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SUBJECT-WISE MCQS

(Strictly as per latest and changing pattern of BPSC CCE Examination)

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About the Author



Rohit Priyadarshi is Founder of BPS CONCEPT WALLAH (BCW) which aims to democratise education in the field of state PCS. He is a socio-political analyst and his columns in the national daily like Dainik Jagran has received accolades from the student community preparing for UPSC CSE & State PCS.

He has authored Six Books for BPS which has been the best seller in the domain.

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BPSC PRELIMS PRACTICE BOOK

SUBJECT-WISE MCQS AND EXPLANATION

(Strictly as per latest and changing pattern of BPSC CCE and TRE Examination)

Rohit Priyadarshi

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Preface

Dear Aspirants,

You all know that prelims of BPSC has become quite dicey and back breaking for students. I have thoroughly analysed the changing pattern of the exam and emulated all the necessary changes in creating this question bank which is specifically focussed on BPSC Examinations.

Rather than providing a haphazard list of random questions from the syllabus, this book will prevent the students from shooting blindly in the dark. The positives of this book is multifarious.

This book has provided questions on the basis of the areas which are most favoured by the commission. For instance – in the science section, it has given more weightage to biology over physics and chemistry as it has constantly been observed that more questions have been asked from biology. Same has been done in the case of ancient history which has more questions than the medieval section. Moreover, Bihar History has more practice questions than Bihar Polity.

Micro listing of topics is yet another excellent feature of this book. Segregation of questions on the basis of their weightage per se – in ancient history more questions have been provided for practice from Jainism and Buddhism as compared to the Chola Empire as the former topics have a higher chance of being asked in the exam as per the pattern.

This question bank will act as a thin line which will separate those who are studying from those who are studying smartly. And we all know that smart study is the need of the hour. I need to conclude my description of this question bank due to the paucity of words and leave it to the aspirants to see for themselves and decide.

I hope to see all the aspirants shine brightly in their lives and wish that my attempt in creating this question bank gets the chance to play a small role in your journey to success. My prayers and best wishes for all.

Rohit Priyadarshi

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Acknowledgment

Writing this book has been an incredible & fabulous journey, and it would not have been possible without the support and encouragement of many individuals.

I would like to take this opportunity to express my deepest gratitude to those who have helped make this book a reality. Needless to say, I am highly grateful to the Content Team of BPS CONCEPT WALLAH (BCW) specially Nikhil Tiwari, Nishant Kumar, Amaresh Kumar, Amar Pratap Singh, Umesh Bhatt, Chunni Kumari, Anamika, Rahul Mishra, Priyanshi Kabsuri, Rahul Kumar, Pallav, Anjali Dagar, Neha Thakur, Swasti Singh, Rashmi Kiran, Runnu Kumari, Varsha Bharduaj, Prachi, Gaurav Manocha & other members of BCW.

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I would like to acknowledge the contribution of my Mentor Dr Vijay Kumar Singh, HOD, Ancient History, Veer Kunwar Singh University, Ara, Bihar, whose mentorship and wisdom have been instrumental in shaping my perspective and approach to writing. Your advice has been a beacon of light on this journey.

I am deeply grateful to the subscribers and students of BCW, for their love, support and enthusiasm which have kept me going.

Thank you all for your unwavering support and belief in me.

Rohit Priyadarshi

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Analysis of Various Subject Based Questions in Previous Years

Number of Questions

Subject	60th-62nd	63rd	64th	65th	66th	67th	68th	69th
History (Ancient, Medieval and Modern History)	27	30	30	26	25	27	25	37
Geography (Indian Geography, Environmental and World Geography)	16	14	10	13	10	13	13	18
Indian Constitution and Polity	12	12	12	8	6	11	10	13
Indian Economics	08	12	18	11	7	7	15	13
General Science (Physics, Chemistry, Biology)	25	20	20	30	30	30	30	26
Bihar Special	26	24	21	26	25	25	17	5
Current Affairs (Bihar, National, and International)	26	28	29	27	37	27	30	24
Mathematics	10	10	10	10	10	10	10	10

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Bihar Special

- Which among the following was the pen-name used by Peer Muhammad Munish, in his articles —
(a) Dukhi (b) Dukhi Atma
(c) Dukhi Hriday (d) More than one
- Which type of tax is imposed at the time of marriage of a tenant's child in Champaran?
(a) Painkharcha (b) Bechai
(c) Marwach (d) Sagaura
- Who was the first woman from Bihar to go to England for political work?
(a) Tarkeshwari Sinha (b) Chandravati Devi
(c) Begam Hasan Imam (d) Prabhavati Devi
- On 26 January 1940, he was arrested at Husainabad in Palamu, and became the first man of Bihar, who was arrested for the defiance of the Defence of India Ordinance. He also visited Afghanistan during Quit India Movement to collect arms and ammunition. Identify the personality being referred here —
(a) Maghfoor Ahmad Azazi
(b) Yogendra Shukla
(c) Shyam Bihari Lal
(d) Basawon Singh
- “At the Feet of Mahatma Gandhi” was written by
(a) Karpuri Thakur
(b) Rajendra Prasad
(c) Sachchidanand Sinha
(d) Raj Kumar Shukla
- In which year was Rajendra Prasad conferred with Bharat Ratna?
(a) 1960 (b) 1961
(c) 1962 (d) 1966
- Consider the following statements:
 - Yadunandan Sharma led the Bakasht Land Movement in Munger.
 - Karyananda Sharma started Reora Satyagraha in support of tenants of the Reora village of Gaya in Bihar.Which among the above statement/s is /are correct?
(a) 1 Only (b) 2 Only
(c) Both 1 and 2 (d) None of the above
- The second session of Bihar Provincial Kisan Sabha was presided by
(a) Swami Shahjanand Saraswati
(b) Rahul Sankrityayan
(c) Yadunandan Sharma
(d) Purushottam Das Tondon
- Second Indigo Revolt in Bihar in 1907–09 was led by
(a) Sheikh Gulab
(b) Sheikh Razab Ali
(c) Peer Muhammad Munish
(d) More than one
- Who among the following was not the member in the delegation that visited Lucknow session in 1916?
(a) Raj Kumar Shukla
(b) Peer Muhammad Munish
(c) Harivansh Sahay
(d) Narahari Parikh
- Who founded the Patna Yuvak Sangh in 1927 —
(a) M N Roy
(b) Jaiprakash Narayan
(c) Satyendra Prasad Sinha
(d) Prof Gyan Saha

93. What is the quorum for a meeting of the Gram Sabha to be called in Bihar?
- 1/10th of the total member of gram sabha
 - 1/20th of the total member of gram sabha
 - 50% of the total members of gram sabha
 - 3/4th of the total members of gram sabha
94. Which Chief Minister of Bihar has the shortest tenure as Chief Minister?
- Karpoori Thakur
 - Mahamaya Prasad
 - Satish Prasad Singh
 - Ram Sundar Das
95. Which of the following is not a standing committee under the Gram Panchayat of Bihar?
- Production committee
 - Education committee
 - Coordination committee
 - Minority committee
96. As per census 2011, in Bihar.
- East Champaran has the highest male population.
 - Patna has the highest female population.
 - There are three districts that have more than 50 lakh population.
- Choose the correct statements
- 1 and 2 only
 - 1 only
 - 2 only
 - 2 and 3 only
97. Identify the correct sequence of sex ratio of districts of Bihar —
- Gopalganj > Siwan > Saran > Kishanganj
 - Gopalganj > Saran > Siwan > Kishanganj
 - Gopalganj > Siwan > Kishanganj > Saran
 - Gopalganj > Kishanganj > Saran > Siwan
98. As per census 2011, how many districts of Bihar have above 70% literacy rates?
- 5
 - 6
 - 7
 - 8
99. As per census 2011, identify the incorrect statement/ statements about Bihar —
- Kaimur is the least densely populated district.
 - Gopalganj is the most densely populated district.
 - Average population of a district in Bihar is 2,731,701.
 - More than one of the above
100. Identify the district of Bihar, with the highest SC population in number and the lowest ST population in percentage —
- Gaya, Khagaria
 - Gaya, Kishanganj
 - West Champaran, Khagaria
 - West Champaran, Sheohar

ANSWERS WITH EXPLANATIONS

1. Ans: (d)

Explanation: Peer Muhammad Munis (1882–1949) was a Hindi journalist as well as a madarsa teacher at Bettiah, who used to write articles under pseudonyms (pen-name) like *Dukhi*, *Dukhi Atma*, and *Dukhi Hridaya*, which were published in the newspaper named '*Pratap*', a paper published from Kanpur and which acclaimed itself for its imprudent statement in favor of Champaran farmers.

Through his writings, he was able to attract Mahatma Gandhi's attention towards the distress being faced by the Indigo peasants at Champaran. Munis and Raj Kumar

Shukla were instrumental in convincing Mahatma Gandhi to visit Champaran, which led to the historic Champaran satyagraha.

According to a British Police record, "**Pir Muhammed Munis is actually a dangerous and hoodlum journalist who through his questionable literature, brought in light the sufferings of a backward place like Champaran in Bihar.**"

BCW Bits

- Known for his anti-colonial articles, Munis is regarded as the pioneer of the audacious journalism in Hindi language, in Bihar.

Geography

- With reference to the planets in the solar system, consider the following statements:
 - The Jovian Planets rotate faster than the Terrestrial Planets.
 - The solar wind has removed more gases and dust from terrestrial planets than the Jovian Planets.
 - The terrestrial planets have higher gravity as compared to the Jovian planets.

Which of the following statements are correct?

(a) 1 & 2 Only (b) 1, 2, & 3 Only
(c) 1 & 3 Only (d) 2 & 3 Only
- Consider the following statements:
 - Primary waves can pass through the Earth's molten core.
 - In a seismograph, surface waves are detected before the P and S waves.
 - Like S-waves, Love waves move perpendicular to the direction of propagation.
 - Rayleigh waves generate an elliptical motion along the direction of propagation.

Which of the following statements are correct?

(a) 1, 2 & 3 (b) 1, 3 & 4
(c) 2, 3 & 4 (d) 1, 2, 3, & 4
- Which of the following factors affect distribution of temperature on the earth?
 - Latitude
 - Altitude
 - Distance from the sea
 - Ocean Currents

Choose the correct option:

(a) 1, 2 & 3 only (b) 1 only
(c) 3 & 4 only (d) 1, 2, 3 & 4
- With reference to the interior of the earth, Consider the following statements:
 - Both SIAL & SIMA are part of the earth's crust
 - SIAL has higher density than SIMA due to higher amounts of magnesium and iron.
 - NiFe layer is solid in nature is densest layer of the Earth

Choose the correct option:

(a) 1, 2, & 3 (b) Only 1
(c) 2 & 3 only (d) Only 3
- Which of the following factors affect the movement of oceanic current?
 - Latitudinal position of the ocean
 - Earth's rotation
 - Wind direction
 - Salinity variations across the ocean
 - Gravitational influence of the sun and moon on the earth.

Select the correct answer using the code given below:

(a) 1, 2 & 3 only (b) 2, 3 & 4 only
(c) 1, 2, 3 & 4 only (d) 1, 2, 3, 4, 5
- Consider the following statements:
 - Coral reefs are mainly found between latitude 30° North & South on mud free coastlines.
 - Increase of ammonia and nitrate in the water leads to coral bleaching.

Which of the following statements are correct?

(a) 1 Only (b) 2 Only
(c) Both 1 & 2 (d) Neither 1 nor 2
- Consider the following statement regarding temperature variability in the atmosphere:

46. Which state of India has the world's largest thorium reserves?
 (a) Kerala (b) Karnataka
 (c) Andhra Pradesh (d) Assam
47. Identify the false statement regarding Narmada River —
 (a) It originates near Amar Katak in Madhya Pradesh.
 (b) Its total length is 1300 km.
 (c) It flows through a total of three states.
 (d) This river does not fall into the Arabian Sea.
48. Which soil is usually found in tropical regions where there is heavy seasonal rainfall?
 (a) Alkaline soil (b) Red soil
 (c) Laterite Soil (d) Alluvial Soil
49. Vaishno Devi, Amarnath Caves and Charar-e-Sharif are some famous places of pilgrimage located in which of the following parts of the Himalayas?
 (a) Darjeeling and Sikkim Himalayas
 (b) Himachal and Uttaranchal Himalayas
 (c) Arunachal Himalayas
 (d) Northwestern Himalayas
50. Arrange the following sources of renewable energy in India in the decreasing order of their contribution to India's total renewable energy capacity:
 1. Wind 2. Solar
 3. Hydro 4. Biomass
 Select the correct codes from the options given below:
 (a) 2 - 3 - 1 - 4 (b) 2 - 1 - 3 - 4
 (c) 2 - 4 - 1 - 3 (d) 2 - 1 - 4 - 3

ANSWERS WITH EXPLANATIONS

1. Ans: (a)

Explanation:

- The Jovian planets are slightly oblong, unlike the spherical shape of the terrestrial planets. The Jovian planets are moving much faster than any terrestrial planet. Gravity alone would have made a planet spherical, but its quick rotation distorts the sphere's shape by moving material away from the equator. Hence, **Statement 1 is correct**.
- The solar wind is strongest near the sun. So, from the terrestrial planets, it blew up a lot of gases and dust. The solar winds were not sufficiently intense to cause the same removal of gases and dust from the Jovian planets. No escaping gases could be held by the smaller size and lower gravity of terrestrial planets. Hence, **Statement 2 is correct**.
- The force of gravity is directly proportional to the masses of two bodies. Gravity will then be directly proportional to massiveness of the planet. The Jovian Planets have greater gravitational pull than terrestrial planets due to their great masses that results in the stronger gravitational fields. Hence, **Statement 3 is not correct**.

BCW Bits

Inner Planets & Outer Planets

Among the eight planets, Mercury, Venus, Earth, and Mars earn the title of inner planets due to their positioning between the Sun and the asteroid belt. The remaining quartet is dubbed outer planets. The initial four, termed terrestrial planets, are crafted from rock and metals, boasting comparatively higher densities. Conversely, the remaining four, termed Jovian or gas giant planets, share similarities with Jupiter, hence the term "Jovian".

2. Ans: (b)

Explanation:

- Earthquake waves are of two main types – Body Waves and Surface Waves. Body waves originate by the release of energy at the earthquake's focus and propagate in all directions through the earth's interior. These waves then interact with surface rocks, giving rise to **Surface Waves**.
- As they travel through varying densities, their velocities change accordingly, with denser materials resulting in higher velocities.

Polity

1. To whom does the speaker submits his resignation in case Deputy speaker post is vacant?
 - (a) President
 - (b) Senior most panel member
 - (c) Chief Justice of India
 - (d) Secretary General of Lower house
2. Consider the below mentioned statements and choose the true statements?
 - (i) Heeralal Samariya was appointed as the chief of the Central Information Commission (CIC) in a recent announcement.
 - (ii) The Central Information Commission (CIC) is a statutory entity formed as per the Right to Information Act, 2005 (RTI Act).
 - (a) None
 - (b) Only ii
 - (c) Both are true
 - (d) Only i
3. Right to access live streaming of Courts proceeding is Fundamental Right Under which Article of Indian constitution?
 - (a) Article 19
 - (b) Article 21
 - (c) Article 15
 - (d) Article 22
4. Which of the below mentioned powers are discretionarily granted to the Governor?
 1. He forwards a report to impose President' rule.
 2. He appoints the Ministers.
 3. He reserves specific bills for the President to consider.
 4. He formulates rules about how the state government should conduct their business.

Choose the right answer:

 - (a) 2, 3 and 4 only
 - (b) Only 1 and 3
 - (c) Only 1 and 2
 - (d) All are true
5. Choose the true statements about the Governor?
 1. He is the nominal head of the state, and needs to listen to the council of ministers advice.
 2. In India, two or more states at the same time can have the same person as their governor.

Select the right option:

 - (a) Only 1
 - (b) None
 - (c) Only 2
 - (d) Both are true
6. Which finance commission introduced the Special category status (SCS) in 1969?
 - (a) First
 - (b) Second
 - (c) Fifth
 - (d) None
7. The 73rd Constitutional Amendment Act, 1992 provides for?
 1. The creation of a District Planning Committees.
 2. State Election Commissions to conduct elections to Panchayats.

Select the right answer:

 - (a) 1 Only
 - (b) 2 only
 - (c) Both 1 & 2
 - (d) None of the above
8. Who appoints the Chief Election Commissioner and other Election Commissioners in India?
 - (a) President
 - (b) Parliament
 - (c) Prime Minister
 - (d) Chief Justice of India
9. Which among the given options is true about a Money Bill in the Indian Parliament?
 - (a) It must receive a two-thirds majority vote in both the houses of Parliament.
 - (b) It should only be introduced in the Lower house.
 - (c) It must exclusively deal with the allocation of funds for welfare schemes.
 - (d) Rajya Sabha and Lok Sabha have equal powers with respect to Money Bill.

- (c) Statement I is true but Statement II is false.
 (d) Statement I is false but Statement II is true.

74. Consider the following statements:

- I The independence of District Judiciary is part of the Basic Structure of the Indian constitution.
 II A District Judge is appointed by the Chief Justice of the concerned state.

Which of the following statements is incorrect?

- (a) Only I (b) Only II
 (c) Both I and II (d) Neither I nor II

75. Consider the following statements:

- I As per recent Supreme Court verdict, the Right to Silence emanates from Article 20.
 II Right against adverse effects of climate change is a 'Distinct Right' under Article 21 and Article 15.
 III Kerala has become the first state in India to implement 'Right to walk'

Identify the **incorrect** options —

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

ANSWERS WITH EXPLANATIONS

1. Ans: (d)

Explanation: if the Speaker or deputy speaker wants to resign then they address their resignation to each other.

In constituent assembly it was debated by **H. V. Kamath** that resignation shall be addressed to President but Ambedkar opined that it shall be addressed to each other as they both are elected (to be read appointed) by the House and not the President.

It is to be noted that In the absence of office of Deputy speaker it has to be addressed to Secretary General of Lok Sabha.

BCW Bits

- **Neelam Sanjiva Reddy** resigned in 1969 as speaker by tendering his resignation to deputy speaker.
- Deputy speaker has same power as that of speaker while he is in the office (Article 95).
- **Article 178** contains provision related to speaker & Deputy speaker office in the Assembly of state.
- As per **Article 93 & 178**, it is mandatory to have the appointment of Deputy speaker in Lok Sabha & State assembly but keeping the post vacant is as good as making mockery of the constitution and the case has been filed in Supreme Court and is being heard.

2. Ans: (c)

Explanation: **Statement i:** Heeralal Samariya, a senior bureaucrat and former Information Commissioner was

recently appointed as the chief of the Central Information Commission (CIC). With this appointment, he has become the first person from the Dalit community to hold the post.

Statement ii: The statutory body, CIC was established under the **Right to Information Act, 2005 (RTI Act)**. As the apex appellate authority for matters related to the RTI Act, the CIC plays a crucial role in ensuring transparency and accountability in governance.

Additional Information:

Appointment: The President appoints the CIC when a committee including the Prime minister, Lower house (Lok Sabha) opposition leader, and a union cabinet minister recommended a person.

Tenure: They hold office for three years or till 65 years of age. They are not eligible for re-appointment.

Responsibilities: Central Information Commission oversees the implementation of the RTI Act across various government bodies and institutions. Its responsibilities include adjudicating on appeals and complaints regarding access to information, promoting awareness about the RTI Act, and monitoring compliance with its provisions.

Therefore, since both statements are accurate, the answer is option (c), i.e., 'Both i and ii.'

3. Ans: (b)

The Supreme Court of India in **Swapnil Tripathi v Supreme Court of India (2018)** case opined that the

History

ANCIENT HISTORY

- Consider the following statements regarding Kushana rulers:
 - Their kingdom extended from central Asia to northwest India.
 - The best evidence of the notions of Kingship projected by Kushana rulers was evident in their coins and sculptures.
 - Large Kushana rulers statues have been found near Mathura in India.
 - Many Kushana rulers took devaputra, or 'son of god' title.
 Select the right answer:
 - Only 1 and 3
 - Only 2 and 4
 - Only 2, 3, and 4
 - All are correct
- The oldest Veda, composed about 3500 years ago was?
 - Rigveda
 - Atharvaveda
 - Yajurveda
 - Samaveda
- The Rigveda mentions a dialogue between two rivers and sage Vishvamitra. Those two rivers are?
 - Beas and Ravi
 - Ravi and Indus
 - Beas and Sutlej
 - Ravi and Sutlej
- Which of the given options is not an example of 'Smriti' (recollection) tradition?
 - The Dharma Shastras
 - The Bhagavad Gita
 - The Ramayana
 - The Vedas
- In which of the vedas will one find a mention of 'Kumbh' and the ritual of bathing associated with it?
 - Rigveda
 - Samveda
 - Atharvaveda
 - Yajurveda
- Which of the following sites of Harappan civilisation is present in Afghanistan?
 - Sutkagendor
 - Shortughai
 - Alamgirpur
 - Manda
- Isampur, one of the earliest known Acheulian site in India is located in which of the following states?
 - Karnataka
 - Rajasthan
 - Maharashtra
 - Gujarat
- Where is the ancient cave of Bikramkhola located?
 - Jharkhand
 - Odisha
 - Bihar
 - Madhya Pradesh
- The term Levalloisian technique is related to?
 - Farming
 - Domestication of animals
 - Tool making
 - Rock Painting
- In Buddhism, the respected (elder) women who had attained liberation were called by the name?
 - Bhikkhuni
 - Theris
 - Bhikkhus
 - Dhamma
- The Kanaganahalli archaeological site is related to?
 - Harappan civilisation
 - Buddhism
 - Vedic civilisation
 - Jainism
- Which among the two Jaina sects believed that women have a possibility of attaining Nirvana and therefore allowed their entry into the monastic order?
 - Svetambaras
 - Digambaras
 - Both (a) and (b)
 - None

90. Dhanyakataka, a significant Buddhist center is located in
 (a) Karnataka (b) Tamil Nadu
 (c) Andhra Pradesh (d) Maharashtra
91. Veerakkuravar was a
 (a) Buddhist monk (b) Vaishnava saint
 (c) Jain Acharya (d) Shaivite
92. Banabhatta has described which of the following rulers as 'a lion to the Huna Deer'?
 (a) Harshavardhana (b) Prabhakaravardhana
 (c) Rajyavardhan (d) Pushyabhuti
93. *Hastayurveda* was authored by?
 (a) Palakpya (b) Amar Singh
 (c) Charak (d) Sushruta
94. Sittanavasal is a famous
 (a) Buddhist site (b) Jain site
 (c) Vaishnava site (d) None
95. Which of the following inscriptions mentions the Sudarshan Lake?
 (a) Besnagar pillar inscription
 (b) Junagarh inscription
 (c) Rummindei inscription
 (d) Bhabru inscription
96. *Pavenipotthaka*, a book of precedence used to prescribe punishment for criminal proceedings, was used by Raja of which mahajanapadas?
 (a) Magadha (b) Vaishali
 (c) Avanti (d) Kosala
97. Which was the first Central Asian Dynasty to invade ancient India around 200 B.C.?
 (a) Kushanas (b) Indo-Greeks
 (c) Scythians (d) Parthians
98. Kanchipuram was famous as the capital of
 (a) Chalukyas (b) Pallavas
 (c) Cheras (d) Cholas
99. Who composed *Silappadikaram*?
 (a) Ilango (b) Sattnar
 (c) Vishakhadatta (d) Thiruvalluvar
100. The Palas were major patron of
 (a) Shaivism (b) Mahayana Buddhism
 (c) Jainism (d) Hinayana Buddhism

ANSWERS WITH EXPLANATIONS

1. Ans: (d)

Explanation: The Kushana (C. first century BCE – first Century CE), empire extended **from Central Asia to northwest India**. The notions of kingship projected by them are evident in their **sculptures and coins**. Their colossal or large statues were found in a shrine at *Matth* near **Mathura** (Uttar Pradesh). Similar statues were also found in **Afghanistan**. It is believed that the Kushanas thought of themselves as God-like, and as a result many of their rulers called themselves **devaputra**, or 'son of god', an inspiration they possibly took **from their Chinese counterparts** who called themselves sons of heaven.

2. Ans: (a)

Explanation: The **Rigveda**, composed about 3500 years ago, is the oldest of all vedas. It has more than a thousand

hymns praising gods and goddesses. These hymns are called **sukta** or 'well-said'. Rigveda has **10** mandals, **1028** suktas and **10552** verses (Richa). 2 to 7 mandals of Rigveda are known to be the most ancient. The three important gods as mentioned in Rigveda were: fire god that is, **Agni**; warrior god, that is, **Indra**; and **Soma**, a plant, juice of which was significant during vedic period. It is written in old or **Vedic Sanskrit**.

3. Ans: (c)

Explanation: A few of the hymns are in dialogue form in the Rigveda. One such part is the conversation between the rivers-**Beas and Sutlej (worshipped as goddesses), with a sage named Vishvamitra**. During Rigvedic times, the river Beas was known as **Vipasa** and river Sutlej has been described as **Shutudri**. The hymns also mention rivers like Indus and its tributaries, the Sarasvati river.

MODERN HISTORY

1. Which of the given statements is/are correct in the context of Brahmo Samaj?

1. The Samaj was against idolatry.
2. The Samaj said the priestly class is not needed to interpret our religious texts.
3. The Samaj believed that whatever the vedas taught was infallible.

Choose the right answer:

- (a) All the 3 statements are correct
- (b) only 1 and 2
- (c) only 2 and 3
- (d) 1 and 3 only

2. Mentioned below are some statements about the Satyashodhak Samaj. Which among them are true?

Statement 1: Jyotirao Phule was the founder of Satya Shodhak Samaj in 1873, to fight against Brahminical domination and upliftment of downtrodden groups.

Statement 2: The goals of Satya Shodhak Samaj included spreading education among Shudras, uniting them against Brahmanical order, and establishing an ideal society without the caste system.

Statement 3: Membership of Satya Shodhak Samaj was open to all, regardless of caste, sect, and religion.

Choose the correct option:

- (a) Only 1 and 2
- (b) Only 2
- (c) Only 1 and 3
- (d) All are true

3. Which leader formed the National Social Conference, a social reform cell within the Congress in 1887?

- (a) Jawaharlal Lal Nehru
- (b) Mahatma Gandhi
- (c) Mahadev Govind Ranade
- (d) Sardar Patel

4. Which among the given statements are correct?

1. Syed Ahmed of Rai Bareilly started the Wahabi Movement, which was aimed at Islamic revivalism, and it was against the rising influence of the west on Islam and advocated for a return to the form of the religion as practiced in the Prophet's time.

2. The Deoband Movement was formed by the Muslim ulema who were orthodox in nature. It propagated the teachings of the Quran and was in favour of jihad against foreign rulers.
3. Madame H.P. Blavatsky and Colonel M.S. Olcott were the founders of the Theosophical Society which aimed at glorifying Indian religious and philosophical traditions, accepting Hindu beliefs in reincarnation and karma.

Choose the correct option:

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

5. Who founded the Tattvabodhini Sabha in 1839, and what was its main objective?

- (a) Rammohan Roy, to study India's past based on rationality.
- (b) Debendranath Tagore, to propagate Roy's ideas on religious and social reforms.
- (c) Syed Ahmed Khan, for promoting education among Muslims.
- (d) Madame H.P. Blavatsky, for the glorification of Indian religious traditions.

6. During 1700s, which goods formed the primary export of the British East India Company from Bengal?

- (a) Oil-seeds, opium and raw cotton
- (b) Salt, sugar, lead and zinc
- (c) Silver, copper, tea, spices and gold
- (d) Opium, saltpetre, silk and cotton

7. Regarding the 'mils' among the Sikhs, which of the given statements is true?

- (a) Mils were groups of armed officers formed by Maharaja Ranjit Singh.
- (b) Mils were democratic in nature and were based on equality.
- (c) Mils were formed to protect Punjab from the invasions of Nadir Shah.
- (d) None of the statements are true.

8. What is meant by the 'Cartaz System' in the context of the initial European presence in India?

Economics

- What are the steps taken for improving the Ease of Doing Business in India?
 - GST implementation
 - Paperless court procedures
 - Digitisation of land records
 - Insolvency and Bankruptcy Code implementation
 Identify the **correct** answer as per code given below:

(a) 1 and 2 only	(b) 1, 3 and 4 only
(c) 4 only	(d) 1, 2, 3 and 4
- Consider the following statements regarding startup India initiative?
 - Startups can raise loans through external commercial borrowing.
 - An easy exit option is available for startups.
 - Startups that receive more than 10 lakh in monetary support from the government initiative are unable to collect financing from the Startup India Seed Fund.
 Identify the **correct** answer as per the code given below —

(a) 3 only	(b) 1 and 2 only
(c) 2 and 3 only	(d) 1, 2 and 3
- Consider the following statements:
 - Increasing the cash reserve ratio might limit the availability of loans in the economy.
 - An increase in repo rates can lead to higher borrowing costs.
 - Decreasing bank rates can help borrowers reduce their funding expenses.
 Identify the **correct** statements —

(a) 1 and 3	(b) 1 and 2
(c) 1, 2 and 3	(d) 2 and 3
- In the context of One Nation One Ration Card scheme, which of the following statements is **incorrect**?
 - Beneficiaries from one state can receive their ration from another state.
 - It allows people to select a dealer of their choice.
 - The scheme's implementation is overseen by the Ministry of Agriculture.
 - Beneficiaries of the scheme can obtain their quota after passing fingerprint or iris identification.
- Consider the following statement regarding the central sector schemes:
 - These schemes are solely funded and implemented by Central government.
 - The schemes are developed by the centre using subjects from the state list.
 - Bharatnet, the Namami Gange initiative, and Local Area Development are examples of centre sector schemes.
 How many of the statements given above are **correct**?

(a) Only 1 and 2	(b) Only 1 and 3
(c) Only 2 and 3	(d) 1, 2 and 3
- Consider the following statements:
 - Nominal GDP is estimated using constant prices for goods and services.
 - Real GDP is the value of the GDP at current existing prices.
 - The GDP deflator provides information regarding the movement of prices since the base year.
 How many statements given above are **correct**?

(a) Only 3	(b) Only 2
(c) Only 1 and 2	(d) Only 1 and 3

- (b) Higher fiscal deficit leaves a higher pool of money for the private sector to borrow from.
- (c) Increase in the fiscal deficit leads to increase in the tax burden on the citizens.
- (d) Higher fiscal deficit leads to higher consumption and production.

74. Identify the correct statement —

- (a) In Dear Money policy RBI decreases the repo rate, and boosts the liquidity in the market.
- (b) In Cheap Money policy RBI decreases the liquidity in the market by increasing the Repo rate.
- (c) In Dear Money policy RBI increases the Repo rate, and reduces the liquidity in the market.

- (d) In Cheap Money policy RBI boosts the liquidity in the market by reducing the Repo rate.

75. The term 'Capacity Utilisation' often used in the Budget is referred to as

- (a) Total manufacturing capabilities utilised by a company at any point of time.
- (b) Total production capabilities utilised by a company at any point of time.
- (c) Total production and manufacturing capabilities utilised by a company at a given point of time.
- (d) None of the above

ANSWERS WITH EXPLANATIONS

1. Ans: (d)

Explanation: The 'Ease of Doing Business' metric measures a nation's business friendliness by considering the various factors such as registration, loan access, investment protection, and trade efficiency. Key factors that influence the ease of doing business include:

- Business registration
- Access to Credit
- Investor protection
- Building permits
- Electrical infrastructure and contract enforcement
- Cross-border Trade
- Tax Compliance
- Insolvency Procedures
- Regulatory, Environment and Entrepreneurship
- Economic growth
- Global competitiveness
- World Bank rankings.

Hence all the options are true.

BCW Bits

- The Ease of Doing Business (EoDB) index was established by the **World Bank Group** and its first report was published in **2003**. It is represented such that with the higher ranking (numerical value being low) in the EODB index, it highlights a well-managed

and effective business superintendence as well as robust shielding to property rights.

- In **2021**, the World Bank suspended the publication of this report after an audit which surfaced the details regarding how the bank management pressurised the experts to orchestrate the results in the reports of 2018 and 2020.
- In the 'Ease of Doing Business Ranking 2020' released by the World Bank, India secured **63rd position (2020)** which was 142nd (2014) in the previous report. This significant jump of 79 positions in EODB index, attributes to the emergence of India as one of the most desired destinations for investments as well as for the conduct of businesses.

2. Ans: (d)

Explanation:

- Statement A: This statement is correct. The Startup India initiative allows startups to raise funds through external commercial borrowing, broadening their financial options and facilitating access to capital. For a minimum average maturity period of **three years**, Startups are allowed to borrow an amount up to **\$3 million** or equivalent in each financial year, which can be either in form of rupees, or any of the convertible foreign currency or a mix of both.

General Science

PHYSICS

- Consider the following statements about acceleration due to gravity (g):
 - Value of g is minimum at the equator.
 - Value of g decreases if the angular speed of the earth increases.
 - Value of g is maximum at the poles.Choose the **correct** statements:
 - 1 and 2 only
 - 1 and 3 only
 - 2 and 3 only
 - All of the above
- When kerosene is added to water, the larvae of a mosquito floating on the surface of water dies due to sinking, it is due to?
 - Decrease in surface tension of water
 - Increase in surface tension of water
 - Kerosene oil acts as a poison for larvae of the mosquito
 - Increase in viscosity of the mixture
- Identify the **correct** statements during simple harmonic motion —
 - Simple harmonic motion is the simplest form of oscillatory motion.
 - Potential energy is the maximum at the mean position.
 - Velocity is above average at extreme ends.
 - Acceleration is minimal at extreme points.Select the correct option:
 - 2 and 3 only
 - 1 only
 - 1 and 4 only
 - 4 only
- Concave Mirror is used in the headlights of vehicles because it:
 - Focuses light from the bulb onto nearby vehicles
 - Sends parallel rays
 - Fits well into the shape of the headlight
 - Is cheaper than other mirrors
- Statement I:** The pitch of the sound wave depends upon its frequency.
Statement II: The loudness of the sound wave depends upon its amplitude.
 - Both the statements are individually true and statement II is the correct explanation of statement I.
 - Both the statements are individually true but Statement II is not the correct explanation of Statement I.
 - Statement I is true Statement II is false.
 - Statement I is false but Statement II is true.
- Ultraviolet rays were discovered by?
 - Herschel
 - Marconi
 - Ritter
 - Roentgen
- Choose the correct statements about electromagnetic waves:
 - They are slightly charged
 - They propagate as longitudinal waves
 - Both A and B are correct
 - None of the above is correct
- Which one among the following is not a luminous object?
 - Sun
 - Proxima Centauri
 - Jupiter
 - Alpha Centauri

in hot soup conducts heat from the soup to our hands. The heat transfer by Conduction is observed mostly in solids, because the solid molecules are bound together by the strong intermolecular forces of attraction, which allows them to only vibrate about their mean positions, when they receive heat energy and thus the transfer of heat to the neighbouring molecule is done by vibration.

Convection: Heat transfer through this mechanism occurs mostly in fluids (liquids or gases). Convection currents are created as warmer fluids rise and cooler fluids sink. This is how heat circulates in our home with a heater or air conditioner. The bubbles and currents arising in boiling water are also due to convection.

16. Ans: (d)

Explanation: Mirages, shimmering pools of water in hot deserts, are actually illusions caused by light bending due to temperature variations in the air. Hot air near the ground is less dense than cooler air above it. As light travels from a distant object, like a tree, it enters the hot air and bends away from the cooler air. Under certain conditions, the angle of light becomes so extreme that it undergoes total internal reflection, bouncing back up towards the observer. This reflected light appears to be coming from a watery surface, creating the mirage illusion.

17. Ans: (d)

Explanation: A plane mirror, by definition, has a perfectly flat surface. The radius of curvature refers to the radius of the imaginary sphere of which the mirror is a tiny part. Since a plane surface extends infinitely in all directions, it can be considered a section of a sphere with an infinitely large radius. Therefore, the radius of curvature for a plane mirror tends to infinity.

- An air bubble present inside the water acts like a concave lens. As air is less dense than water, so when light travels from water into an air bubble (denser to less dense), it bends away from the normal (perpendicular line to the surface). This bending acts like a concave lens, spreading the light rays out instead of focusing them. As a result, objects viewed through the air bubble may appear blurry or magnified.
- The human eye focuses light rays from an object onto the retina, a light-sensitive layer at the back of the eyeball. This creates a real, inverted image that

gets converted into electrical signals by the retina, ultimately allowing us to see.

18. Ans: (c)

Explanation: Transformers are electrical devices that transfer energy between circuits by changing the voltage levels of alternating current (AC). They work through electromagnetic induction, where a changing current in one coil induces a current in a nearby coil. This allows transformers to either step-up voltage (increasing voltage and decreasing current) for efficient transmission over long distances, or step-down voltage (decreasing voltage and increasing current) to power electronic devices.

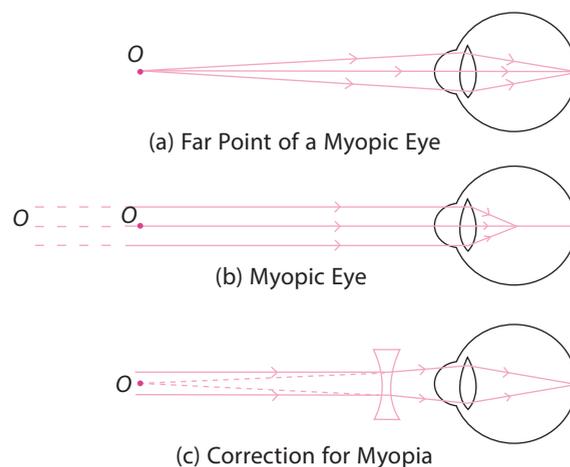
19. Ans: (d)

Explanation: Here Statements A and C are correct. So option (d) is correct.

- There are three common refractive defects of vision. These are (i) Myopia or near-sightedness, (ii) Hypermetropia or far-sightedness, and (iii) Presbyopia

Myopia: A person with myopia can see nearby objects clearly but cannot see distant objects distinctly. In a myopic eye, the image of a distant object is formed in front of the retina.

- This defect may arise due to (i) excessive curvature of the eye lens, or (ii) elongation of the eyeball. This defect can be corrected by using a concave lens of suitable power.



Hypermetropia: A person with Hypermetropia can see distant objects clearly but cannot see nearby objects distinctly. Such a person has to keep reading material