

LSGS Mains Paper I Study Material Set 1

Q1.താമര എന്ന പദത്തിന്റെ പര്യായം ഏത്?

- (a)അംബരം
- (b)അംബുജം
- (c)അംശുകം
- (d)അംബുകം

Ans(b)

Sol.
അംബരം - ആകാശം
അംശുകം - വസ്ത്രം
അംബുകം - ഇലഞ്ഞി
ഇല - പത്രം, പർണം, ദളം
ഇറച്ചി - മാംസം, പലലം, അമിഷം
ഇറച്ച - മക്ഷിക, നീല

Q2.മലയാളത്തിലേക്കു വിവർത്തനം ചെയ്യുക: "Only an objective historical enquiry can provide the answers"

- (a)വിപുലമായ ചരിത്രാന്വേഷണത്തിലൂടെ അതിന് ഉത്തരം കണ്ടെത്താനാകും
- (b)ചരിത്രാന്വേഷണത്തിലൂടെ മാത്രമേ ഉത്തരം കണ്ടെത്താനാകൂ
- (c)വസ്തുനിഷ്ഠമായ ചരിത്രാന്വേഷണത്തിനു മാത്രമേ ഉത്തരം ലഭിക്കൂ

(d)വസ്തുനിഷ്ഠമായ ചരിത്രാന്വേഷണത്തിനു മാത്രമേ ഉത്തരം നൽകാനാകൂ

Ans(d)

Sol.
Only an objective historical enquiry can provide the answers വസ്തുനിഷ്ഠമായ ചരിത്രാന്വേഷണത്തിനു മാത്രമേ ഉത്തരം നൽകാനാകൂ.
Extensive historical research can find the answer - വിപുലമായ ചരിത്രാന്വേഷണത്തിലൂടെ അതിന് ഉത്തരം കണ്ടെത്താനാകും.
The answer to this question can only be found through historical research.
ചരിത്രാന്വേഷണത്തിലൂടെ മാത്രമേ ഉത്തരം കണ്ടെത്താനാകൂ.
Only objective research can answer the question - വസ്തുനിഷ്ഠമായ ചരിത്രാന്വേഷണത്തിനു മാത്രമേ ഉത്തരം ലഭിക്കൂ.

Q3.ഒറ്റപ്പെട്ടമെഴുതുക 'സന്ദേശം അയക്കുന്നവൻ'

- (a)പ്രേക്ഷകൻ
- (b)പ്രേഷകൻ
- (c)പ്രേഷിതൻ
- (d)പ്രക്ഷിതൻ

Ans(b)

Sol.
ഒരു സന്ദേശം മറ്റൊരു വ്യക്തിക്ക് അയക്കുന്ന ആളിനെ പ്രേഷകൻ എന്ന് പറയുന്നു.
പ്രേഷകൻ - കാഴ്ചക്കാരൻ
പ്രേഷിതൻ - കാണപ്പെട്ടവൻ

Q4. ഇടപ്പള്ളി തൂലികാനാമത്തിൽ അറിയപ്പെടുന്നത് ? എന്ന

- (a) ഉണ്ണികൃഷ്ണൻ പുതൂർ
- (b) രാഘവൻ പിള്ള
- (c) കെ.എസ് കൃഷ്ണപിള്ള
- (d) നാരായണ മേനോൻ

Ans(b)

Sol.
മലയാളത്തിലെ കാല്പനികകവികളിൽ ഒരു കവിയാണ് ഇടപ്പള്ളി രാഘവൻ പിള്ള.
മലയാളകവിതയിൽ കാല്പനികവിപ്ലവം കൊണ്ടുവന്നത് ഇടപ്പള്ളിക്കവികളായ ചങ്ങമ്പുഴ കൃഷ്ണപിള്ളയും ഇടപ്പള്ളി രാഘവൻപിള്ളയുമാണ്.
ഇറ്റാലിയൻ കാല്പനികകവിയായ ലിയോപാർഡിയോട് ഇടപ്പള്ളിയെ നിരൂപകർ തുലനപ്പെടുത്തുന്നു.
വിഷാദം, അപകർഷവിചാരങ്ങൾ, പ്രേമതരളത, മരണാഭിരതി എന്നിവയാണ് ഈ കവിയുടെ ഭാവധാരകൾ.
പകുതി യുഗസൃഷ്ടവും പകുതി സ്വയംഭൂവും ആയ ചേതനയാണദ്ദേഹത്തിന്റേതെന്ന് നിരൂപകർ അഭിപ്രായപ്പെടുന്നു

Q5. ശാസ്ത്രജ്ഞൻ എന്ന പദം എങ്ങനെ പിരിച്ചെഴുതാം ?

- (a) ശാസ്ത്ര + ജ്ഞൻ

- (b) ശാസ്ത്രം + ജ്ഞൻ
- (c) ശാസ്ത്രം + അജ്ഞൻ
- (d) ശാസ്ത്ര + അജ്ഞൻ

Ans(b)

Sol.
നവാഗതൻ - നവ + ആഗതൻ
ഒരടി - ഒരു + അടി
വഴിയമ്പലം - വഴി + അമ്പലം

Q6. ശരിയായ വാക്യമേത് ?

- (a) മകളുടെ രോഗം പെട്ടെന്നുണ്ടായ അയാളെ തളർത്തിക്കളഞ്ഞു
- (b) പെട്ടെന്നുണ്ടായ മകളുടെ രോഗം അയാളെ തളർത്തിക്കളഞ്ഞു
- (c) മകളുടെ പെട്ടെന്നുണ്ടായ രോഗം അയാളെ തളർത്തിക്കളഞ്ഞു
- (d) അയാളുടെ പെട്ടെന്നുണ്ടായ മകളുടെ രോഗം അയാളെ തളർത്തിക്കളഞ്ഞു

Ans(c)

Sol.

തെറ്റായ വാക്യം	ശരിയായ വാക്യം
മഴയത്ത് ഈ നാടുമുഴുവൻ ഇവർ നടന്നു	ഈ മഴയത്ത് ഇവർ നാടുമുഴുവൻ നടന്നു
ഗോപി വല്ലതും നിന്നോട് പറഞ്ഞോ	ഗോപി നിന്നോട് വല്ലതും പറഞ്ഞോ

Q7. സ്ത്രീലിംഗ ശബ്ദമെഴുതുക - ഭവൻ

- (a) ഭവിത്രി
- (b) ഭവതി
- (c) ഭവതിയതി
- (d) ഭഗവതി

Ans(b)

Sol.

പുല്ലിംഗം	സ്ത്രീലിംഗം
പുജാരി	പുജാരിണി
മഹാൻ	മഹതി
പതി	പതി

Q8.'വികാസം' എന്ന വാക്കിന്റെ വിപരീതപദം ഏത്?

- (a)അവികാസം
- (b)വികാസരഹിതം
- (c)ചുരുങ്ങൽ
- (d)സങ്കോചം

Ans (d)

Sol.

അത്ര x തത്ര

അധഃപതനം x ഉൽപതനം

അധമം x ഉത്തമം

അധമൻ x ഉത്തമൻ

Q9.അങ്ങടിയോ പച്ചയോ തിരിയാത്ത - എന്ന ശൈലിയുടെ ശരിയായ അർത്ഥം ?

- (a)തിരിച്ചറിവില്ലായ്മ
- (b)അബദ്ധം പറയുക
- (c)അപഹരിക്കുക
- (d)അപൂർവ്വമായ സംഭവം

Ans (a)

Sol.

പള്ളയ്ക്കടിക്കുക- ഉപജീവനത്തിന് ഭംഗം വരുത്തുക
പിഴമുള്ളുക -തെറ്റ് സമ്മതിക്കുക
പൊടിപുരം - വളരെ കേമം

Q10.പര്യായപദമേത് ?

ഉറക്കമൊഴിയുന്നവൻ

(a)ജാതരിതൻ

(b)കുലം

(c)ദയ

(d)ഗളം

Ans(a)

Sol.

ഉറക്കമൊഴിയുന്നവൻ-
ജാതരിതൻ,ജാഗരൂകൻ

കര - കുലം, തീരം

കരുണ - കാരുണ്യം, ദയ, കൃപ

Q11.Prima - facie means?

(a)Primary contact

(b)With equal pace

(c)On the very first view

(d)Important

Ans(c)

Sol.

Prima-facie is a Latin expression meaning on its first encounter or at first sight; based on the first impression.

- The literal translation would be "at first face" or "at first appearance".
- Pro bono = done or donated without charge; free
- quid pro quo = an equal exchange
- Vis-a-vis = opposite or face to face

Q12.I am a teacher, _____ ?

(a)am I

(b)aren;t I

(c)amn't I

(d)aren't you

Ans(b)

Sol.

We add question tags to the end of statements to turn them into questions.

If the statement is negative, the tag must be positive.

If the statement is positive the tag must be negative.
The tense of the tag is determined by the tense of the auxiliary/modal verb of the statement that precedes it.

Q13. Select the synonym of bizarre

- (a) Weird
- (b) Normal
- (c) Realist
- (d) Mainstream

Ans(a)

Sol.
The synonym of bizarre is weird. It also has meanings like unusual, odd, strange, funny, outlandish, offbeat, crazy, extraordinary, freakish, eccentric, fantastic, quaint, awkward, different, uncommon, abnormal, kinky, unique, unnatural, exotic.

Q14. In the question, out of four alternatives, choose the one which best expresses the meaning of the word given in bold.

ITINERANT

- (a) frequent use of the word 'it'
- (b) anything involving repetition
- (c) plan for a proposed journey
- (d) traveling from place to place

Ans (d)

Sol.
Traveling from place to place Itinerant (Adjective): traveling from place to place to find work Itinerary (Noun): a plan of a journey, including the route and the places that you visit

Q15. Change the following sentence into Passive voice.

Do you like movies?

- (a) Is movies liked by you?

- (b) Are movies liked by you?
- (c) Are movies being liked by you?
- (d) Were movies liked by you?

Ans (b)

Sol.
The correct answer is Option b)
Since 'do' appears in the question word, the format of conversion will be, 'is/am/are+object+past participle of the verb+by+subject'.
The object 'movies' is plural, therefore 'Are' is used in passive voice.
For eg; Do you write notes?
Are notes written by you?

Q16. Convert the following sentence into Reported Speech.

My friend said to me, "Will you not help me?"

- (a) My friend asked me if I would not help him.
- (b) My friend asked me if I can help him.
- (c) My friend asked me if I would not helped him.
- (d) My friend asked me if I helped him.

Ans(a)

Sol.
The correct answer is Option a)
In the given sentence:
Said to asked (because it is an interrogative sentence)
Conjunction - if (because the sentence starts with a helping verb and can be answered with yes/no.)
You - I (because the object me is first-person)
Will - would (because present tense is changed into past tense)
Me - him (because the subject my friend is the third person)

Q17. The workers and the company reached an ___ settlement in their dispute.

- (a) amiable
- (b) amicable
- (c) affable
- (d) cordial

Ans (b)

Sol.

Amiable refers to an individual person's friendly disposition.

Amicable means characterized by friendliness and absence of discord.

Affable and cordial are synonyms of amiable.

Q18.We ___ out for three years when we got married.

- (a)has been going
- (b)had been going
- (c)have been going
- (d)will have been going

Ans (b)

Sol.

Past perfect continuous tense

To show an action that had been going on before another past action.

An action happening in the past and shows duration.

Form: had + been +ing form of the verb.

Ex: She had been playing chess since childhood.

Q19.Sachin is the greatest cricketer in the world.Change to positive degree.

- (a)Sachin was a great cricketer.
- (b)Sachin is greater than any other cricketer in the world.
- (c)No other cricketer in the world is as great as Sachin.
- (d)None of the above

Ans (c)

Sol.

The positive form is used in cases where there are no differences between the two compared things or persons. To form the positive, we use the word 'as' before and after the positive form of the adjective. Ex: Danny is as smart as Philip.

Q20.Choose the correctly spelt word.

- (a)Hypocrite
- (b)Hypocryte
- (c)Hippocrite
- (d)Hippocrate

Ans (a)

Sol.

Hypocrite

Q21.Which of the following is /are True?

- I.(2√26) > (3√35)
- II.(3√37) > (4√50)

- (a)Only I
- (b)Only II
- (c)Neither I or II
- (d)Both I and II

Ans (c)

Sol.

Considering statement I,

$$\Rightarrow 2\sqrt{26} > 3\sqrt{35}$$

Squaring both sides,

$$\Rightarrow 4(26) > 9(35)$$

104 > 315, which is not true Considering statement I,

$$\rightarrow 3\sqrt{37} > 4\sqrt{50}$$

$$\Rightarrow 9(37) > 16(50)$$

$$\rightarrow 333 > 800, \text{ which is not true}$$

ie, Neither statement I nor II is true

Q22.A boy buys 5 pencils at Rs.3 each, 3 erasers at Rs.2 each and 3 sharpeners at Rs,5 each.What is the average expenditure (in Rs.) per article ?

- (a)3.27
- (b)3.5
- (c)4
- (d)5

Ans(a)

Sol.

Total Expenditure = Expenditure of (Pencils + Erasers + Sharpeners)
Total Expenditure = $5 \times 3 + 3 \times 2 + 3 \times 5 = 15 + 6 + 15 = 36$
Total Articles = $5 + 3 + 3 = 11$
Average expenditure = $36/11 = 3.27$

Q23. If the three sides of a triangle are 5cm, 3cm and 6cm, then what is the area of the triangle?

- (a) 10.36 cm^2
- (b) 7.48 cm^2
- (c) 8.59 cm^2
- (d) 9.62 cm^2

Ans (b)

Sol.
 $A = \sqrt{s(s-a)(s-b)(s-c)}$
 $S = \frac{a+b+c}{2}$
 $S = \frac{5+3+6}{2} = 7$
 $A = \sqrt{7(7-5)(7-3)(7-6)}$
 $= \sqrt{56} = 7.48 \text{ cm}^2$

Q24. Ravi scores 72% marks in examinations. If these are 360 marks, then find the maximum marks.

- (a) 500
- (b) 450
- (c) 400
- (d) 350

Ans (a)

Sol.
According to the data given in the question $72\% = 360$
Maximum marks (100%) = $(360/72) \times 100 = 500$

Q25. July 3, 1970 was a Friday, then July 3, 1997 was a ?

- (a) Sunday
- (b) Monday
- (c) Saturday
- (d) Friday

Ans (a)

Sol.
Given July 3, 1970 - Friday
July 3, 1971 Saturday
July 3, 1972 - Monday (1972 being a leap year)
July 3, 1973 Tuesday
July 3, 1974 - Wednesday
July 3, 1975 Thursday
July 3, 1976 - Saturday
July 3, 1977 Sunday
1977 July 3 is a Sunday.

Q26. While looking at old photographs, Manju came across a photo and pointing towards a boy in it, Manju said, 'He is the only son of the only daughter of my grandfather'. How is Manju related to the boy ?

- (a) Mother
- (b) Daughter
- (c) Sister
- (d) Grandmother

Ans (c)

Sol.
He is the only son of the only daughter of my Grandfather.
i.e, Grandfather's daughter → Boy's Mother
Grandfather's daughter's son → Boy
Boy Manju (Siblings)

Q27. The time shown by the reflection of a clock in a mirror is 7 hours 25 minutes. What is the actual time in that clock ?

- (a) 4 hrs 25 min
- (b) 5 hrs 35 min
- (c) 1 hr 55 min
- (d) 4 hrs 35 min

Ans (d)

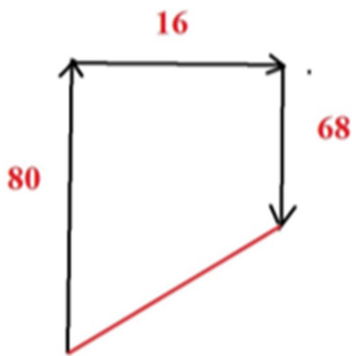
Sol.
 $11:60 - 7:25 = 4:35$
Actual time is 4 hrs 35 min

Q28.'A' walks 80 meters from his office towards the north. After that, turn right and walk again for 16 meters. Turn right again and walk 68 meters. So how far is A from his office now?

- (a)15
- (b)10
- (c)25
- (d)20

Ans (d)

Sol.
 $a^2 = 16^2 + 12^2$
 $a = 20$



Q29.A has more marks than B. B has lower marks than D, but has more marks than E. C has more marks than D. Then which of the following is correct?

- (a)D has the lowest mark
- (b)B has the highest marks
- (c)E has the lowest marks
- (d)E is second from the back

Ans (c)

Sol.
 A has more marks than B but $A > B$
 B has less marks than D but more marks than E so $C > D > B > E$
 Hence Answer: E has the least marks

Q30.If $\sqrt{2^n} = 128$, then the value of n is ____?

- (a)2
- (b)8
- (c)12
- (d)14

Ans (d)

Sol.
 Calculation :
 Given, $\sqrt{2^n} = 128$
 Squaring on both side,
 we get $2^n = (128)^2$
 $2^n = (2^7)^2$
 $2^n = 2^{14}$
 $n = 14$
 Hence the answer is option d

Q31.Who made Pandara Pattam proclamation in 1865

- (a) Ayyankali
- (b) Marthanda Varma
- (c) Ayilyam Thirunal
- (d) Chithira Thirunal

Ans (c)

Sol.
 The Pandara Pattam Proclamation was issued in 1865 by Maharaja Ayilyam Thirunal to give the tenants of government-owned (Pandaram Vaka) land their own land.
 T. Madhavarao, the famous Diwan of Ayilyam Thirunal British Ranji -Victoria Ranji which gave Maharajapattam to Ayilyam Thirunal in 1866

Q32.Which article is also known as 'Fundamental to fundamental rights'?

- (a)Article 17
- (b) Article32
- (c) Article 24
- (d) Article 19

Ans (b)

Sol.

- Articles 14: Right to Equality
- Articles 19: Right to Freedom (Freedom of speech, Freedom of expression, Freedom of assembly without arms, Freedom of association, Freedom to practice any profession, Freedom to reside in any part of the country)
- Articles 21: Right to Life and Personal Liberty
- Articles 23: Right against Exploitation
- Articles 24: Prohibition of child labor
- Articles 25: Right to Freedom of Religion
- Article 32: Right to Constitutional Remedies
- Article 32 is the article which Ambedkar said was 'heart' and 'soul' of Constitution

Q33. Nuclear mineral is produced from the coastal science of Kerala?

- (a) Uranium
- (b) Thorium
- (c) Coal
- (d) Gold

Ans (b)

Sol.

Thorium is a weakly radioactive metallic chemical element

Symbol: Th

Atomic Number: 90

Half-life of Thorium-232: 14.05 billion years

The Monazite sands of Kerala is rich in thorium

Q34. Under which Act the bicameral central legislature was established during the British Period for the first time:

- (a) Government of India Act 1938
- (b) Government of India Act 1934
- (c) Government of India Act 1919
- (d) Government of India Act 1918

Ans (c)

Sol.

Government of India Act of 1919, is also known as the Montague- Chelmsford Reforms.

The Central subjects were demarcated and separated from those of the Provincial subjects.

The scheme of dual governance, 'Dyarchy', was introduced in the Provincial subjects.

Q35. "We are workers. Make a everything from children's toys to giant machines." Whose words are these?

- (a) Voltaire
- (b) Montesquieu
- (c) Maxim Gorky
- (d) Rousseau

Ans (c)

Sol.

Alexei Maximovich Peshkov, better known as Maxim Gorky, was a Russian, Soviet writer, founder of the literary style of socialist realism, and a politician. He has been nominated for the Nobel Prize in Literature five times

Q36. Which of the following is the period of the second phase of green revolution in India?

- (a) From the mid 1960s to the mid 1970s
- (b) From the mid 1970s to the mid 1980s
- (c) From the mid 1960s to the mid 1980s
- (d) From the mid 1960s to the mid 1990s

Ans (b)

Sol.

Green Revolution started in: Mexico (1944)

The term Green Revolution was first coined by: William S. Gaud

The most cultivated grain in the Green Revolution: Wheat

Father of Green Revolution: Norman Borlaug

Father of Green Revolution in India: M.S. Swaminathan

Q37. Water Waterway 1 is located in which among the following states?

- (a) Uttar Pradesh
- (b) Bihar

- (c) West Bengal
(d) All of the above

Ans (d)

Sol.

There are 111 officially notified Inland National Waterways (NWs) in India identified for the purposes of inland water transport as per "The National Waterways Act, 2016".

Out of the 111 NWs, 106 were created in 2016.

The Ganga - Bhagirathi - Hooghly river system between Haldia (Sagar) and Allahabad (1620 km) was declared as National Waterway-1 (NW-1) in 1986.

Q38. Find the correct statement related to the Himalaya?

- 1. The North Eastern Himalayas are one of the regions where rainforests are most prevalent in India.**
- 2. Shivalik is a Himalayan mountain range that is most frequently experienced by earthquakes and the land slides.**
- 3. Shivalik is a mountain range known as the inner Himalaya**

- (a) 1,2
(b) 2,3
(c) 1,3
(d) 2 only

Ans (a)

Sol.

Himadri is a mountain range known as inner Himalaya and Greater Himalayas so statement 3 is incorrect.

The Himalayas consist of three parallel ranges,

1. the Greater Himalayas known as the Himadri,
2. the Lesser Himalayas called the Himachal,
3. and the Shivalik hills (known as the Outer Himalayas) which comprise the foothills.

The greater Himalayas are the innermost Himalayan range and are also known as the inner Himalayas. They are also known as Himadri. The majority of mountain ranges and peaks lie in this range.

Q39. Check the statements given below:

- 1. Gandhi described the August offer as a post-dated check issued to a broken bank.**
- 2. Individual Satyagraha is the weakest movement Gandhiji ever conducted.**
- 3. It was Gandhiji who represented the Congress in the second round table meeting.**

- (a) 1,2
(b) 1,3
(c) 2,3
(d) 2 only

Ans (c)

Sol.

Gandhiji described the Cripps Mission as a post-dated check cashed on a broken bank.

The Cripps Mission was a committee appointed by the British government to gain India's support in World War II.

Winston Churchill was the British Prime Minister who sent the Cripps Mission to India.

The Cripps Mission arrived in India on March 22, 1942.

Q40. Which article refers to universal adult suffrage?

- (a) Article 324
(b) Article 325
(c) Article 326
(d) Article 327

Ans (c)

Sol.

Article 326 of the Constitution refers to universal adult suffrage.

Universal adult suffrage came into force on January 26, 1950, when the Constitution came into force.

Universal adult suffrage is the right of all adults to vote in elections without distinction of caste-religion-class-language-gender-region.

Since 1989, the voting age has been 18.

Q41. Consider the statements and find out the right ones.

- 1. Chemical weapons like chlorine and phosgene were used by Germany in World War I.**
- 2. Serbia was the first country to be attacked in World War I.**

- (a) 1,2
(b) only 1
(c) only 2
(d) none of the above

Ans (a)

Sol.

Austria was the first country to invade in World War I.

Serbia was the first country to be attacked in World War I.

Germany had the highest number of casualties in World War I.

Chemical weapons like chlorine and phosgene were used by Germany in World War I.

Q42. Which among the following is not an example of Intrusive volcanic landforms?

- (a) Batholith
(b) Crater
(c) Dykes
(d) Sill

Ans (b)

Sol.

Intrusive landforms are formed when magma cools within the crust.

Extrusive landforms are the result of magma coming from deep within the earth to the surface, where it cools as lava.

Crater is a funnel shaped structure at the top of a volcano.

This is an example of extrusive volcanic landforms.

Batholith, Dykes, Sill are examples of intrusive volcanic landforms

Q43. Find the correct statements from the following.

- 1. The Commission for Protection of Child Rights Act, 2005 is a law that led to the establishment of the National Commission for Protection of Child Rights.**
- 2. The Commission for Protection of Child Rights functions under the Ministry of Women and Child Development.**

- (a) only 1
(b) only 2
(c) both are correct
(d) both are incorrect

Ans (c)

Sol.

The Child Rights Commission Act was passed in 2005.

The Child Rights Act came into force in 2006.

The Child Rights Commission has a chairperson and six members.

The term of office of the President is three years or 65 years.

The term of the members is three years or 60 years of age.

The Child Rights Commission came into existence on March 7, 2007

Q44. Which among the following statements is not correct regarding the composition of two houses of the Parliament.

- (a) President can nominate 12 members to the Rajya Sabha and Lok Sabha
(b) The election to the Rajya Sabha is held in accordance with the system of proportional representation by means of Single Transferable vote.
(c) members of Lok Sabha from the union territories are also chosen and by direct election
(d) None of the above

Ans (a)

Sol.

The President can nominate 12 members to the Rajya Sabha. He can nominate people who have

special knowledge or practical experience in art, literature, science and social service.

The election to the Rajya Sabha is held in accordance with the system of proportional representation by means of single transferable vote. In the Lok Sabha, representatives are directly elected by the people from the territorial constituencies in the states.

According to Union territories (Direct Election to the House of the People) Act, 1965, members of Lok Sabha from the union territories are also chosen by direct election.

Q45. Consider the following statements on sedimentary rocks,

- 1. They contain fossils and remnants.**
- 2. These rocks are very soft.**
- 3. They are made of many layers**

- (a)1,2
- (b)1,3
- (c)2,3
- (d)All are correct

Ans (d)

Sol.

The deposition of material on the earth's surface and water bodies and subsequent cementation results in the formation of sedimentary rocks.

Sedimentation is the process that causes different organic compounds and minerals to accumulate in a place.

Sediment refers to particles that accumulate to form sedimentary rocks.

The term "agents of deposition" refers to the processes of weathering and erosion that created the sediment before it was transported to the site of deposition by water, wind, snow, mass movement, or glaciers.

Q46. Who among the following was not a member of the drafting Committee of Indian Constitution?

- (a) B R Ambedkar
- (b) K M Munshi
- (c) Mohammad Sadulla
- (d) Jawaharlal Nehru

Ans (d)

Sol.

There were 7 members in the drafting committee. BR Ambedkar was the chairman of the drafting committee.

6 other members of the committee: KM Munshi, Mohammad Sadulla, Krishnaswamy Iyer, Gopala Swamy Iyenkar, N. Madhava Rao (in place of BL Mittal who resigned due to ill health), TT Krishnamachari (in place of DP Khaitan who died in 1948).

The Drafting Committee's report was discussed by the Constituent Assembly in November 1948.

After more than a year of deliberations and thousands of amendments, the Constitution was approved by the House on November 26, 1949.

Q47. How Article deals with Amendment of Constitution(Art.368) can be amended?

- (a) By simple majority
- (b) By special majority
- (c) By special procedures
- (d) None of the above

Ans (c)

Sol.

Section relating to amendment of the Constitution - 368

Amendments are made to make changes in the constitutional sections from time to time.

This can only be done with the support of the majority of the Parliament.

Q48. Who can remove a member of a State Public Service Commission ?

- (a) President
- (b) Governor
- (c) Chief Minister
- (d) Prime Minister

Ans (a)

Sol.

The chairman and members of a State Public Service Commission are appointed by the Governor.

But they can be removed only by the President (not the Governor).

The President can remove the Chairman or a member of the UPSC for the same reasons as he can remove them.

The term of service of the Chairman or member is determined by the Governor

Q49. Which is not correct?

(a) Union Ministry of Human Resource Development vide Gazette Notification dated 14th August 2020 renamed as a Ministry of Education

(b) Union Ministry of Human Resource Development was formed in September 1985.

(c) The name of the department was changed following the recommendation of the new education policy of 2020

(d) The 104th Constitutional Amendment led to the formation of the Ministry of Education.

Ans (d)

Sol.

The 86th Constitutional Amendment led to the creation of the Ministry of Education.

In September 1985, Prime Minister Rajiv Gandhi changed the Ministry of Education to the Ministry of Human Resource Development.

With the public announcement of the newly drafted "National Education Policy 2020" by the Narendra Modi government, the Ministry of Human Resource Development has again been renamed as the Ministry of Education.

Q50. Consider the following statements.

Statement 1: The qualification of a judicial member of the State Human Rights Commission is a person who has held the post of a High Court Judge or has served for not less than seven years as a District Judge.

Statement 2: The qualification to be a non-judicial member of the Human Rights Commission is practical knowledge of the subject matter relating to human rights.

Statement 3: The approval of the Chief Justice of the High Court is required to appoint a sitting judge of the High Court or a sitting District Judge to the State Human Rights Commission.

(a) 2,3 are correct

(b) 1,2,3 are incorrect

(c) 1,2 are incorrect

(d) 1,2,3 are correct

Ans (d)

Sol.

State Human Rights Commissions are statutory bodies.

The mandate of the Human Rights Commission is to exercise the powers and responsibilities prescribed by the Protection of Human Rights Act, 1993 passed by the Parliament of India.

The State Human Rights Commission can investigate human rights violations only in respect of matters mentioned in the State List and Concurrent List in the Seventh Schedule of the Constitution.

The National Human Rights Commission investigates human rights violations in matters included in the Union List.

Q51. Which among the following statements are incorrect?

(a) Thanneermukkom Bund is built across the Vembanad Backwaters

(b) Thanneermukkom Bund is the largest mud regulator in India

(c) The bund connects Thanneermukkom in Alappuzha and Vechoor in Kottayam

(d) Thanneermukkom Bund prevents the water of river Pampa from reaching the Vembanad Backwaters

Ans (d)

Sol.

Thanneermukkom Bund is a bund constructed to prevent salt water intrusion in agricultural lands below sea level in Kuttanad.

Q52. Choose the incorrect statement

1. Lord Curzon visited Travancore during the reign of Sri Moolam Thirunal Rama Varma
2. The Ezhava Memorial was dedicated in 1896 during the reign of Visakhram Thirunal, the ruler of Travancore.

- (a) 1
- (b) 2
- (c) 1, 2
- (d) All are correct

Ans (b)

Sol.

On September 3, 1896, the Ezhava Memorial was dedicated to the Maharaja under the leadership of Dr. Palpu.

The person who led the Ezhava Memorial: Dr. Palpu,

The King of Travancore to whom the Ezhava Memorial is dedicated is Sree Moolam Thirunal, so statement 2 is false.

1900 Second Ezhava Memorial dedicated to: Lord Curzon

Social reformer who led the second Ezhava Memorial: Dr. Pulpu

Q53. Choose the correct statement

1. Uthram Tirunal Marthandavarma was the ruler of Travancore who gave Channar women the right to veil.
2. The first post office in Travancore was established in 1887.

- (a) 1 only
- (b) 2 only
- (c) 1, 2
- (d) None of the above

Ans (a)

Sol.

Important events during the reign of Uthram Thirunal Marthanda Varma:

The first post office in Travancore was established in 1857, so statement 2 is false.

Ruler who allowed Channar women to disguise themselves (1859).

The king who abolished Uzhiyam vela.

Uthram Tirunal established a school for girls in Thiruvananthapuram (1859).

Raja of Travancore (1859) when Dara Smail Company, the first coir factory in Kerala, came into existence.

Q54. Consider the following statements regarding Atmospheric pressure

1. Cold air increases atmospheric pressure
2. Convection causes low pressure conditions.
3. Air subsidence causes high pressure conditions

Choose the correct answer

- (a) 1, 2
- (b) 2, 3
- (c) 3, 1
- (d) 1, 2, 3

Ans (d)

Sol.

Cold air is more dense, therefore it increases atmospheric pressure.

The vertical heating of the atmosphere is known as Convection. When heated, the air in contact with the ground rises vertically in the form of currents and transfers heat to the atmosphere.

This upward movement creates low pressure areas.

Q55. Newly appointed Meghalaya's first women Director General of Police (DGP)?

- (a) Kanchan Chaudhary
- (b) Punita Arora
- (c) Meera Bhai
- (d) Idashisha Nongrang

Ans (d)

Sol.

- Meghalaya's first woman Director General of Police (DGP) appointed Idashisha Nongrang
- The new police chief will be selected by the Meghalaya Security Commission headed by Chief Minister Sangma.
- From a shortlist approved by the Union Public Service Commission (UPSC) consisting of three candidates, Nongrang was selected.
- Idashisha Nongrang's appointment follows the retirement of incumbent DGP LR Bishnoi scheduled for 19 May 2024.

Q56. First Indian women's table tennis player to break into the top 25 of the International Table Tennis Federation (ITTF) women's singles rankings:

- (a) Sreeja Akula
- (b) Manika Batra
- (c) Diya Chitale
- (d) None of the above

Ans (b)

Sol.

First Indian women's table tennis player to break into the top 25 of the International Table Tennis Federation (ITTF) women's singles rankings - Manika Batra

Indian table tennis player Manika Batra has been ranked 24th in the world in the International Table Tennis Federation (ITTF) rankings.

This is the first time an Indian tennis player has made it to the top 25 in the singles rankings.

Men's table tennis veteran Achanta Sarath Kamal finished top among Indian players despite dropping three places to world No. 40.

His closest rivals are Manav Thakkar, who is ranked 62nd in the world, and Harmeet Desai, who is ranked 63rd respectively.

Q57. Which country recently unveiled the world's first 6G device?

- (a) Japan
- (b) China
- (c) India

(d) Germany

Ans (a)

Sol.

A Japanese consortium unveiled the world's first high-speed 6G prototype gadget, surpassing 5G by 20 times. Developed by DOCOMO, NTT, NEC, and Fujitsu, it can transmit data over 300 feet at 100 Gbps, tested successfully indoors and outdoors.

However, 6G is still in developmental stages and not ready for commercial use. Despite its impressive speeds, there are inherent drawbacks in network technology.

Q58. A new species of Nelly plant found by researchers from the Idamalayar forest region is named:

- (a) Punia Chakrabarti
- (b) Comblica Chakravarthi
- (c) Emblica Chakrabarti
- (d) None of them

Ans (c)

Sol.

Emblica Chakrabarti is the name given to a new species of Nelly plant discovered by researchers from the Idamalayar forest region.

The name 'Emblica Chakrabarti' was given as a tribute to Dr. Tapas Chakrabarti, a scientist who researched plants belonging to the Nelli family.

The plant is two meters tall. Elliptical glossy leaves are 13 cm long. Flowering and fruiting occur in the axils of the leaves.

The yellow-green flowers have six petals. The berries are brownish-black in color when ripe.

Q59. AI model released by Open AI in May 2024 :

- (a) GPT-2024
- (b) GPT-4o
- (c) GPT-24
- (d) None of the above

Ans (b)

Sol.

AI model released by OpenAI in May 2024-GPT-4O
OpenAI, the maker of ChatGPT, has released GPT-4O, which will be freely available to all users.

The Microsoft-backed company's latest language model provides users with more natural human-computer interaction and real-time audio, vision and text than previous models.

Q60. Iranian President who died in helicopter crash in 2024 was:

- (a) Hassan Muhammad
- (b) Uhuru Kenyatta
- (c) Hakim Sheik
- (d) Ebrahim Raisi

Ans (d)

Sol.

Iranian President who died in helicopter crash in May 2024 - Ebrahim Raisi

Iran's Foreign Minister Hossein Amir-Abdollahian also died in the helicopter crash.

It is estimated that the danger may have been caused by hitting the canyon in the event of adverse weather conditions.

According to reports, the helicopter was completely burnt.

Q61. India's first indigenous UNMANNED BOMBER:

- (a) FWD-20B
- (b) FWD-200B
- (c) FWD-Z0B
- (d) FWD-Z00B

Ans (b)

Sol.

The country's first indigenous unmanned bomber aircraft - FWD-200B

The FWD-200B has a payload capacity of 100 kg. Unmanned Aerial System (UAS) carries optical surveillance payloads and is integrated with missile-like weapons for precision air strikes.

Maximum speed 200 kts/370 kmph.

Q62. Winner of Italian Open Tennis 2024 Women's Singles is ____

- (a) Iga Swiatek
- (b) Sania Mirza
- (c) Meri Khom
- (d) Renata Saracia

Ans(a)

Sol.

Italian Open Tennis 2024

Women's Singles

Winner: Iga Swiatek

World number one Iga Swiatek of Poland defeated Aryna Sabalenka of Belarus in straight sets 6-2 6-3 to claim her 21st career title.

This is Iga Swiatek's third Italian Open title in the last four years. Failed to qualify for the finals last year.

Men's Singles

Winner: Alexander Zverev

This is Zverev's second Italian Open title.

The 2024 Italian Open title is Tokyo Olympic gold medalist Alexander Zverev's eighth Masters title.

Q63. First player to score 8000 runs in IPL:

- (a) Rohit Sharma
- (b) Sachin
- (c) Dhoni
- (d) Virat Kohli

Ans (d)

Sol.

First player to complete 8000 runs in IPL Virat Kohli
Bengaluru Royal Challengers player Virat Kohli became the first player to complete 8,000 runs in the Indian Premier League. Kohli's achievement was against Rajasthan. 29 runs were needed to reach the target of 8000.

Kohli achieved this milestone by scoring 33 runs off 24 balls.

Q64. A scheme launched by Tamil Nadu Chief Minister M.K Stalin to provide Rs 1,000 per month to all girl students in classes 6 to 12 in government schools:

- (a) Pudumai Penn
- (b) Pudumai Makal
- (c) Pudumai Tamil
- (d) Puthumai Thai

Ans (a)

Sol.

A scheme launched by Tamil Nadu Chief Minister M.K Stalin to provide Rs 1,000 per month to all girl students in classes 6 to 12 in government schools - Pudumai Penn

The project started in September 2022 after the M.K Stalin government came to power in Tamil Nadu.

Last year, 2,73,000 girls got the benefit of this.

27 lakh students have benefited from the 'Nan Madivan' scheme which emphasizes vocational education.

Q65. The only regional rural bank to feature in the World's Best Banks 2024 list by Forbes:

- (a) Canara
- (b) SBI
- (c) Kerala Gramin Bank
- (d) Punjab National Bank

Ans (c)

Sol.

Kerala Gramin Bank is the only Regional Rural Bank in the World's Best Banks 2024 list by Forbes

Kerala Gramin Bank has been named the 18th bank in India in the World's Best Banks 2024 list by Forbes. Kerala Gramin Bank is also the only regional rural bank included in the list.

The list was compiled by surveying more than 49,000 people from 33 countries in 17 different languages.

The assessment is based on banks' overall customer satisfaction and likelihood of recommending the bank to others, along with ratings on reliability, terms and conditions, customer service, digital services and quality of financial advice.

Q66. New Lokayukta of Kerala?

- (a) Justice N Anil Kumar
- (b) Justice Vijaymohan
- (c) Justice Arun Kumar
- (d) Justice Vinaymohan

Ans (a)

Sol.

New Lokayukta of Kerala - Justice N. Anil Kumar

The government sought permission from the Governor to appoint Justice N. Anilkumar as Lokayukta and Justice V. Shersi as Deputy Lokayukta. Both are retired High Court Judges.

The new appointment follows the retirement of former Lokayukta Justice Cyriak Joseph in March.

Q67. Consider the following statements

1. The first Naptha based thermal power plant in Kerala is Kayamkulam Power plant.
2. Brahmapuram is the only diesel power plant in Kerala.
3. The first Tidal power plant in Kerala is Vizhinjam Tidal Power plant.

Which of the given statement(s) is/are correct?

- (a) 1,2
- (b) 2,3
- (c) 1,3
- (d) 3 only

Ans (c)

Sol.

There are 2 diesel power plants in Kerala - Brahmapuram (Ernakulam) and Nallalam (Kozhikode).

Kudankulam Nuclear Power Plant is the largest nuclear power station in India, situated in Koodankulam in the Tirunelveli district of Tamil Nadu.

Thermal power is the most important source of energy in India. But in kerala it ranks second after hydel energy.

Q68. Consider the following statements regarding the Constitution of India:

1. Under the Constitution of India, a citizen has no right to go to court to get the Guiding Principles enforced.

2. Article 164 states that the Governor appoints the Chief Minister.

3. Article 39A stipulates that men and women should be paid equally.

Select the correct answer using the code given below.

- (a)1,2
- (b)2,3
- (c)1,3
- (d)3 only

Ans (a)

Sol.

The third statement is wrong because it is Article 39D which stipulates equal pay for men and women.

The guiding principles are Articles 36 to 51 embedded in Part IV of the Constitution of India.

Guiding principles are directives to be followed by the government in administration and legislation.

They are considered as the goals of the country as a welfare state. Economic-social-educational-international spheres of activity of the nation. The guidelines cover a wide field that touches all sectors.

Q69. Consider the following statements relating to constitutional amendment :

1. The 42nd Amendment is a constitutional amendment that provided that Article 20 and Article 21 cannot be abrogated during the National Emergency.

2. The 42nd Amendment is a constitutional amendment that gave the President the power to declare a state of emergency only in one part of India.

3. The amendment to the 10th Schedule to the Constitution of India is the 52nd Amendment.

Find the correct statement?

- (a)1,2
- (b)2,3
- (c)2,3
- (d)3 only

Ans (c)

Sol.

The 44th Amendment is a constitutional amendment that provided that Article 20 and Article 21 cannot be abrogated during the National Emergency and therefore statement 1 is wrong.

When the 44th Amendment comes into force, the Prime Minister of India is Moraji Desai.

The 44th Amendment is a constitutional amendment that removed the right to property from fundamental rights.

The 42nd Amendment is an amendment known as the Mini Constitution

Q70. Consider the following statements related to popular agitations in Kerala

1. Ramanambi was the leader of the Kurichya rebellion.

2. The Vaikom Satyagraha was the first anti-untouchability movement in Kerala

3. The Nivarthana agitation was started demanding reservation in government jobs and in the Legislative Assembly in proportion to the population

Find the correct statement?

- (a)1,2
- (b)2,3
- (c)1 only
- (d)1,3

Ans (d)

Sol.

Vaikom Satyagraha, from 30 March 1924 to 23 November 1925, was a nonviolent agitation for access to the prohibited public environs of the Vaikom Temple in the Kingdom of Travancore.

The Kingdom of Travancore was known for its rigid and oppressive caste system and hence Swami Vivekananda called Travancore a "lunatic asylum". The campaign, led by Congress leaders T. K. Madhavan, K. Kelappan and K. P. Kesava Menon, was noted for the active support and participation offered by different communities and a variety of activists.

Q71.Name of the Compound known as Sal Ammoniac?

- (a)Ammonium Chloride
- (b)Ammonium Sulfate
- (c)Ammonium Carbonate
- (d)Ammonium Fluoride

Ans (a)

Sol.
Sal ammoniac, NH_4Cl , is an uncommon mineral form of ammonium chloride
It forms as colorless, white, or yellowish-brown crystals.
It belongs to the isometric- hexoctahedral class.
Ammonium chloride, also known as navasum, is an inorganic compound with the chemical formula NH_4Cl .

Q72.Starfish feeds on animals covered by hard shells of ____

- (a)Sodium Chloride
- (b)Sodium Sulfate
- (c)Ammonium Carbonate
- (d)Calcium Carbonate

Ans (d)

Sol.
Starfish feed on animals covered by hard shells of calcium carbonate. After opening the shell, the starfish pops out its stomach through its mouth to eat the soft animal inside the shell. The stomach then goes back into the body and the food is slowly digested.

Q73.What is fermi equivalent to ?

- (a) 10^{-10} m
- (b) 10^{-12} m
- (c) 10^{-8} m
- (d) 10^{-15} m

Ans (d)

Sol.
Fermi is also known as a firmometer.
The Fermi is a very small elongation unit in the SI unit.
Being a small unit, Fermi is used in the quantity of very small distances in nuclear science.
The angstrom is the unit of wavelength of light.

Q74.The law states that the volume of a fixed mass of a gas is inversely proportional to its pressure at constant temperature. Which is that law?

- (a)Charles Law
- (b)Boyle's Law
- (c)Avogadro's Law
- (d)Pascal's Law

Ans (b)

Sol.
Boyle's Law: The volume of a given mass of gas at constant temperature is inversely proportional to its pressure.
Boyle's law describes the relationship between the volume and pressure of a gas.
This law was first published in 1662 by the chemist Robert Boyle.

Q75.Choose the correct one from the pairs given below.

1. Bell Metal - Copper, Tin
2. Newton Metals - Bismuth, Lead, Tin
3. Nichrome - Nickel, Lead
4. Invar - copper, iron

- (a)1,2
- (b)2,3
- (c)1,2,4

(d)1,2,3

Ans (a)

Sol.

Pairs 3 and 4 are incorrect.

- Nichrome nickel, iron, chromium
- Invar nickel and iron

Properties of Metal Alloys

- Stronger than elemental metals.
- Lower thermal and electrical conductivity than elemental metals.
- Ability to resist metal corrosion better than elemental metals.
- Lower melting point than elemental metals.

Q76. Match the following

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

Ans (d)

Sol.

Amylase is a starch-digesting chemical.

Pepsin makes protein into peptones.

The protein is made up of peptides by trypsin.

Keratin is a protein that is not digested by pepsin.

Renin is a chemical that digests the protein casein milk.

It is lipase that converts fat into fatty acids and glycerol.

Q77. Match the following

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

Ans (c)

Sol.

Compound Constituent	Elements
1. Water gas	d. CO + H ₂
2. Nitrating mixture	c. H ₂ SO ₄ + HNO ₃
3. Phos gene	b. CO + Cl ₂
4. Producer Gas	a. CO + N ₂

Q78. Which of the following is the 9th state of matter?

1. Jahn Teller Metal
2. Fermionic Condensate
3. Quark gluon plasma
4. Rydberg

- (a)1 only
(b)2 only
(c)1,3
(d)4 only

Ans (a)

Sol.

State refers to the physical form of matter.

Although the three states of matter are most familiar, solid, liquid, and gas, matter also has forms such as plasma, superfluid, supersolid, liquid crystal, and quark matter.

Most substances can take this solid-liquid-gas phase depending on the temperature.

Different states: 1(Solid)

2(Liquid)

3(Gas)

4(Plasma)

5 (Bose-Einstein Condensate)

6(Fermionic condensate)

7(Quark gluon plasma)

8(Rydberg)

9(Jahn Teller metal)

Vitamin E maintains cell membrane integrity and protects red blood cells from damage.

Prolonged lack of vitamin E-rich foods can cause uncoordinated movements, weakness, and decreased sensation.

Vitamin D deficiency can cause gout and osteomalacia.

Q83. Evaluate the statements given below regarding farming practices.

1. The method of farming in which cattle rearing and poultry rearing are included along with agriculture is called mixed farming.

2. Vegetable cultivation on a commercial basis is called track farming.

3. Japan is the only country that has had a single straw revolution.

- (a) 1,2
- (b) 2,3
- (c) 1,3
- (d) All are correct

Ans(d)

Sol.

Shifting cultivation is the practice of clearing the forest and cultivating it and when the soil loses its fertility, it is shifted to the next area for cultivation.

Intensive farming is a method of producing more with less investment.

Widespread farming is a method of farming where larger areas are cultivated with less investment.

Crop rotation is the practice of alternating crops to restore nutrients lost to the soil while growing the same crop.

Fixed farming is the practice of farming in one place on a permanent basis.

Q84. Which of the following statements is incorrect regarding the situation?

- (a) The string on a stretched bow has position energy
- (b) State energy is the energy stored either by position or by the arrangement of an object.
- (c) The release of atmospheric energy in the earth's crust causes earthquakes.

(d) The action of the force of gravity when the object is lifted is positive

Ans (d)

Sol.

Option d is wrong because the action of the gravitational force when the object is lifted is negative.

The crust of the earth is not the same. In it there are continuities and dislocations called Lopa lines.

These lobes in the earth's crust act like pressed springs.

They have a large amount of stabilizing energy.

When the rearrangement of these lobes takes place, the release of this state energy causes an earthquake.

Stochastic energy is the energy formed by position in an object.

Kinetic energy is the energy that an object receives from its motion.

Q85. Consider the following statements.

1. Spring force is a conservative force.

2. Frictional force is not a conserved force.

3. The value of potential energy is zero at infinity.

Which of the above statements are correct?

- (a) 2,3
- (b) 1,3
- (c) 1,2,3
- (d) 1,2

Ans (c)

Sol.

The potential energy of an unstretched spring is zero.

Not all forces are protective forces.

Frictional force is an inert force.

If the force acting on a system is conserved, its total mechanical energy is conserved.

Potential energy is the energy created by the location of an object.

Kinetic energy is the energy gained by an object due to its motion.

Q86. Which of the following is non metallic oxide ?

- (a)CO₂
- (b)SO₂
- (c)NO₂
- (d)All of these

Ans (d)

Sol.

CO₂, SO₂, NO₂ are non metallic oxides.

Generally compounds formed by the reaction of non metallic oxides with water are acidic.

Example: H₂O + CO₂ → H₂CO₃

Q87.Consider the following statements

- 1. The daughter cells that result from cell division grow and divide again.**
- 2. Each time the cell divides, the genetic material is doubled.**
- 3. No matter how many times a cell divides, the number of chromosomes in the cell changes. This is the peculiarity of mitosis.**

Which are the correct statements?

- (a)1,2
- (b)2,3
- (c)1,3
- (d)1,2,3

Ans (a)

Sol.

Statement 3 is false because the number of chromosomes in a cell does not change no matter how many times the cell divides. This is the peculiarity of mitosis.

Mitosis is a method of cell division that helps the body grow.

Mitosis is a regulated activity. Malfunctions in this regulated function cause the cell to divide excessively and proliferate uncontrollably. This condition leads to cancer.

It is through mitosis that tissue damage is repaired and body growth is made possible.

Q88.What are the decisions taken at the Yokohama World Summit for natural disaster mitigation ?

- (a)All nations have the ultimate responsibility to protect people from natural disasters
- (b)Sharing of Technology: Information gathering and use of information and communication devices
- (c)Give priority and special attention to developing poor countries, landlocked and island nations for natural disaster mitigation.
- (d)All of these

Ans (d)

Sol.

The World Summit on Disaster Mitigation was held in Yokohama, Japan from 23 to 27 May 1994.

Guidelines for natural disaster mitigation were proposed at the World Summit.

The World Summit was attended by member states of the United Nations and other countries.

The World Summit decided to give priority and special attention to developing and poor countries, landlocked countries and island countries for natural disaster mitigation.

Q89. Select only freshwater ecosystems from the following.

- 1. Oceans**
- 2. Coastal estuaries**
- 3. Streams**
- 4. Swamps**

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

Ans (c)

Sol.

Aquatic ecosystems are classified into two categories: freshwater ecosystems and marine ecosystems.

Freshwater ecosystems

- Lakes
- Ponds
- Streams
- Swamps
- Mossy areas

Marine ecosystems

- Oceans
- Coastal estuaries
- Coral reefs

Q90. Which of the following statements is true about the South-West Monsoon in India?

1. Monsoon reaches the Malabar coast first.
2. Rajasthan does not get rainfall from the south west monsoon.
3. Southwest monsoon retreats when the permanent wind belts start shifting to the north.

- (a) 1,3
(b) 2 only
(c) 3 only
(d) All of the above

Ans (a)

Sol.

The south-west monsoon reaches India by crossing the Indian Ocean, the Arabian Sea and the Bay of Bengal.

Blows mainly from sea to land.

Rajasthan receives about 91% of its annual rainfall during the South-West monsoon.

Kerala receives most of its rainfall from the south-west monsoon.

The south-west monsoon blows in two branches, the Bay of Bengal branch and the Arabian Sea branch.

Q91. Grand Slam associated with?

- (a) Volleyball
(b) Boxing
(c) Tennis
(d) Golf

Ans (c)

Sol.

The Grand Slam tournaments, also referred to as majors, are the world's four most important annual tennis events.

The Australian and the United States tournaments are played on hard courts, the French on clay, and Wimbledon on natural grass.

Wimbledon is the oldest tournament, founded in 1877, followed by the US in 1881, the French in 1891, and the Australian in 1905.

Q92. What is the basic text of Kathakali Mudra?

- (a) Panchatantram Kilipatt
(b) Bhamashah Ramayanam
(c) Gadyamaalika
(d) Hasta Lakshana Deepika

Ans (d)

Sol.

The characters in Kathakali do not speak. Acting according to background songs. That is why the literature on Kathakali music is of great importance. It is called Aattakkatha literature. The instruments used in Kathakali are Chenda, Maddalam, Chengila and Elathalam. Dance forms, Kathakali is based on Bharata Muni's Natya Shastra. But the mudra used in Kathakali is based on the ancient book Hasta Lakshana Deepika.

Q93. Anti-tobacco day is celebrated on -

- (a) March 17
(b) January 7
(c) July 6
(d) May 31

Ans (d)

Sol.

Tobacco is one of the most popular psychoactive substances used all over the globe

May 31 is World No Tobacco Day, an annual awareness day sponsored by the World Health Organization (WHO) since 1987 to highlight the health risks associated with tobacco use and encourage governments to adopt effective policies to reduce smoking and other tobacco use

Q94. Under which section of IT Act, 2000 India banned 59 Chinese apps in June 2020?

- (a)Section 66
- (b)Section 67B
- (c)Section 69A
- (d)Section 72

Ans (c)

Sol.

The Indian government blocked access to 59 Chinese apps by exercising Section 69A of the Information Technology Act.

Under this Section, the government has the right to block public access to any information generated, transmitted, received, stored or hosted in any computer resource "in the interest of sovereignty and integrity of India, defense of India, security of the State, friendly relations with foreign States or public order or for preventing incitement to the commission of any cognizable offense relating to above".

Q95.Choose the correct one:

Which of the following are correctly matched?

1. Champaran Satyagraha - 1917
2. Kheda Satyagraha - 1917
3. Ahmedabad Mill strike - 1918
4. Rowlatt Act Satyagraha - 1919

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

Ans (c)

Sol.

1. Champaran Satyagraha - 1917
2. Kheda Satyagraha - 1918
3. Ahmedabad Mill strike - 1918
4. Rowlatt Act Satyagraha - 1919

Q96.Which organization complies with the sustainable developed index?

- (a)UNDP
- (b)U N Sustainable development solution network
- (c)UNFCCC
- (d)GREENPEACE

Ans (b)

Sol.

It was prepared by teams of independent experts at the Sustainable Development Solutions Network (SDSN) and the Bertelsmann Stiftung.

The Sustainable Development Report presents the SDG Index and Dashboards for all UN member states.

The Sustainable Development Goals (SDGs) were born at the United Nations Conference on Sustainable Development in Rio de Janeiro in 2012.

The objective was to produce a set of universal goals that meet the urgent environmental, political and economic challenges facing our world.

Q97.Who decides inflationary targets in India?

- (a)Central Government
- (b)NITI AAYOG
- (c)Finance Commission
- (d)None of these

Ans (a)

Sol.

Section 45-ZA of the RBI Act, 1934 requires that the Central Government shall, in consultation with the Reserve Bank of India (RBI), determine the inflation target in terms of consumer price index (CPI), once in every five years

Accordingly, in a notification on March 31, 2021, the Central Government, in consultation with the RBI, retained the inflation target at 4 per cent (with the upper tolerance level of 6 percent and the lower tolerance level of 2 per cent) for the 5-year period April 1, 2021 to March 31, 2026.

Q98.Consider the following statements about the Balance of payments : 1.Balance of Payment (BoP) of a country can be defined as a systematic statement of all economic transactions of a country in one year 2.It indicates whether the country has a surplus or a deficit on trade. choose the correct answer ?

- (a)1 only
- (b)2 only

- (c)Both 1 and 2
(d)Neither 1 nor 2

Ans (c)

Sol.

Balance of Payment (BOP) of a country can be defined as a systematic statement of all economic transactions of a country with the rest of the world during a specific period usually one year. Statement 1 is correct

It indicates whether the country has a surplus or a deficit on trade. Statement 2 is correct.

Purposes of calculation of BoP :

1. Reveals the financial and economic status of a country.
2. Can be used as an indicator to determine whether the country's currency value is appreciating or depreciating.
3. Helps the Government to decide on fiscal and trade policies.
4. Provides important information to analyze and understand the economic dealings of a country with other countries.

Q99. Consider the following statements about White Revolution 1. The White Revolution in India began during the Fourth Five Year Plan.

2. Verghese Kurien was the Pioneer in the success of Operation Flood.

3. The National Dairy Development Board (NDDB) was founded in 1970.

Identify the wrong statement ?

- (a)1 only
(b)2 only
(c)3 only
(d)Both 1 and 2

Ans (c)

Sol.

White Revolution in India also known as Operation Flood.

The White Revolution in India began during the Fourth Five Year Plan. Statement 1 is correct.

Operation Flood started in the year 1970 and was aimed to create a nationwide milk grid.

Dr Verghese Kurien who was the architect of Operation Flood, the programme which led India from being 50th in the world in terms of milk production to become the largest producer in just a couple of decades. Statement 2 is correct.

It was a rural development program initiated by NDDB National Dairy Development Board of India.

The National Dairy Development Board (NDDB) was founded in 1965. Statement 3 is wrong

Q100. Which is the first small finance Bank in Kerala?

- (a)Airtel Bank
(b)ESAF Small Finance Bank
(c)muthoot Fincrop
(d)Kerala Bank

Ans (b)

Sol.

ESAF started lending in 1995 as the first microfinance company in Kerala. It became ESAF Small Finance Bank after receiving the first banking license in Kerala since independence.

On 17 March 2017, Pinarayi Vijayan, the Chief Minister of Kerala officially inaugurated ESAF Small Finance Bank at Thrissur, Kerala.

Capital Small Finance Bank (erstwhile Capital Local Area Bank) is India's first small finance bank founded in April 2016 as a microfinance lender, with its headquarters in Jalandhar India.