

Important GK Questions for All SSC Exams

Q1. What is Kaushambi Mahotsav 2023, which was recently inaugurated by the Union home minister and Minister of Cooperation?

- (a) A cultural festival celebrating the ancient history of Kaushambi
- (b) A trade fair promoting local businesses and artisans
- (c) A sports festival organized by the Member of Parliament
- (d) A religious gathering commemorating the spiritual significance of Kaushambi

Q2. India-born Nobel laureate Professor Venki Ramakrishnan has been awarded the prestigious Order of Merit by Britain's King Charles III in recognition of his distinguished service to science. In which year did Venki Ramakrishnan receive Nobel Prize?

- (a) 2012
- (b) 2017
- (c) 2015
- (d) 2009

Q3. Recently, Prime Minister Narendra Modi flagged off India's sixth Vande Bharat Express between _____ route.

- (a) Delhi-Varanasi
- (b) Gandhinagar-Mumbai
- (c) Delhi-Una
- (d) Bilaspur-Nagpur

Q4. Which edition of the World Hindi Conference will be organized by the Ministry of External Affairs in collaboration with the Government of Fiji from 15-17 February 2023 in Fiji?

- (a) 10th
- (b) 11th
- (c) 12th
- (d) 13th

Q5. The Union Cabinet approved an initial outlay of Rs. 19,744 crores for the National Green Hydrogen Mission. The National Green Hydrogen Mission was launched in _____?

- (a) 2018
- (b) 2019
- (c) 2020
- (d) 2021

Q6. National Hydroelectric Power Corporation (NHPC) Limited will carry out a study of the Seti River Hydropower Project. Where will this project be constructed?

- (a) Himachal Pradesh
- (b) Nepal
- (c) Bhutan
- (d) Sikkim



Q7. In which country was the 1st ASEAN-India Start-up Festival (AISF) inaugurated to mark the 30th anniversary of ASEAN and India's relationship?

- (a) India
- (b) Indonesia
- (c) Singapore
- (d) Thailand

Q8. According to DGCA officials, India has jumped to the 48th position in the global aviation safety ranking by the International Civil Aviation Organization (ICAO). Which country is on the 49th position?

- (a) UAE
- (b) USA
- (c) China
- (d) Canada

Q9. Who among the following was named ICC Men's Player of the Month for January 2023 following a series of impressive innings in the ODI format?

- (a) Shubman Gill
- (b) Surya Kumar Yadav
- (c) Shreyas Iyer
- (d) Ishan Kishan

Q10. The Government of India sponsored the proposal for International Year of Millets (IYM) 2023 which was accepted by the United Nations General Assembly (UNGA). Which state is the largest producer of Millets?

- (a) Rajasthan
- (b) Madhya Pradesh
- (c) Uttar Pradesh
- (d) Gujarat

Q11. Assertion (A): Muhammad-Bin-Tughluq issued a new gold coin which was called Dinar by Ibn Battuta.

Reason (R): Muhammad-Bin-Tughluq wanted to issue token currency in gold coins to promote trade with West Asian and North African countries.

Code:

- (a) Both A and R are true individual true and R is the correct explanation of A
- (b) Both A and R are individually true but R is not the correct explanation of A
- (c) A is true but R is false.
- (d) A is false but R is true.

Q12. Match List-I with List-II and select the correct answer using the codes given below the Lists:

LIST-I(Event)

LIST-II(Year)

- | | |
|---------------------------------|---------|
| 1. Khilafat Movement | 1. 1930 |
| 2. Chauri Chaura Incident | 2. 1917 |
| 3. Champaran Movement | 3. 1919 |
| 4. First Round Table Conference | 4. 1922 |

- | | | | | |
|-----|---|---|---|---|
| | A | B | C | D |
| (a) | 2 | 3 | 4 | 1 |
| (b) | 4 | 1 | 2 | 3 |
| (c) | 2 | 1 | 4 | 3 |
| (d) | 3 | 4 | 2 | 1 |

Q13. In opposition to which of the following was the 'Independence for India League' founded by the radical wing of the Congress party?

- (a) The Gandhi-Irwin Pact
- (b) The Home-rule Movement
- (c) The Nehru report
- (d) The Montford reforms

Q14. The Sun Temple of Konark was built by Narasimhadeva I. To which dynasty did he belong to?

- (a) Somavamsi dynasty
- (b) Eastern Ganga dynasty
- (c) Suryavamsi Gajapati dynasty
- (d) Bhoi dynasty

Q15. Which of the following is/are functions of UPSC?

1. It is consulted on all matters relating to methods of recruitment to civil services and for civil posts.
 2. It assists States in framing and operating schemes of joint recruitment for any services for which candidates possessing special qualifications are required.
 3. It is consulted as respects how any provision referred to in clause (4) of Article 16 in which effect may be given to the provisions of article 335.
- (a) 1 & 3 Only
 - (b) 2 & 3 only
 - (c) 1 & 2 Only
 - (d) All of the Above

Q16. The Chief Election Commissioner is removed by following the same procedure as the removal of which of the following?

- (a) Chief Justice of the High Court
- (b) Judges of the Supreme Court
- (c) Lok Sabha Speaker
- (d) Chairman of Rajya Sabha

Q17. Which one of the following Schedules of the Constitution of India contains provisions regarding anti-defection?

- (a) Tenth Schedule
- (b) Eighth Schedule
- (c) Fifth Schedule
- (d) Second Schedule

Q18. Which of the following is not related to the Administrative Reform Commission?

- (a) Sarkaria Commission
- (b) Rajmanner Committee
- (c) Hanumantaiya Commission
- (d) West Bengal Remembrance Letter

Q19. During the period of South West monsoon, Tamil Nadu remains dry because

- (a) the temperature is too high to let the winds cool down
- (b) the winds do not reach this area
- (c) it lies in the rain-shadow area
- (d) there are no mountains in this area

Q20. Which of the following type of soils in India is locally known as 'Regur soil'?

- (a) Alluvial soil
- (b) Black cotton soil
- (c) Red soil
- (d) Forest soil

Q21. Which one of the following statements with regard to Jet stream, an upper level troposphere wave, is not correct?

- (a) Jet streams are typically continuous over long distances.
- (b) It follows the wave path near the tropopause at elevations of 8 km to 15 km.
- (c) In summer, the polar front jet achieves its maximum force.
- (d) It is a narrow band of high-velocity wind.

Q22. The Novel 'Train to Pakistan' dealing with the tragedy of India's Partition is written by whom among the following authors?

- (a) Mulk Raj Anand
- (b) Ruskin Bond
- (c) M L Malgaonkar
- (d) Khushwant Singh

Q23. Kishori Amonkar, Indian classical vocalist of Jaipur gharana received Padma Vibhushan, India's second highest civilian award, in which of the following years?

- (a) 2002
- (b) 1998
- (c) 1985
- (d) 2005

Q24. Which of the following has the highest share in the Proposed Expenditure from the Union Budget 2023-24:

- (a) Interest Payment
- (b) Defence
- (c) Centrally Sponsored Scheme
- (d) Central Sector Scheme

Q25. The _____ exchange rate is the relative price of foreign goods in terms of domestic goods.

- (a) Artificial
- (b) Nominal
- (c) Fixed
- (d) Real

Q26. Which method of calculating the national income is also known as 'Industrial Origin Method'?

- (a) Expenditure Method
- (b) Income Method
- (c) Value Added Method
- (d) Monetary Measures Method



Q27. Epidermal cells of which part of plant often secrete a waxy water resistant layer on their outer surface?

- (a) Aerial parts only
- (b) Roots only
- (c) Both aerial parts and roots
- (d) Neither aerial parts nor roots

Q28. Match the following:

Type of Muscle Tissue	Location
I. Striated	1. Heart
II. Smooth	2. Limbs
III. Cardiac	3. Iris of the eye, in uterus and in bronchi of the lungs

- (a) I – 2, II – 3, III – 1
- (b) I – 1, II – 3, III – 2
- (c) I – 1, II – 2, III – 3
- (d) I – 3, II – 1, III – 2

Q29. $\text{Fe}_2\text{O}_3 + 2\text{Al} \rightarrow \text{Al}_2\text{O}_3 + 2\text{Fe}$

The above reaction is an example of _____.

- (a) Combination reaction
- (b) Double displacement reaction
- (c) Decomposition reaction
- (d) Displacement reaction

Q30. The relative density of a substance is the _____.

- (a) ratio of its density to the density of water
- (b) ratio of the density of water to its density
- (c) product of the density of water to its density
- (d) ratio of the volume of water to its volume

Q31. Which of the following policies were first introduced by the British for the Expansion?

- (a) Subsidiary Policy
- (b) Ring fence
- (c) Doctrine of Lapse
- (d) All of the above

Q32. Which among of following was implemented after the announcement of 'The Communal Award'?

- (a) Lucknow Pact
- (b) Poona Pact
- (c) Karachi Agreement
- (d) None of these

Q33. Who among the following was the founder of the Bahmani kingdom in the Deccan?

- (a) Mahmud Gawan
- (b) Hasan Gangu
- (c) Sikandar Shah
- (d) Malik Ambar

Q34. When Babur invaded India who was the ruler of the Vijayanagar Empire in south India?

- (a) Devaraya I
- (b) Devaraya II
- (c) Krishnadev Raya
- (d) Sadashiva Raya

Q35. Which among the following statements are correct regarding Directive Principles of State Policy (DPSP)?

1. DPSP comes in Article 36-51 of the Constitution of India Under Part -VI
 2. They are borrowed from the constitution of Russia
- (a) Only 1
 - (b) Only 2
 - (c) Both 1 & 2 are correct
 - (d) Neither 1 nor 2 are Correct

Q36. The resolution for removing the Vice President of India can be moved in?

- (a) Rajya Sabha only
- (b) Lok Sabha only
- (c) Either of the two houses of the Parliament
- (d) Both houses of the Parliament in agreement with half of state legislatures in India

Q37. Which of the Following Amendment, reduce the voting age from 21 to 18 years for the Lok Sabha and Assembly election?

- (a) 42nd Amendment Act
- (b) 52nd Amendment Act
- (c) 61st Amendment Act
- (d) 95th Amendment Act

Q38. Which of the Following Relation is incorrect?

- (a) Article 245 - Extent of laws made by Parliament and by the Legislatures of States
- (b) Article 248 - Residuary powers of legislation
- (c) Article 257 - Jurisdiction of the Union in relation to territories outside India.
- (d) Article 263 - Provisions with respect to an inter-State Council.

Q39. With respect to the Jhelum River, consider the following statements:

1. It is the easternmost of the five rivers (Beas, Chenab, Jhelum, Ravi, and Sutlej) of the Punjab region that merge with the Indus River in eastern Pakistan.
2. It is a tributary of the Chenab River.

Choose the correct answer using codes below-

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Q40. With regard to Temperate cyclones, consider the following statements-

1. Temperate cyclones can form both on land as well as seas.
2. In a temperate cyclone, rainfall is heavy but does not last beyond a few hours.
3. The energy of a temperate cyclone depends on the densities of air masses.

Choose the correct answer using codes below-

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

Q41. Near the earth's surface _____ air rises up whereas _____ air comes down:

- (a) Cold, cold
- (b) Cold, hot
- (c) Hot, hot
- (d) Hot, cold

Q42. Shambhu Maharaj was awarded the Padma Shri for his contribution to which of the following dances in India?

- (a) Kathak
- (b) Bharatanatyam
- (c) Kuchipudi
- (d) Manipuri

Q43. Who among the following was the first woman classical dancer in independent India to be nominated as a member of the Rajya Sabha?

- (a) Vidyagauri Adkar
- (b) Niveditha Arjun
- (c) Rukmini Devi Arundale
- (d) Kalamandalam Kalyanikutty Amma

Q44. Which of the following may be called as fiscal deficit?

- (a) Revenue expenditure – Revenue receipts
- (b) Capital expenditure – Capital receipts
- (c) Total expenditure – Total receipts other than borrowings
- (d) Revenue expenditure + Capital expenditure – Revenue receipts

Q45. When the government resorts to borrowing only to clear the backlog of interest payments, it is referred to as _____.

- (a) zero revenue deficit
- (b) zero primary deficit
- (c) zero fiscal deficit
- (d) excess budget deficit

Q46. Which feature of the cell allows or permits the entry and exit of some materials in and out of the cell?

- (a) Cytoplasm
- (b) Protoplasm
- (c) Cell wall
- (d) Plasma membrane

Q47. The skin, the lining of the mouth, the lining of the blood vessels, lung alveoli and kidney tubules are all made of which type of tissue?

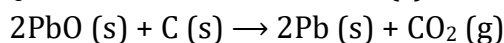
- (a) Epithelial tissue
- (b) Connective tissue
- (c) Muscular tissue
- (d) Nervous tissue

Q48. Which of the following statement(s) about acids is/are CORRECT?

- I. They change the color of red litmus to blue.
- II. They change the color of blue litmus to red.
- III. They have pH value less than 7.

- (a) Only I and III
- (b) Only II and III
- (c) Only I
- (d) Only II

Q49. Which of the statement(s) about the reaction given below is/are INCORRECT?



- I. Lead is getting reduced.
- II. Carbon is getting reduced.
- III. Lead oxide is getting reduced.

- (a) Only I and II
- (b) Only I and III
- (c) Only II and III
- (d) All I, II and III

Q50. For a body moving with non-uniform acceleration -

- (a) Displacement-time graph is linear
- (b) Displacement-time graph is non-linear
- (c) Velocity-time graph is non-linear
- (d) Velocity-time graph is linear

Solution:

S1. Ans.(c)

Sol. Kaushambi Mahotsav-2023 is a sports festival inaugurated by the Union Home Minister and Minister of Cooperation.

- The event is organized by the Member of Parliament.
- Kaushambi, the capital of the ancient Vatsa Kingdom and one of the 16 Mahajanapadas.
- The Kaushambi Mahotsav-2023 aims to promote sports and camaraderie among the residents while celebrating the region's rich historical legacy.

S2. Ans.(d)

Sol. Venki Ramakrishnan received the Nobel Prize in Chemistry in 2009 for his work on ribosomal structure.

Details:

- India-born Nobel laureate Professor Venki Ramakrishnan has been awarded the prestigious Order of Merit by Britain's King Charles III in recognition of his distinguished service to science.

What is the Order of Merit?

- The Order of Merit, founded in 1902 by King Edward VII, is conferred on individuals of exceptional distinction in the armed forces, science, arts, and literature, or for the promotion of culture based on the personal choice of the monarch.

S3. Ans.(d)

Sol. Prime Minister Narendra Modi has flagged off India's sixth Vande Bharat Express between Bilaspur (Chattisgarh)-Nagpur (Maharashtra) route.

Details:

- This is the second Vande Bharat Express in the state after the Mumbai-Ahmedabad Vande Bharat express.
- Vande Bharat is an indigenous semi-high-speed train developed by Indian Railways.
- Government proposes to run 75 Vande Bharat express trains in the country by 15 August 2023.
- The Vande Bharat Express can run up to a maximum speed of 160 kmph and has travel classes like Shatabdi Train but with better facilities.
- It aims to provide a totally new travel experience to passengers.

**S4. Ans.(c)**

Sol. 12th edition of the World Hindi Conference will be organized by the Ministry of External Affairs in collaboration with the Government of Fiji from 15-17 February 2023 in Fiji.

Over 1,000 experts in the Indian language, including academics, writers, and laureates, would attend the three-day conference in the Fijian city of Nadi with the goal of promoting Hindi around the world.

Fiji Static Facts:

- Capital: Suva
- Currency: Dollar

S5. Ans.(d)

Sol. The National Green Hydrogen Mission was launched in 2021.

Details:

- The Union Cabinet approved an initial outlay of Rs 19,744 crore for the National Green Hydrogen Mission.
- Addressing the nation on its 75th Independence Day in 2021, Prime Minister Narendra Modi launched a national mission for green fuels in line with the Centre's stated target of making India energy-independent before completing 100 years of Independence.
- The mission will have four components that aim at enhancing domestic production of green hydrogen and promote the manufacturing of electrolyzers — a key constituent for making green hydrogen.

S6. Ans.(b)

Sol. Nepal permitted the National Hydroelectric Power Corporation (NHPC) Limited of India to carry out a study of the Seti River Hydropower Project.

- The Seti River Hydropower Project will be constructed in Doti and Accham
- Nepal will get 21.9% energy-free produced from it.

S7. Ans.(b)

Sol. The 1st ASEAN-India Start-up Festival (AISF) was inaugurated by Dr. Srivari Chandrashekhar, Secretary of the Department of Science and Technology in Bogor, Indonesia.

Details:

The 1st ASEAN-India Start-up Festival will further strengthen the ASEAN-India cooperation to accelerate the start-up economy.

ASEAN Static Facts:

- Full form: The Association of Southeast Asian Nations
- Headquarters: Jakarta, Indonesia
- Established: 8 August 1967

S8. Ans.(c)

Sol. China ranked 49th in the global aviation safety ranking by the International Civil Aviation Organization (ICAO).

Details:

- According to DGCA officials, India has jumped to the 48th position in the global aviation safety ranking by the International Civil Aviation Organization (ICAO).
- In the ranking, Singapore is at the top, followed by the UAE and South Korea at the second and third positions, respectively.

S9. Ans.(a)

Sol. Shubman Gill was named ICC Men's Player of the Month for January 2023.

Details:

- India batter Shubman Gill was named ICC Men's Player of the Month for January following a series of impressive innings in the ODI format.
- While England U-19 skipper Grace Scrivens became the youngest player to be named for the women's honour.

S10. Ans.(a)

Sol. Rajasthan is the largest producer of Millets.

Rajasthan Static Facts:

- Capital: Jaipur
- Chief Minister: Ashok Gehlot
- Governor: Kalraj Mishra
- Folk Dance: Ghoomar, Kalbeliya, Kathputli
- Festival: Gangaur, Desert Festival

S11. Ans.(c)

Sol. Muhammad-Bin-Tughluq issued the new coins, which was called 'Dinar' by Ibn Battuta. He wanted to issue the token currency in gold coins to promote his military power not to trade with the West Asian and the North African countries. Thus, assertion (A) is true, but reason (R) is false.

S12. Ans.(d)**Sol.**

- Champaran movement -1917
- Chauri Chaura incident -1922
- Khilafat movement -1919
- First round table conference -1930

S13. Ans.(c)

Sol. In April 1928, the "Independence of India League" was formed with Jawahar Lal Nehru and Subhash Chandra Bose as Secretaries and S. Srinivasa Iyengar as President in opposition to the Nehru Report.

S14. Ans.(b)

Sol. Narasimhaha Deva I was a powerful monarch and warrior of the Eastern Ganga Dynasty of medieval Odisha who reigned from 1238–1264.

S15. Ans.(c)**Sol.**

- It shall be the duty of the Union and the State Public Service Commissions to conduct examinations for appointments to the services of the Union and the services of the State respectively.
- It shall also be the duty of the Union Public Service Commission if requested by any two or more States so to do, to assist those States in framing and operating schemes of joint recruitment for any services for which candidates possessing special qualifications are required.

S16. Ans.(b)**Sol.**

- The Chief Election Commissioner can be removed from office by the Parliament only through a process of removal similar to that of a Supreme Court judge.
- The Judge of the Supreme Court can be removed by a special majority of 2/3rd members present and voting supported by more than 50% of the total strength of the house.

S17. Ans.(a)

Sol. The Tenth Schedule was inserted in the Constitution in 1985 by the 52nd Amendment Act. It deals with the Anti defection law i.e, provisions as to disqualification on the ground of defection.

S18. Ans.(a)

Sol. Sarkaria Commission was related to centre state relation. This commission was formed in 1983. So this is not related to Administrative Reform Commission

S19. Ans.(c)

Sol. The eastern coast of India, particularly in Tamil Nadu, remains relatively dry during the south-west monsoon period. This is because the Tamil Nadu coast lies in the rain-shadow area of the Arabian Sea current and is parallel to the Bay of Bengal current

S20. Ans.(b)**Sol.**

- Black cotton soils are defunct clays of medium to high compressibility and form a vital soil group in India.
- They are categorized by high shrinkage and swelling properties.
- This Black cotton soils grows generally in the central and western parts and covers approximately 20% of the total area of India.
- Because of its highly bump, inflammation and shrinkage characteristics, the Black cotton soils (BC soils) has been a defiance to highway engineers.
- The Black cotton soils are very arduous when dry, but loses their strength totally when in wet condition.

S21. Ans.(c)**Sol.**

- Jet streams are narrow bands of strong wind in the upper levels of the atmosphere, more particularly, troposphere.
- It follows the wave path near the tropopause at an elevation of 8 km to 15 km.
- They are generally continuous over a long distance and can be thousands of miles long also.
- The polar-front jets are best developed in winter and early spring.

S22. Ans.(d)

Sol. Train to Pakistan is a historical novel by writer Khushwant Singh, published in 1956. It recounts the Partition of India in August 1947 through the perspective of Mano Majra, a fictional border village. Instead of depicting the Partition in terms of only the political events surrounding it, Khushwant Singh digs into a deep local focus, providing a human dimension which brings to the event a sense of reality, horror, and believability

S23. Ans.(a)

Sol. Kishori Amonkar was a leading Indian classical vocalist, belonging to the Jaipur gharana, or a community of musicians sharing a distinctive musical style.

Amonkar received several of India's national awards and civilian honours, including the Padma Bhushan, in 1987, and Padma Vibhushan in 2002. She was awarded the Sangeet Natak Akademi Award for 1985 and the Sangeet Natak Akademi Fellowship for 2009.

S24. Ans.(a)

Sol. The largest share of the Centre's expenditure goes towards paying the interest on borrowings.

S25. Ans.(d)

Sol. The real exchange rate R is defined as the ratio of the price level abroad and the domestic price level, where the foreign price level is converted into domestic currency units via the current nominal exchange rate.

S26. Ans.(c)

Sol. Value Added Method of calculating the national income is also known as the 'Industrial Origin Method'.

- The value-added method is one of the three methods to determine national income.
- It is also known as the product method or output method, and its primary objective is to calculate the national income by taking the value added to a product during the various stages of production into account.

S27. Ans.(a)

Sol. Epidermal cell covers without any intercellular space and protects all parts of the plant. Epidermal cells on the aerial parts of the plant secrete a waxy, water-resistant layer on their outer surface. It checks the loss of water, mechanical injury and invasion by parasitic fungi.

S28. Ans.(a)

Sol. The 3 types of muscle tissue are cardiac, smooth, and skeletal. Cardiac muscle cells are located in the walls of the heart, appear striated, and are under involuntary control. Smooth muscle fibers are located in walls of hollow visceral organs, except the heart, appear spindle-shaped, and are also under involuntary control. Skeletal muscle fibers occur in muscles which are attached to the skeleton. They are striated in appearance and are under voluntary control.

S29. Ans.(d)

Sol. Displacement reaction is a chemical reaction in which a more reactive element displaces a less reactive element from its compound. Both metals and non-metals take part in displacement reactions.

S30. Ans.(a)

Sol. Relative density, or specific gravity, is the ratio of the density (mass of a unit volume) of a substance to the density of a given reference material. Specific gravity usually means relative density with respect to water. The term "relative density" is often preferred in scientific usage.

S31. Ans.(b)

Sol. Ring fence policy was first introduced by the British for the Expansion. Subsidiary alliance was the extended version of the Ring Fence Policy, later Subsidiary alliance was replaced with the Doctrine of lapse.

S32. Ans.(b)

Sol. The correct answer is (b) Poona Pact.

- The Communal Award was announced by the British Prime Minister Ramsay MacDonald in 1932. It proposed separate electorates for various religious communities in British India. This was a controversial move that further deepened communal tensions between different religious groups in India.
- In response to the Communal Award, leaders of the depressed classes, who were considered untouchables, demanded separate electorates as well. This led to negotiations between Mahatma Gandhi and Dr. B.R. Ambedkar, the leader of the depressed classes, which resulted in the Poona Pact. The Poona Pact provided reserved seats for the depressed classes within the general electorate, rather than separate electorates.

Other Option Details:

- **The Lucknow Pact** was a historic agreement between the Indian National Congress and the All-India Muslim League in 1916, which aimed to present a united front to the British government for greater self-governance in India.
- **The Karachi Agreement** refers to the agreement reached at the All India Muslim League's annual session held in Karachi in 1943, which called for the creation of a separate Muslim state in the northern and north-western regions of India.

S33. Ans.(b)

Sol.

- The founder of the Bahmani kingdom in the Deccan was Hasan Gangu, also known as Alauddin Hasan Bahman Shah. He was a governor of the Delhi Sultanate who declared independence in 1347 and established the Bahmani Sultanate, which was one of the major Muslim kingdoms in India until it disintegrated into five smaller states in the 16th century.
- Mahmud Gawan was a prominent minister in the Bahmani Sultanate during the reign of Muhammad III, who made significant contributions to the development of the kingdom.
- Sikandar Shah was a ruler of the Bahmani Sultanate who came to power in 1489 and was known for his patronage of the arts and architecture.
- Malik Ambar was an Ethiopian-born slave who rose to become a prominent minister and regent of the Nizam Shahi dynasty in the Deccan in the late 16th and early 17th centuries, after the disintegration of the Bahmani Sultanate.



S34. Ans.(c)

Sol. Babur invaded India in 1526, while the Vijayanagar Empire was ruled by Krishnadevaraya, who reigned from 1509 to 1529. Therefore, the answer is (c) Krishnadevaraya.

- Krishnadevaraya was one of the greatest rulers of the Vijayanagar Empire. He ascended the throne in 1509 and ruled for 20 years until his death in 1529. During his reign, the empire reached the height of its power and prosperity. Krishnadevaraya was a patron of the arts, literature, and architecture. He sponsored many public works, including the construction of temples, irrigation projects, and public buildings.
- Babur, the founder of the Mughal Empire, invaded India in 1526 and defeated the Sultan of Delhi, Ibrahim Lodi, in the Battle of Panipat. After this victory, Babur continued to expand his territory in northern India. Meanwhile, in the south, the Vijayanagar Empire was a powerful Hindu empire that controlled much of the Deccan plateau.

S35. Ans.(a)

Sol. Directive Principles of State Policy (DPSP) come in Article 36-51 of the Constitution of India under Part - IV, so statement 1 is Correct.

- They are not borrowed from the constitution of Russia, but they are based on the Irish Constitution, so statement 2 is Incorrect
- The DPSP provides guidelines and principles to the State in making laws and policies that would promote the welfare of the people and establish a just society in India. However, they are not enforceable by any court of law.

S36. Ans.(a)

Sol.

- The Constitution states that the Vice President can be removed by a resolution of the Rajya Sabha passed by an effective majority (i.e., majority of all the then member of the house) and agreed by the Lok Sabha with a simple majority (Article 67(b)).
- But no such resolution may be moved unless at least 14 days advance notice has been given.
- Notably, the Constitution does not list grounds for removal.

S37. Ans.(c)

Sol. The 61st Amendment Act 1989 reduces the voting age from 21 years to 18 years for the Lok Sabha and Assembly elections.

S38. Ans.(c)

Sol. Article 257 of Indian Constitution state that, The executive power of every State shall be so exercised as not to impede or prejudice the exercise of the executive power of the Union, and the executive power of the Union shall extend to the giving of such directions to a State as may appear to the Government of India to be necessary for that purpose.

S39. Ans.(b)

Sol. The Jhelum River (725 km) is the westernmost of the five rivers (Beas, Chenab, Jhelum, Ravi, and Sutlej) of the Punjab region that merge with the Indus River in eastern Pakistan.

- It flows into northern India and eastern Pakistan. It is a tributary of the Chenab River. The river Jhelum is called Vitasta in the Rigveda.

S40. Ans.(c)

Sol. The systems developing in the mid and high latitude (35° latitude and 65° latitude in both hemispheres), beyond the tropics are called the middle latitude cyclones or extra tropical cyclones or temperate cyclones or frontal cyclones or wave cyclones.

- The temperate cyclones occur mostly in winter, late autumn and spring. They are generally associated with rainstorms and cloudy weather.
- The temperate cyclones are asymmetrical and shaped like an inverted 'V'. The wind strength is more in eastern and southern portions, more over North America compared to Europe.
- The approach of a temperate cyclone is marked by fall in temperature, fall in the mercury level, wind shifts and a halo around the sun and the moon, and a thin veil of cirrus clouds. It is more pronounced in Northern hemisphere due to greater temperature contrast. It can form both on land as well as seas.

S41. Ans.(d)

Sol.

- Near the earth's surface, hot air rises up whereas cold air comes down.
- The hot air rises up because gases expand as they heat up.
- The hot air is lighter (less dense) than the cold air.
- When warm air rises at a place, the air pressure at that place is lowered.
- Air expands on heating and contracts on cooling.
- On heating, the air expands and occupies more space.
- Air always moves from a region of high pressure to a region of low pressure.

S42. Ans.(a)

Sol. Shambhu Maharaj was awarded the Padma Shri for his contribution to Kathak Dance.

- Pandit Shambhu Maharaj was a Guru of the Lucknow Gharana (school) of the Indian classical dance form, Kathak.
- Kathak is one of the eight major forms of Indian classical dance. It is the classical dance form of Uttar Pradesh.

S43. Ans.(c)

Sol. Rukmini Devi Arundale was the first woman classical dancer in independent India to be nominated as a member of the Rajya Sabha.

- Rukmini Devi Arundale was an Indian theosophist, dancer, and choreographer of the Indian classical dance form of Bharatanatyam, and an activist for animal welfare.
- She was the first woman in Indian history to be nominated as a member of the Rajya Sabha, the upper house of the Parliament of India.

S44. Ans.(c)

Sol. The difference between the total revenue and total expenditure of the government is termed fiscal deficit. It is an indication of the total borrowings needed by the government.

- While calculating the total revenue, borrowings are not included.
- Fiscal deficit = Total expenditure – Total receipts other than borrowings

S45. Ans.(b)

Sol. When the government resorts to borrowing only to clear the backlog of interest payments, it is referred to as a zero primary deficit.

Primary Deficit shows the amount of government borrowings specifically to meet the expenses by removing the interest payments. Therefore, a zero Primary Deficit means the need for borrowing to meet interest payments.

S46. Ans.(d)

Sol. Plasma membrane allows or permits the entry and exit of some materials in and out of the cell.

- The plasma membrane, also known as the cell membrane, is a selectively permeable membrane that surrounds the cell, separating the internal environment from the external environment.
- It allows some materials, such as oxygen, carbon dioxide, and water, to pass through freely, while restricting the passage of other materials, such as large molecules or ions. The plasma membrane plays a crucial role in maintaining the homeostasis of the cell and is responsible for the communication between the cell and its environment.

S47. Ans.(a)

Sol. The skin, the lining of the mouth, the lining of blood vessels, lung alveoli and kidney tubules are all made of epithelial tissue.

- Epithelial tissue is composed of tightly-packed cells that form a continuous layer or sheet over the body's surfaces or lining of internal organs.
- It serves many functions, such as protecting the body from the external environment, regulating the exchange of materials between the body and the environment, and secreting and absorbing substances.
- Epithelial tissue is classified based on the shape of its cells (squamous, cuboidal, or columnar) and the number of cell layers (simple or stratified).

Other Option Details:

- **Connective tissue:** This type of tissue is responsible for providing support and structure to the body. Examples include bone, cartilage, and blood.
- **Muscular tissue:** Muscular tissue is responsible for movement in the body. There are three types of muscular tissue: skeletal, smooth, and cardiac.
- **Nervous tissue:** Nervous tissue is responsible for communication within the body. It includes neurons and supporting cells called glial cells, and plays a key role in the nervous system's ability to transmit and process information.

S48. Ans.(b)

Sol. Blue litmus paper turns red under acidic conditions and red litmus paper turns blue under basic or alkaline conditions. Acids have pH value less than 7.

S49. Ans.(a)

Sol. A chemical reaction in which hydrogen is added to, or oxygen is removed from, a compound is reduction and oxidation is opposite of reduction.

In statement I: Lead is not getting reduced

In statement II: carbon is oxidized

In statement III: Lead oxide is getting reduced.

S50. Ans.(c)

Sol. For a body moving with non-uniform acceleration Velocity-time graph is non-linear.

When the acceleration of a body is non-uniform, the velocity-time graph will not be a straight line. Non-uniform acceleration means that the acceleration of the body is changing over time. As a result, the velocity of the body will change at different rates during different intervals of time, leading to a non-linear velocity-time graph.

The displacement-time graph, on the other hand, can be either linear or non-linear, depending on the specific nature of the non-uniform acceleration. If the acceleration is constant, the displacement-time graph will be a quadratic curve. If the acceleration is not constant, the displacement-time graph can take various forms, such as curves or more complex shapes.



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