nitrates from agricultural runoff

వ్యవసాయ వ్యర్థాల నుండి అధిక నైట్రోజెన్లు

898741115370. *

Biodegradable organic waste

బయోడిగ్రేడబిల్ సేంద్రియ వ్యర్థాలు

898741115371. *

Heavy metals such as lead and mercury

సీనం మరియు పొదరసం వంటి భారీ లోహాలు

898741115372. ✓

Hydropower generates electricity by converting the potential energy of stored water into which type of energy using turbines?

నిల్వ చేయబడిన నీటి యొక్క సంభావ్య శక్తిని ఉద్ఘ్యానములను ఉపయోగించి ఏ రకమైన శక్తిగా మార్పుదం ద్వారా జలశక్తి విద్యుత్తును ఉత్పత్తి చేస్తుంది ?

Options :

Thermal energy

ఉష్ణ శక్తి

898741115373. ✘

Chemical energy

రసాయన శక్తి

898741115374. ✘

Kinetic energy

గతి శక్తి

898741115375. ✓

Nuclear energy

అణు శక్తి

898741115376. ✘

The Montreal Protocol is an international treaty designed to protect the ozone layer by phasing out the production and consumption of:

మాంట్రీయల్ ప్రోటోకాల్ అనేది ఈ క్రింది వాటి ఉత్పత్తి మరియు వినియోగాన్ని దశల వారీగా తొలగించడం ద్వారా ఓషణ్ పొరను రక్షించడానికి రూపొందించబడిన ఒక అంతర్జాతీయ ఒప్పందం:

Options :

Chlorofluorocarbons (CFCs)
క్లోరోఫ్లూరోకార్బన్లు (CFCs)

898741115377. ✓

Greenhouse gases
గ్రీన్‌హౌస్ వాయవులు

898741115378. *

Persistent organic pollutants (POPs)
నిరంతర సేంద్రీయ కాలుప్య కారకాలు (POPs)

898741115379. *

Carbon dioxide equivalents
కార్బన్ డయాక్విడ్ సమానమైనవి

898741115380. *

Which Gupta emperor is traditionally credited with founding the Nalanda University in the 5th century CE?

5వ శతాబ్దంలో నలంద విశ్వవిద్యాలయాన్ని స్థాపించిన గుప్త చక్రవర్తి ఎవరు?

Options :

Chandragupta Maurya
వంద్రగుప్త హౌర్య

898741115381. *

Ashoka
అశోకుడు

898741115382. *

Kumaragupta- I
కుమారగుప్తుడు - I

898741115383. ✓

Harsha
హర్షుడు

898741115384. *

The liberalization of the Indian economy in the 1990s led to which impact on higher education?

1990లలో భారత అర్థిక వ్యవస్థ సరళీకరణ ఉన్నత విద్యాలై ఎలాంటి ప్రభావానికి దారితీసింది.

Options :

A decline in educational standards and quality.

898741115385. ✘ విద్యా ప్రమాణాలు మరియు నాణ్యతలో క్లీషట

Increased access to higher education for rural students.

898741115386. ✘ గ్రామీణ విద్యార్థులకు ఉన్నత విద్యకు ప్రాప్యత పెరిగింది

A significant increase in the availability of professional courses and institutions

898741115387. ✓ ప్రాఫెషనల్ కోర్సులు మరియు సంస్థల లభ్యతలో గణనీయమైన పెరుగుదల

Government monopolization of the education sector.

898741115388. ✘ విద్యా రంగం యొక్క ప్రభుత్వ ఏకస్యామ్యం

Which of the following is an example of a non-conventional learning program?
ఈ కింది వాటిలో ఏది సాంప్రదేయతర అభ్యాస కార్యక్రమానికి ఉదాహరణ?

Options :

A traditional temple education system.

సాంప్రదాయ ఆలయ విద్య విధానం

898741115389. *

A brick-and-mortar university classroom.

ఇటుక మరియు మోర్టార్ విశ్వవిద్యాలయ తరగతి గది

898741115390. *

The ancient Gurukul system of education.

పురాతన గురుకుల విద్య విధానం

898741115391. *

Distance learning programs offered by institutions like IGNOU.

ఇగ్నౌ వంటి సంస్థలు అందించే దూరవిద్య కార్యక్రమాలు

898741115392. ✓

Correct Marks : 2 Wrong Marks : 0

According to the National Education Policy (NEP) 2020 in India, what is one of the key goals concerning skill development?

భారతదేశంలో జాతీయ విద్య విధానం (NEP) 2020 ప్రకారం, నైపుణ్యభివృద్ధికి సంబంధించిన ముఖ్య లక్ష్యాలలో ఒకది ఏమిటి?

Options :

898741115393. ❌ To eliminate technical and vocational education entirely
సాంకేతిక మరియు వృత్తి విద్యను ఫూర్టిగా తొలగించడం

898741115394. ✓ To introduce vocational training from Class 6 onwards
6వ తరగతి నుండి వృత్తి శిక్షణను ప్రవేశపెట్టడం

898741115395. ❌ To promote an exam-centric approach to learning
పరీక్షా కేంద్రీకృత అభ్యాస విధానాన్ని ప్రోత్సహించడం

898741115396. ❌ To extend the duration of courses in higher education
ఉన్నత విద్యలో కోర్సుల వ్యవధిని పొడగించడం

Correct Marks : 2 Wrong Marks : 0

What is a key role of Civil Society Organizations (CSOs) in policy-making within a democratic system?

ప్రజాస్వామ్య వ్యవస్థలో విధాన రూపకల్పనలో పోర సమాజ సంస్థల (CSOs) కీలక పాత్ర ఏమిటి?

Options :

898741115397. ✓ Acting as a watchdog to ensure government accountability
ప్రభుత్వ జవాబుదారీతనాన్ని నిర్దారించడానికి కాపలాదారుగా వ్యవహరించడం

898741115398. ✗ Exclusively providing direct political leadership
ప్రత్యేకంగా ప్రత్యక్ష రాజకీయ నాయకత్వాన్ని అందించడం

898741115399. ✗ Suppressing the voice of marginalized communities
అణగారిన వర్గాల గొంతును అణచివేయడం

898741115400. ✗ Enforcing governmental laws
ప్రభుత్వ చట్టాలను అమలు చేయడం

Paper II

Section Id :	898741386
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	100
Number of Questions to be attempted :	100
Section Marks :	200
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	8987411198
Question Shuffling Allowed :	Yes

**Question Number : 51 Question Id : 89874129277 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The recommendations that Physical training be introduced in all the schools and different games, gymnastics activities and drills be included in the Programme based on the needs and interests of the school students. Were given by which of the followings in 1882.

Options :

898741115401.  Indian Education Commission

898741115402.  Indian Education and Sports Commission

898741115403.  Indian Sports Commission

898741115404.  Indian commission for Sports development.

**Question Number : 52 Question Id : 89874129278 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The Olympic Games of 1896 were financed by which of the following?

Options :

898741115405.  International Olympic Committee

898741115406.  George Averoff

898741115407.  British and American Government

898741115408.  Baron D Coubertin

**Question Number : 53 Question Id : 89874129279 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following Philosopher was not the Naturalist Educational Philosopher?

Options :

898741115409. ❌ Democritus

898741115410. ❌ Rousseau

898741115411. ❌ Comenius

898741115412. ✓ Plato

**Question Number : 54 Question Id : 89874129280 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following has defined Physical Education as “It is the sum of man's physical activities selected as to kind and conducted as to outcomes”

Options :

898741115413. ✓ J. F. Williams

898741115414. * Barrow and Brown

898741115415. * Archibald Maclaren

898741115416. * J.B. Nash

**Question Number : 55 Question Id : 89874129281 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

In which year Sports Authority of India was established?

Options :

898741115417. 1980

898741115418. 1984

898741115419. 1974

898741115420. 1986

**Question Number : 56 Question Id : 89874129282 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Who is considered as “The father of recreational camping”?

Options :

898741115421. Jane Phillips

898741115422. G. D. Sonndhi

898741115423. Admin Hillary

898741115424. Thomas Hiram Holding

Correct Marks : 2 Wrong Marks : 0

Considering the following statements related to development of Physical Education and find the correct statements:

- i. Denmark was the first European nation to introduce gymnastics class in the school curriculum.
- ii. Ling Laid the foundation of Swedish system of gymnastics.
- iii. In 1814, Royal Central Institute of Gymnastics was opened in Germany.
- iv. The German System involved mass drills so that large numbers can exercise at one time.

Choose the correct answer from the options given below:

Options :

898741115425. ❌ Only i, iii and iv are correct

898741115426. ❌ Only ii, iii and iv are correct

898741115427. ❌ Only i, ii and iv are correct

898741115428. ✓ Only i and ii are correct

During Ancient Olympics which of the following events were part of Pentathlon?

- i. High Jump
- ii. Javelin Throw
- iii. Shot Put
- iv. Wrestling
- v. Stade Race
- vi. Long Jump
- vii. Horse Racing
- viii. Discus Throw

Choose the correct answer from the options given below:

Options :

898741115429. ✘ Only i, ii, iii, iv and viii are correct

898741115430. ✘ Only ii, iii, iv, v and vii are correct

898741115431. ✘ Only i, iii, iv, v and vii are correct

898741115432. ✓ Only ii, iv, v, vi and viii are correct

**Question Number : 59 Question Id : 89874129285 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following are correct related to philosophy of Physical Education?

- i. Humanism is a philosophy of reason and science in the pursuit of knowledge.
- ii. Naturalism set norms and standards of behaviour, achievements, conduct and morality.
- iii. Idealism looks upon nature as the prime mover of all life activities.
- iv. Pragmatism is not a orthodox philosophy but a dynamic concept predating even idealism and realism.

Options :

only i, ii and iii are correct

898741115433. ✘

898741115434. ✘ only i, iii and iv are correct

only ii, iii and iv are correct

898741115435. ✘

only i and iv are correct

898741115436. ✓

**Question Number : 60 Question Id : 89874129286 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Arrange the colors of Olympic rings present in the upper row in a sequence order from your Right to left.

i. Yellow ii. Green iii. Blue iv. Red v. Black

Options :

898741115437. ✘ iii, v, iv

898741115438. ✓ iv, v, iii

898741115439. ✘ iii, v, ii

898741115440. ✘ iii, ii, v

**Question Number : 61 Question Id : 89874129287 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following vitamin and its technical name is not correctly matched?

Options :

898741115441.  Vitamin B1: Thiamine

898741115442.  VitaminB6: Pantothenic Acid

898741115443.  Vitamin B3: Niacin

898741115444.  Vitamin B2: Riboflavin

**Question Number : 62 Question Id : 89874129288 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct?

- i) Amphetamines decrease the sense of fatigue.
- ii) Pseudoephedrine has characteristics similar to amphetamines
- iii) Caffeine does not give glycogen sparing effect.

Options :

898741115445.  Only i and ii are correct

898741115446.  Only i and iii are correct

898741115447.  Only ii and iii are correct

898741115448.  All i, ii and iii are correct

**Question Number : 63 Question Id : 89874129289 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct about Body heat transfer?

- i) During exercise, most heat is lost via evaporation
- ii) Body heat is transferred only by conduction, convection and evaporation.
- iii) At rest, most heat is lost via conduction and convection.

Options :

898741115449.  Only i is correct

898741115450.  Only i and iii are correct

898741115451.  Only ii and iii are correct

898741115452.  Only i and ii are correct

**Question Number : 64 Question Id : 89874129290 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The point when ventilation increases disproportionately to oxygen consumption due to increase in exercise intensity, is known as:

Options :

898741115453.  Lactate threshold

898741115454.  Dyspnea threshold

898741115455.  Pulmonary threshold

898741115456.  Ventilatory threshold

Question Number : 65 Question Id : 89874129291 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is/are correct about sympathetic nervous system?

- i) It is also known as fight-or-flight system
- ii) It has no effect on the strength of cardiac contraction
- iii) It decreases Metabolic rate

Options :

Only i and ii are correct

898741115457. ✘

Only i and iii are correct

898741115458. ✘

Only ii and iii are correct

898741115459. ✘

Only i is correct

898741115460. ✓

Question Number : 66 Question Id : 89874129292 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is/are correct?

- i. One mole of glucose yields 6 mole of ATP, but 1 mol of glycogen yields 4 mole of ATP.
- ii. In the ATP-PCr system, Pi is separated from PCr through the action of creatine kinase.
- iii. The ATP-PCr and glycolytic systems are major contributors of energy during short- burst activities lasting up to 2 min.

Options :

Only i and ii are correct

898741115461. ✘

Only i and iii are correct

898741115462. ✘

Only ii and iii are correct

898741115463. ✓

Only ii is correct

898741115464. ✘

Question Number : 67 Question Id : 89874129293 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is/are correct?

- i) Type I and type II fibers of the same diameter generate about the different force.
- ii) Type II motor units tend to have more muscle fibers than do the type I motor units
- iii) Type II fibers tend to be larger than type I fibers.

Options :

898741115465.  Only i and ii are correct

898741115466.  Only i and iii are correct

898741115467.  Only ii and iii are correct

898741115468.  Only ii is correct

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is/are correct cardiac output blood distribution?

- i) Distribution of blood to various areas is controlled primarily at the level of the venules.
- ii) Skeletal muscle blood flow can increase to 80% or more during heavy endurance exercise.
- iii) Skeletal muscle normally receives about 35% of the cardiac output blood at rest.

Options :

898741115469. ✘ Only i and ii are correct

898741115470. ✘ Only i and iii are correct

898741115471. ✘ Only ii and iii are correct

898741115472. ✓ Only ii is correct

**Question Number : 69 Question Id : 89874129295 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct about pulmonary diffusion?

- i) Carbon dioxide crosses the membrane readily without a large pressure gradient
- ii) Carbon dioxide's diffusion coefficient is 20 times lesser than that of oxygen.
- iii) The pressure gradient for carbon dioxide exchange is more than for oxygen exchange.

Options :

898741115473.  Only i and ii are correct

898741115474.  Only i and iii are correct

898741115475.  Only ii and iii are correct

898741115476.  Only i is correct

**Question Number : 70 Question Id : 89874129296 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Metabolic process of creating glucose from non-carbohydrate sources.

Options :

898741115477.  Lipogenesis

898741115478.  Gluconeogenesis

898741115479.  Phospholipid genesis

898741115480.  Amylogenesis

**Question Number : 71 Question Id : 89874129297 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Arrange the following movements that are done in a sequence during Circumduction from first to last:

- i) Flexion
- ii) Adduction
- iii) Extension
- iv) Abduction
- v) Hyper Extension

Options :

898741115481. ✘ iii, ii, v, iv, i

898741115482. ✘ iii, ii, i, v, iv

898741115483. ✓ i, iv, iii, v, ii

898741115484. ✘ i, iv, v, ii, iii

**Question Number : 72 Question Id : 89874129298 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct?

- i) Transverse plane passes through the body horizontally and divides the body into superior and inferior parts.
- ii) Coronal plane passes through the body from front to back and divides the body into Front and Back parts.
- iii) Sagittal plane passes through the body from side to side and divides the body into sinister and Dexter parts.

Options :

898741115485. ✘ Only i and ii are correct

All i, ii and iii are correct

898741115486. ✓

898741115487. ✘ Only ii and iii are correct

Only i is correct

898741115488. ✘

**Question Number : 73 Question Id : 89874129299 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct about the movements at hip Joint?

- i) Abduction Movement: Sagittal plane and Frontal Axis
- ii) Flexion movement: Coronal axis and sagittal plane
- iii) Horizontal abduction: Transverse plane and vertical Axis

Options :

898741115489. ✘ Only i and ii are correct

898741115490. ✘ Only i and iii are correct

898741115491. ✓ Only ii and iii are correct

898741115492. ✘ Only iii is correct

**Question Number : 74 Question Id : 89874129300 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct?

- i) Mass is a measure of body's Inertia.
- ii) Mass is Scaler quantity
- iii) Kinematics deals with forces causing movement in a system.

Options :

898741115493. ✓ Only i and ii are correct

898741115494. ✘ Only i and iii are correct

898741115495. ✘ Only ii and iii are correct

898741115496. ✘ Only ii is correct

**Question Number : 75 Question Id : 89874129301 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct?

- i) The acceleration of the object depends only on the strength of the force applied.
- ii) Acceleration is inversely proportional to the mass of an object.
- iii) An object at rest tends to stay at rest due to its inertia.

Options :

898741115497. ✘ Only i and ii are correct

898741115498. ✘ Only i and iii are correct

898741115499. ✓ Only ii and iii are correct

898741115500. ✘ Only ii is correct

**Question Number : 76 Question Id : 89874129302 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

In which of the following type of equilibrium if force is applied on the object to bring in to new position so that in new position the centre of gravity of the object is raised but returns to the previous position after the force is withdrawn.

Options :

898741115501. ✘ Unstable equilibrium

898741115502. ✘ Neutral equilibrium

898741115503. ✓ Stable equilibrium

898741115504. ✘ Balanced equilibrium

**Question Number : 77 Question Id : 89874129303 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

In which of the following type of equilibrium if force is applied on the object to bring into new position so that in new position the earlier of gravity of the object is raised but returns to the previous position after the force is withdrawn.

Options :

Only i and ii are correct
898741115505. ✓

Only i and iii are correct
898741115506. ✗

Only ii and iii are correct
898741115507. ✗

All i, ii and iii are correct
898741115508. ✗

**Question Number : 78 Question Id : 89874129304 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The pes anserine is an insertion of three muscles, which of the following not its part?

Options :

Semimembranosus
898741115509. ✓

Gracilis
898741115510. ✗

Sartorius
898741115511. ✗

Semitendinosus
898741115512. ✗

**Question Number : 79 Question Id : 89874129305 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct about origin of Hamstring group of muscles?

- i) Biceps Femoris Muscle Long head: Ischial tuberosity
- ii) Semitendinosus Muscle: Ischial tuberosity
- iii) Semimembranosus Muscle: Tuberosity of Ischium

Options :

898741115513. ✘ Only i and ii are correct

898741115514. ✘ Only i and iii are correct

898741115515. ✘ Only ii and iii are correct

898741115516. ✓ All i, ii and iii are correct

**Question Number : 80 Question Id : 89874129306 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

In which of the following motion all the parts of the object move the same distance, in the same direction, and at the same time in a straight line?

Options :

898741115517. ✘ Translatory motion

898741115518. ✓ Rectilinear motion

898741115519. ✘ Curvilinear motion

898741115520. ✘ Angular motion

**Question Number : 81 Question Id : 89874129307 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The rate of rotary displacement is known as

Options :

898741115521. Angular Velocity

898741115522. Angular Acceleration

898741115523. Torque

898741115524. Couple

**Question Number : 82 Question Id : 89874129308 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

A ball is moving in the air with top spin, then higher pressure is seen in which part of the ball ?

Options :

898741115525. Lower part

898741115526. Right side

898741115527. Left Side

898741115528. Upper part

**Question Number : 83 Question Id : 89874129309 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The turning effect of eccentric force is known as

Options :

898741115529. ✘ Couple

898741115530. ✓ Torque

898741115531. ✘ Glide

898741115532. ✘ Spin

**Question Number : 84 Question Id : 89874129310 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is/are correct about Joint position for anatomical analysis of support phase of running?

- i) Ankle: Plantar Flexion
- ii) Hip: Extension to flexion
- iii) Knee: Flexion to Extension

Options :

898741115533. ✓ Only i and ii are correct

898741115534. ✘ Only i and iii are correct

898741115535. ✘ Only ii and iii are correct

898741115536. ✘ All i, ii and iii are correct

**Question Number : 85 Question Id : 89874129311 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

A force of stress that involve twisting is known as

Options :

898741115537.  Impulse

898741115538.  Torque

898741115539.  Torsion

898741115540.  Radian

**Question Number : 86 Question Id : 89874129312 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is the most basic level of your personality?

Options :

898741115541.  Basic Psychology

898741115542.  Personality Core

898741115543.  Basic Behaviour

898741115544.  Psychological Core

Read the statements about measuring personality and answer the question:

Statement – I: A coach should consider both traits and states in an attempt to understand and predict behavior of a player.

Statement – II: Many psychologists distinguish between an individual's typical style of behaving (states) and the situation's effects on behavior (traits).

Options :

898741115545.  Only I is correct

898741115546.  Only II is correct

898741115547.  Both I and II are correct

898741115548.  Both I and II are incorrect

**Question Number : 88 Question Id : 89874129314 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is correctly matched?

- I - Sport Competition Anxiety Test to measure competitive trait anxiety by- Martens, 1997.
- II - Competitive State Anxiety Inventory-2 to measure precompetitive state anxiety by Martens et al., 1992
- III -Trait-State Confidence Inventory to measure sport confidence by Vealey, 1986.

Options :

898741115549.  Only I and II are correct

898741115550.  Only II and III are correct

898741115551.  Only I and III are correct

898741115552.  Only III is correct

**Question Number : 89 Question Id : 89874129315 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Motivation can be defined simply as the _____

Options :

898741115553.  Direction and intensity of one's effort

898741115554.  Intensity of one's effort

898741115555.  Direction of one's effort

898741115556.  How much a person is interested in a particular situation

**Question Number : 90 Question Id : 89874129316 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following statement is /are correct about Anxiety?

- I - Anxiety don't have any somatic component.
- II - Anxiety has a thought component.
- III - Anxiety is a positive emotional state with feelings of nervousness, worry, and apprehension associated with activation or arousal of the body.

Options :

Only I and II are correct

898741115557. ✘

Only II and III are correct

898741115558. ✘

Only I, II and III are correct

898741115559. ✘

Only II is correct

898741115560. ✓

**Question Number : 91 Question Id : 89874129317 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is the correct sequence for stages for making a group into a team?

Options :

Forming, Norming, Storming and Performing

898741115561. ✘

Storming, Norming, Performing and Forming

898741115562. ✘

Storming, Forming, Norming and Performing

898741115563. ✘

Forming, Storming, Norming and Performing

898741115564. ✓

**Question Number : 92 Question Id : 89874129318 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Confidence and performance is having which of the following type of relationship?

Options :

898741115565.  Inverted-U shape

898741115566.  Positive

898741115567.  V - shape

898741115568.  Curve Shape

**Question Number : 93 Question Id : 89874129319 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not correct about aggression?

Options :

898741115569.  It involves intent

898741115570.  It involves harm or injury

898741115571.  It is directed toward a living organism

898741115572.  Aggression is not a behavior

**Question Number : 94 Question Id : 89874129320 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

A Judo player squeezing an opponent's ribs to create discomfort and turn him over is cause, which of the following type of Aggression?

Options :

898741115573. Hostile Aggression

898741115574. Instrumental Aggression

898741115575. Reactive Aggression

898741115576. Impulsive Aggression

**Question Number : 95 Question Id : 89874129321 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a theory regarding causes of aggression?

Options :

898741115577. Revised frustration-aggression theory

898741115578. Frustration-aggression theory

898741115579. Social learning theory

898741115580. Expectancy theory

Question Number : 96 Question Id : 89874129322 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Who developed Turnen or German gymnastics?

Options :

898741115581. ✓ Friedrich Ludwig Jahn

898741115582. ✗ G P Muth

898741115583. ✗ Friedrich Guts Jahn

898741115584. ✗ Friedrich Ludwig Muth

Question Number : 97 Question Id : 89874129323 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Which of the following book written by Kautilya have evidences that archery, swimming, boating, hunting, wrestling, gymnastics were quite popular during that period?

Options :

898741115585. ✗ Dwandsastra

898741115586. ✗ Dharamasastra

898741115587. ✗ Gynasastra

898741115588. ✓ Arthasastra

**Question Number : 98 Question Id : 89874129324 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following are correctly matched?

- i. John Simon: Introduced the concept of open-air gymnasium to take gymnastics lessons.
- ii. Carl Andre: First teacher of Physical Education who engaged whole school for one hour in morning and two hours in evening for variety of sports in Germany.
- iii. Johan B Basedow: Father of Modern Physical Education

Options :

Only i and ii are correct

898741115589. ✘

Only i and iii are correct

898741115590. ✘

Only ii and iii are correct

898741115591. ✘

Only iii is correct

898741115592. ✓

**Question Number : 99 Question Id : 89874129325 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

In which year National Corps was introduced in the schools?

Options :

898741115593. ✘ 1961

898741115594. ✘ 1962

898741115595. ✓ 1948

898741115596. ✘ 1967

**Question Number : 100 Question Id : 89874129326 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Who had developed the five-factor model of personality?

Options :

898741115597. ✓ Robert R. McCrae and Paul T. Costa

898741115598. ✗ Cattell

898741115599. ✗ Eysenck and Cattell

898741115600. ✗ Eysenck

**Question Number : 101 Question Id : 89874129327 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Identify the correct sequence of General Physical Education lesson plan from the following

Options :

898741115601. ✓ Warm-up exercise, Special activities, Formal activities, Recreational activities

898741115602. ✗ Assembly and roll call, Formal activities, Recreational activities, special activities

898741115603. ✗ Formal activities, Special activities, Recreational activities, Assembly and dismissal

898741115604. ✗

Assembly and roll call, Formal activities, Warm-up activities, Recreational activities

**Question Number : 102 Question Id : 89874129328 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Identify the following activities with their related parts of General lesson plan in Physical Education:

I. Calisthenics	-	Recreational activity
II. Lead up games and Relays	-	Formal activity
III. Dands and Baithaks	-	Special activity
IV. Asanas	-	Formal activity

Which of the above combinations are correct:

Options :

898741115605. ✘ I and II only

898741115606. ✘ I and IV only

898741115607. ✘ II and III only

898741115608. ✓ III only

**Question Number : 103 Question Id : 89874129329 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

According to UGC National Credit Framework (NCrF), 2023 one theory credit is equal to how many hours of teaching?

Options :

898741115609. ✘ 10 hours

898741115610. ✓ 15 hours

898741115611. ✘ 20 hours

898741115612. ✘ 25 hours

Question Number : 104 Question Id : 89874129330 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

According to UGC National Credit Framework (NCrF), 2023 a Bachelor Degree will be awarded after completion of Minimum how many credits?

Options :

898741115613. ✗ 100

898741115614. ✗ 110

898741115615. ✓ 120

898741115616. ✗ 130

Question Number : 105 Question Id : 89874129331 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Target Olympic Podium Scheme (TOPS) was introduced in which Year?

Options :

898741115617. ✓ 2014

898741115618. ✗ 2015

898741115619. ✗ 2016

898741115620. ✗ 2017

**Question Number : 106 Question Id : 89874129332 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The fat-free mass (FFM) is composed of which of the following?

Options :

898741115621. ✘ All of the body's non-fat tissue, including bone, muscle and organs.

898741115622. ✘ All of the body's non-fat tissue, including bone, muscle and connective tissue.

898741115623. ✘ All of the body's non-fat tissue, including bone and muscle.

898741115624. ✓ All of the body's non-fat tissue, including bone, muscle, organs, and connective tissue.

**Question Number : 107 Question Id : 89874129333 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not an Essential Amino Acids?

Options :

898741115625. ✓ Alanine

898741115626. ✘ Methionine

898741115627. ✘ Lysine

898741115628. ✘ Leucine

**Question Number : 108 Question Id : 89874129334 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Mineral compounds that can dissociate into ions in the body are known as

Options :

898741115629. ✓ Electrolytes

898741115630. ✗ Macrominerals

898741115631. ✗ Microminerals

898741115632. ✗ Trace elements

**Question Number : 109 Question Id : 89874129335 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following Communicable diseases is not caused by Bacteria?

Options :

898741115633. ✗ Typhoid

898741115634. ✗ Cholera

898741115635. ✗ Tuberculosis

898741115636. ✓ Influenza

**Question Number : 110 Question Id : 89874129336 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The Communicable diseases are transmitted indirectly through which of the following popularly known as '5Fs'?

Options :

898741115637. ✘ Flies, fingers, fomites, foot and fluid.

898741115638. ✘ Flies, fingers, foot, food and fluid.

898741115639. ✓ Flies, fingers, fomites, food and fluid.

898741115640. ✘ Flies, fingers, fruits, foot and fluid.

**Question Number : 111 Question Id : 89874129337 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following are the components of Health-Related Fitness?

Options :

898741115641. ✓ Cardio-respiratory Endurance, Muscular Strength, Muscular Endurance, Body Composition, Flexibility

Cardio-respiratory Endurance, Muscular Strength, Muscular Endurance, Speed, Flexibility

898741115642. ✘

Cardio-respiratory Endurance, Muscular Strength, Muscular Endurance, Agility, Flexibility

898741115643. ✘

Cardio-respiratory Endurance, Muscular Strength, Muscular Endurance, Speed, Agility

898741115644. ✘

**Question Number : 112 Question Id : 89874129338 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is correct about minerals?

- i) Major Minerals: requirement more than 100mg per day.
- ii) Trace mineral: Requirement less than 100mg per day
- iii) Minerals serve as constituents of enzymes and vitamins only.

Options :

898741115645.  Only i and ii are correct

898741115646.  Only ii and iii are correct

898741115647.  Only i and iii are correct

898741115648.  All i ii and iii are correct

**Question Number : 113 Question Id : 89874129339 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not correct about type 2 diabetes?

Options :

898741115649.  Characterized by impaired insulin secretion

898741115650.  Excessive glucose output from the liver.

898741115651.  Also known as non-insulin-dependent diabetes mellitus

898741115652.  Also known as juvenile-onset diabetes.

**Question Number : 114 Question Id : 89874129340 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not correct about the symptoms of type 1 diabetes?

Options :

898741115653. ✓ Tingling or numbness in hands or feet

898741115654. ✗ Unusual and unexplained weight loss

898741115655. ✗ Frequent urination

898741115656. ✗ Excessive or unusual thirst

**Question Number : 115 Question Id : 89874129341 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not correct about Erythropoietin(EPO)?

Options :

898741115657. ✓ Training at lower partial pressure of oxygen has no effect on the production of EPO.

898741115658. ✗ It stimulates red blood cell production in bone marrow.

898741115659. ✗ Erythropoietin falls into the class of blood doping,

898741115660. ✗ Erythropoietin (EPO) is a naturally occurring hormone produced by the kidneys.

**Question Number : 116 Question Id : 89874129342 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Who developed *Fartlek* training method in the 1930s?

Options :

898741115661. ✘ McIntosh

898741115662. ✘ Lehman

898741115663. ✓ Gosta Holmer

898741115664. ✘ Steenberger

**Question Number : 117 Question Id : 89874129343 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Tactical training of the sports person includes:

Options :

898741115665. ✘ Knowledge of rules, Tactical abilities and Physical Fitness

898741115666. ✘ Physical Fitness, tactical abilities and Mental training

898741115667. ✘ Tactical abilities, Physical Fitness and technical training

898741115668. ✓ Knowledge of rules, Tactical abilities and Technical training

Question Number : 118 Question Id : 89874129344 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

"Fitness is the ability of an individual to lead a full and balanced life. It includes physical, mental, emotional, social and spiritual factors and capacity for their wholesome expression." The definition of fitness is proposed by

Options :

898741115669. ✘ H Harrison Clarke

898741115670. ✓ Charles A. Bucher

898741115671. ✘ Wener W.K. Hoeger, Sharon A. Hoeger

898741115672. ✘ American College of Sports Medicine

Question Number : 119 Question Id : 89874129345 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Which of the followings are correct?

- i. Concentric contraction is characterized by shortening of flexor muscle.
- ii. Isokinetic exercises are characterized with varied speed
- iii. Eccentric contraction is commonly known as Lengthening Contraction

Options :

898741115673. ✘ Only i and ii are correct

898741115674. ✓ Only i and iii are incorrect

898741115675. ✘ Only ii and iii are correct

898741115676. ✘ Only i is correct

Question Number : 120 Question Id : 89874129346 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Which of the following are the Somatic functional symptoms of over training?

- i. Decrease in body weight.
- ii. Loss of appetite .
- iii. Loss of sleep.
- iv. Loose temper immediately
- v. Poor movement flow
- vi. Digestive system disturb

Options :

898741115677. ✓ Only i, ii, iii and iv are correct

898741115678. ✗ Only i, iii, iv and vi are incorrect

898741115679. ✗ Only ii, iii, iv and v are correct

898741115680. ✗ Only ii, iv, v and vi are correct

Question Number : 121 Question Id : 89874129347 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Arrange the following in a sequence from shortest to the largest.

- i. Training Session
- ii. Meso Cycle
- iii. Micro Cycle
- iv. Macro Cycle

Options :

898741115681. ✗ i, ii, iii, iv

898741115682. ✗ i, ii, iv, iii

898741115683. ✗ i, iii, iv, ii

898741115684. ✓ i, iii, ii, iv

Question Number : 122 Question Id : 89874129348 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Select the correct Statement:

Statement – I: The supercompensation effect brought about by regular training is permanent.

Statement – II: In case there is a break in training, the adaptation process also breaks and the fitness level or the performance of a sportsperson returns slowly to the initial level.

Options :

898741115685. ✘ Both I and II are correct

898741115686. ✘ Both I and II are incorrect

898741115687. ✘ Only I is correct

898741115688. ✓ Only II is correct

Question Number : 123 Question Id : 89874129349 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Select the correct Statement:

Statement – I: Training effect occurs only if the load is high enough to produce symptoms of fatigue.

Statement – II: Adaptation process occurs faster in the case of beginners whereas among high performance sportspersons, for adaptation to be complete, it may take much longer period.

Options :

898741115689. ✓ Both I and II are correct

898741115690. ✘ Both I and II are incorrect

898741115691. ✘ Only I is correct

898741115692. ✘ Only II is correct

Question Number : 124 Question Id : 89874129350 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Term referring to the tendency of some people to work harder and perform better when they are participants in an experiment is known as:

Options :

898741115693. ✓ Hawthorne effect

898741115694. ✗ Boomerang effect

898741115695. ✗ Bogus effect

898741115696. ✗ Attitude Effect

Question Number : 125 Question Id : 89874129351 Question Type : MCQ Option Shuffling : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is considered as genetic endowment?

Options :

898741115697. ✓ Speed and endurance

898741115698. ✗ Flexibility

898741115699. ✗ Speed only

898741115700. ✗ Endurance only

**Question Number : 126 Question Id : 89874129352 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The effect of a predictor (or independent) variable on an outcome (or dependent) variable is known as:

Options :

898741115701.  Main Effect

898741115702.  Rational Effect

898741115703.  Coupling Effect

898741115704.  Component Effect

**Question Number : 127 Question Id : 89874129353 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

To test whether the mean income is different for individuals living in Haryana, Punjab and Chandigarh, which of the following is most appropriate test?

Options :

898741115705.  One way ANOVA

898741115706.  Two way ANOVA

898741115707.  t – test

898741115708.  Chi – square test

**Question Number : 128 Question Id : 89874129354 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following are part of Plyometric Training?

Options :

898741115709. ✘ Reflex phenomena

898741115710. ✘ Half Squats

898741115711. ✘ Agility training

898741115712. ✓ Reactive jumps

**Question Number : 129 Question Id : 89874129355 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The Circuit Training method of training was developed by:

Options :

898741115713. ✘ Peter Hull

898741115714. ✘ Gosta Halmar

898741115715. ✘ Windsor Bothom

898741115716. ✓ Morgan and Adamdson

**Question Number : 130 Question Id : 89874129356 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following indicates highest possible correlation possible between criterion and the optimal combination of the predictor?

Options :

898741115717. ✓ Correlation Coefficient

898741115718. ✗ Coefficient of covariance

898741115719. ✗ Single regression analysis

898741115720. ✗ Multiple Correlation Coefficient

**Question Number : 131 Question Id : 89874129357 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

A measure of inequality or dispersion in a group of values e.g. racial inequality, store, manipulate and display geographically referenced information is known as

Options :

898741115721. ✓ Gini Coefficient

898741115722. ✗ Inequality Coefficient

898741115723. ✗ Variable Coefficient

898741115724. ✗ Exponential Coefficient

**Question Number : 132 Question Id : 89874129358 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

A statistical test that measures varying group effects on many dependant variables is known as:

Options :

898741115725.  ANOVA

898741115726.  Chi – square test

898741115727.  MANOVA

898741115728.  Multiple correction

**Question Number : 133 Question Id : 89874129359 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a data-collection method?

Options :

898741115729.  Research questions

898741115730.  Unstructured interviewing

898741115731.  Postal survey questionnaires

898741115732.  Participant observation

**Question Number : 134 Question Id : 89874129360 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

The core ingredients of a dissertation are:

Options :

Introduction; Literature review; Research methods; Results; Discussion; Conclusion.

898741115733. ✓

898741115734. ✗ Executive summary; Literature review; Data gathered; Conclusions; Bibliography.

898741115735. ✗ Research plan; Research data; Analysis; References.

898741115736. ✗

Introduction; Data collection; Data analysis; Conclusions and recommendations.

**Question Number : 135 Question Id : 89874129361 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is *not* a Parametric Statistic?

Options :

Analysis of covariance

898741115737. ✗

Analysis of Variance

898741115738. ✗

Chi Square test

898741115739. ✓

t test

898741115740. ✗

Question Number : 136 Question Id : 89874129362 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

What will be the Median of following data?

13, 27, 11, 26, 30, 10, 23, 20

Options :

898741115741.  298.5

898741115742.  22.5

898741115743.  20

898741115744.  21.5

Question Number : 137 Question Id : 89874129363 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

The degree of freedom (df) in the Chi Square test calculated by:

Options :

898741115745.  $(r + 1)(c + 1)$

898741115746.  $(r + 1)(c - 1)$

898741115747.  $(r - 1)(c + 1)$

898741115748.  $(r - 1)(c - 1)$

**Question Number : 138 Question Id : 89874129364 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following types of hypotheses asserts that observed differences or relationship merely results from chance errors inherent in the sampling process?

Options :

898741115749.  Null Hypothesis

898741115750.  Alternative Hypothesis

898741115751.  Descriptive Hypothesis

898741115752.  Explanatory Hypothesis

**Question Number : 139 Question Id : 89874129365 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

In which of the following experimental design the equivalence of the experimental and control groups is provided by random assignment of subjects to experimental and control treatment.

Options :

898741115753.  Control Experimental design

898741115754.  Post-experimental design

898741115755.  Quasi-experimental design

898741115756.  True Experimental Design

**Question Number : 140 Question Id : 89874129366 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a property of Normal Probability Curve?

Options :

898741115757.  It's 95% area comes under ± 2.18 SD.

898741115758.  It's value of Kurtosis is 0.263

898741115759.  It's value of Skewness is Zero

898741115760.  It is a bell-shaped curve

**Question Number : 141 Question Id : 89874129367 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0**

Match the List – I with List – II

List – I	List – II (Year of Starting)
a. Special Area Games Scheme	I. 1986
b. Rural Sports Tournament Scheme	II. 1975
c. National Sports Festival for Women	III. 1970 -71
d. Maulana Abul Kalam Azad Trophy	IV. 1956 - 57

Choose the correct answer from the options given below:

Options :

898741115761.  a. I b. III c. II d. IV

898741115762.  a. III b. I c. II d. IV

898741115763.  a. I b. III c. IV d. II

898741115764.  a. III b. I c. IV d. II

Question Number : 142 Question Id : 89874129368 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Match the List – I with List – II

List – I (Internal Characteristics)

- a. Enigma
- b. Vertigo
- c. Pursuit
- d. Chance

List – II (Activities)

- I. Activities where there is loss in body stability
- II. Activities where the result can't be controlled by humans
- III. Activities involving mental Skill
- IV. Activities involving the element of chase with the purpose of catching

Choose the correct answer from the options given below:

Options :

898741115765. ✓ a. III b. I c. IV d. II

898741115766. ✗ a. I b. III c. IV d. II

898741115767. ✗ a. I b. III c. II d. IV

898741115768. ✗ a. III b. I c. II d. IV

Match the List – I with List – II

List – I (Type of Contraction)

- a. Concentric
- b. Static
- c. Isokinetic
- d. Eccentric

List – II (Meaning)

- I. The tension developed by the muscle while shortening at constant speed is maximal over the full range of motion.
- II. Muscle shortens with varying tension while lifting a constant load.
- III. Muscle lengthens while contracting.
- IV. Tension develops but no change in the length of the muscle

Choose the correct answer from the options given below:

Options :

898741115769. ✘ a. III b. II c. I d. IV

898741115770. ✘ a. II b. III c. I d. IV

898741115771. ✘ a. III b. II c. IV d. I

898741115772. ✓ a. II b. IV c. I d. III

Question Number : 144 Question Id : 89874129370 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Match the List – I with List – II

List – I (Muscles)

- a. Rhomboid
- b. Medial Deltoid
- c. Teres Major
- d. Lator Scapula

List – II (Role in the adduction at shoulder joint)

- I. Agonist
- II. Stabilizer
- III. No role in the movement
- IV. Antagonist

Options :

- a. II
- b. IV
- c. III
- d. I

898741115773. *

- a. IV
- b. II
- c. III
- d. I

898741115774. *

- a. IV
- b. II
- c. I
- d. III

898741115775. *

- a. II
- b. IV
- c. I
- d. III

898741115776. ✓

Question Number : 145 Question Id : 89874129371 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Match the List – I with List – II

List – I (Type of Joint) List – II (Other Name)

a. Hinge	I. Trochoid
b. Pivot	II. Ginglymus
c. Condyloid	III. Enarthrodial
d. Ball and Socket	IV. Ovid

Choose the correct answer from the options given below:

Options :

898741115777. ✘ a. II b. I c. III d. IV

898741115778. ✓ a. II b. I c. IV d. III

898741115779. ✘ a. I b. II c. III d. IV

898741115780. ✘ a. I b. II c. IV d. III

Match the List – I with List – II

List – I Type of Research	List – II (Explanation)
a. Developmental Research	I. Same participants are studied over the years
b. Longitudinal Research	II. Sample of participants from different age groups are selected to assess the effects of maturation.
c. Cross-sectional research	III. Single case is studied in-depth to achieve greater understanding.
d. Case Study	IV. Study of change of behaviour across years

Choose the correct answer from the options given below:

Options :

a. IV b. I c. II d. III

898741115781. ✓

898741115782. * a. I b. IV c. II d. III

898741115783. * a. I b. IV c. III d. II

898741115784. * a. IV b. I c. III d. II

Question Number : 147 Question Id : 89874129373 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Match the List – I with List – II

List – I Theory	List – II Proposed by
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a. ERG theory	I. Skinner
b. The two factor theory of motivation	II. Pavlov's
c. Reinforcement theory of motivation	III. Alderfer
d. Classical Conditioning theory	IV. Harzberg

Choose the correct answer from the options given below:

Options :

898741115785. ✓ a. III b. IV c. I d. II

898741115786. ✗ a. IV b. III c. II d. I

898741115787. ✗ a. IV b. III c. I d. II

898741115788. ✗ a. III b. IV c. II d. I

Match the List – I with List – II

List – I Terms List – II Symbols

a. Measure of Skewness	I. β_2
b. Measure of Kurtosis	II. σ^2
c. Variance	III. x^2
d. Test of Goodness	IV. β_1

Choose the correct answer from the options given below:

Options :

898741115789. ✘ a. I b. IV c. III d. II

898741115790. ✘ a. IV b. I c. III d. II

898741115791. ✓ a. IV b. I c. II d. III

898741115792. ✘ a. I b. IV c. II d. III

Question Number : 149 Question Id : 89874129375 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Match the List – I with List – II of Roger's Strength index:

List – I	List – II
a. Strength Index for Sr. High school Boys	I. $1.19 \text{ (Leg Strength)} + 1.15 \text{ (Arm Strength)} + 408$
b. Strength Index for Sr. High school Girls	II. $1.27 \text{ (Leg Strength)} + 1.19 \text{ (Arm Strength)} + 544$
c. Strength Index for college men	III. $1.18 \text{ (Leg Strength)} + 1.10 \text{ (Arm Strength)} + 468$
d. Strength Index for college women	IV. $1.22 \text{ (Leg Strength)} + 1.23 \text{ (Arm Strength)} + 499$

Choose the correct answer from the options given below:

Options :

898741115793. * a. IV b. I c. III d. II

898741115794. * a. I b. IV c. III d. II

898741115795. * a. I b. IV c. II d. III

898741115796. ✓ a. IV b. I c. II d. III

Question Number : 150 Question Id : 89874129376 Question Type : MCQ Option Shuffling : No
Correct Marks : 2 Wrong Marks : 0

Match the List – I with List – II

List – I	List – II
a. Static Balance test	I. Nelson hand reaction test
b. Dynamic balance test	II. Bass Stick test
c. Reaction time test	III. Tuttle pulse ratio test
d. Cardio vascular endurance test	IV. Nelson balance beam test

Choose the correct answer from the options given below:

Options :

898741115797. ✘ a. IV b. II c. III d. I

898741115798. ✘ a. II b. IV c. III d. I

898741115799. ✓ a. II b. IV c. I d. III

898741115800. ✘ a. IV b. II c. I d. III