



WBPSM Miscellaneous Previous Year Questions 2018 - Download Detailed Solutions

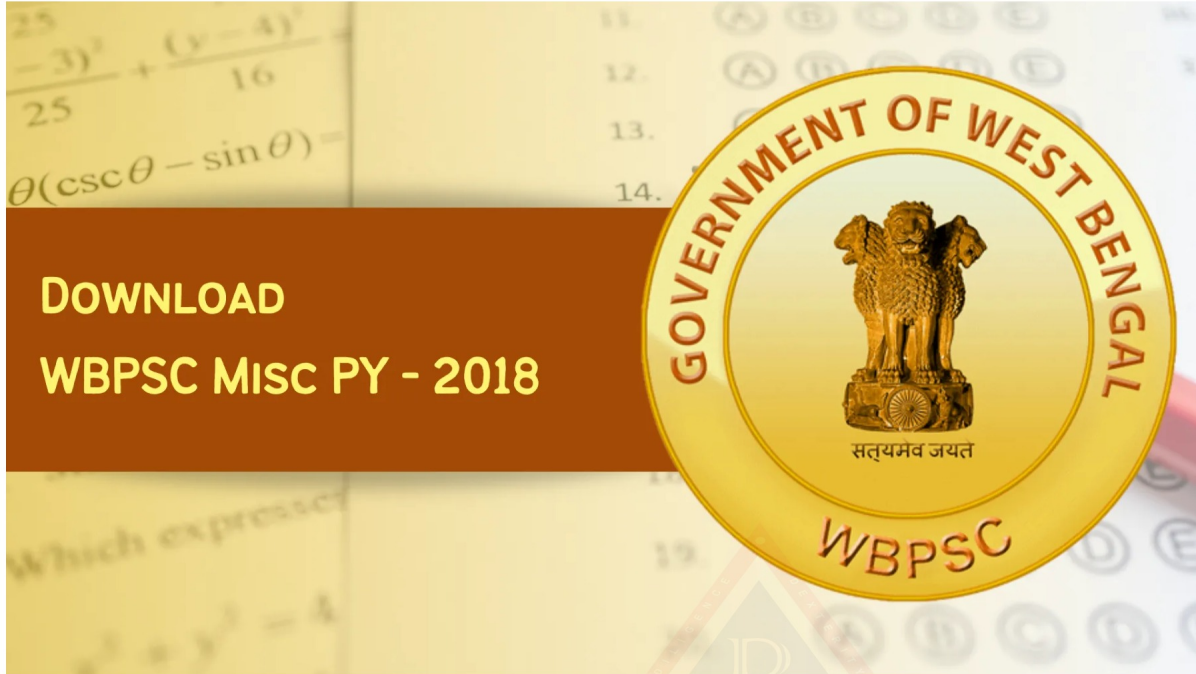
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WBPSM Miscellaneous Previous Year Question 2018 - Solutions

Q:1 The correct answer is **Option 4** i.e. 1260

Given that

75% of the students are boys

The remaining 25% of the students are girls

According to the question

25 % of the students = 420

The number of the boys (75%) = $(420/25) \times 75 = 1260$

Q:2 The correct answer is **option 2** i.e. $33\frac{1}{3}\%$

Let the salary of the B is 100 units

then the salary of the A is = 75 units



Now the salary of the B is 25 units more than the A

Hence, the required percentage = $(25/75) \times 100 = 33\frac{1}{3}\%$

Q:3 The correct answer is **option 2** i.e. **800 Rs**

According to the question

20% loss = 5% profit - 200

-20% = 5% - 200

25% = 200

100% = 800

Hence, the C.P of the article is = 800 Rs

Q:4 The correct answer is **option 2** i.e. $11\frac{1}{9}\%$

Given that

A seller sells his goods at C.P. by faulting the weight of 900 gm instead of 1000 gm.

then he gets profit $(1000 - 900) = 100$ gm

Hence, the required profit percent = $100/900 = 11\frac{1}{9}\%$

Q:5 The correct answer is **option 2** i.e. 1: 5

Given the gain of 20% by selling it at the Cost Price

Let the Cost Price=100

\Rightarrow S.P/C.P = 125/100

\Rightarrow S.P/C.P = 5/4

Then, the profit =1

Hence, the required ratio=1:5

Q:6 The correct answer is **option 2** i.e. **3.3**

Let a number be x

According to the question

$3x = 29.7$



$$x = 29.7/3 = 9.9$$

Hence, the required correct answer is $= 9.9/3 = 3.3$

Q:7 The correct answer is **option 3** i.e. **15 sec**

Let the capacity of the tank be 5 units

Given that

$\frac{4}{5}$ th of the cistern (4 units) is filled in 1 minute or 60 sec

Then the remaining 1 unit is filled $= 60/4 = 15$ sec

Q:8 The correct answer is **option 3** i.e. 15 sec

Given that

Let the total capacity of a tank = 5 units

$\frac{4}{5}$ th of the cistern (4 units) is filled in 1 minute

Then the remaining 1 unit of water is filled in $1/4$ min $= 60/4 = 15$ sec

Q:9 The correct answer is **option 1** i.e. **5**

Given that

X can do a piece of work in 20 days and Y can do it in 12 days.

$$X \times 20 = Y \times 12$$

$$X/Y = 3/5$$

$$Y \text{ worked for 9 days} = 5 \times 9 = 45$$

$$\text{Total work} = 3 \times 20 = 60$$

$$\text{The remaining work} = 60 - 45 = 15$$

Hence, X alone finishes this work $= 15/3 = 5$ days

Q:10 The correct answer is **option 2** i.e. **3 hrs. 12 mins.**

Let 15 workers complete the job in H hours

According to the question

$$12 \text{ workers} \times 4 \text{ hours} = 15 \text{ workers} \times H$$



$$H = 48/15 = 3 \text{ hrs } 12 \text{ mins}$$

Q:11 The correct answer is **option 1** i.e. **136**

Let there be x rows of trees
and there be x trees in a row

According to the question

$$x^2 = 17956$$

$$x = 136$$

Q:12 The correct answer is **option 1** i.e. **6600**

Let, The capital of A is 12

He invested $(1/3 * 12) = 4$ at $7\% = 28\%$

and $(1/4 * 12) = 3$ at $8\% = 24\%$

and remainder 5 at $10\% = 50\%$

$$102\% = 561$$

$$100\% = (561/102) * 100 = 550$$

Hence, the capital of A = $12 * 550 = 6600$ Rs

Q:13 The correct answer is **option 3** i.e. **9-24 A.M**

Given that

A train can go from Burdwan to Howrah in 6 hours and another train can go from Howrah to Burdwan in 4 hours

The distance from Burdwan to Howrah = LCM of (6, 4) = 12 km

The speed of a train from Burdwan to Howrah = $12/6 = 2$ km/hour

The speed of another train from Howrah to Burdwan = $12/4 = 3$ km/hour

Both trains move in opposite direction then relative speed = $3 + 2 = 5$ km/h

The meeting time of both trains = $12/5 = 2.4$ hours = 2 hours 24 minutes

If Both of them start at 7 A.M

Hence, They will meet at 9:24 AM



Q:14 The correct answer is **option 3** i.e. **24 years**

Given that

Ajoy is much younger than Vijoy as he is older than Tarun

Let Ajay's age = A years, Vijay's age is V years and Tarun's age is T years

$$V - A = A - T$$

$$2A = V + T$$

If the total of the ages of Vijoy and Tarun is 48 years

$$2A = 48$$

$$A = 24 \text{ years}$$

Q:15 The correct answer is **option 2** i.e. 61.2%

Given that

X has a monthly income of Rs. 25,000.

He spends 10% on education, 20% of the remaining income is spent on housing and 15% of the remaining income is deposited in savings schemes.

Now, The rest income is spent on food and clothes

According to the question

$$\text{The rest income is spent on food and clothes} = 25000 \times 9/10 \times 4/5 \times 17/20$$

$$= 25 \times 36 \times 17 = 15300$$

$$\text{Hence, the required \%} = (15300/25000) \times 100 = 61.2\%$$

Q:16 The correct answer is **option 4** i.e. **56.87 km/h**

Formula used

The average speed = Total distance covered/total time taken

Distance = Speed \times Time

$$\text{The average speed} = [2 \times 35 + (7/2) \times 60 + (5/2) \times 70] / (2 + 7/2 + 5/2)$$

$$= [70 + 210 + 175] / 8$$

$$= 455 / 8 = 56.87 \text{ km/h}$$



Q:17 The correct answer is **option 3** i.e. **Rs 10**

As we know that

$$\text{Expenditure} = \text{Price} \times \text{Consumption}$$

Given that

A reduction of 20% in the price of apples

$$\text{Price} = 5: 4$$

Then,

$$\text{Consumption} = 4: 5$$

According to the question

$$\text{The reduced-Price per dozen of apple} = 50 \times [(5 - 4)/5] = 10 \text{ Rs}$$

Q:18 The correct answer is **option 2** i.e. **6**

Given that

The least number must be added to 15370 to make it a perfect square.

Firstly we find the nearest perfect of 15370 is 15376 which is a square of 124

$$\text{Hence, we added the least number } (15376 - 15370) = 6$$

Q:19 The correct answer is **option 2** i.e. **1540**

Formula used

$$\text{The sum of squares of the } n \text{ natural numbers} = n(n+1)(2n+1)/6$$

$$\text{The sum of squares of the } n \text{ even natural numbers} = 2n(n+1)(2n+1)/3$$

$$\text{the value of } (2^2+4^2+6^2+\dots+20^2)$$

$$n = 10$$

$$= 2 \times 10(10+1)(2 \times 10+1)/3$$

$$= 20 \times 11 \times 21/3 = 20 \times 11 \times 7 = 1540$$

Q:20 The correct answer is **option 1** i.e. **3: 5**

Given that



If $x : y = 2 : 1$, then $(x^2 - y^2) : (x^2 + y^2)$

According to the question

$$(x^2 - y^2) : (x^2 + y^2)$$

$$(2^2 - 1^2) : (2^2 + 1^2)$$

3 : 5

Q:21 The correct answer is **option 2** i.e. **5 Litre**

Let the x liter of water be mixed in 12 liters of milk

Given that

12 litre of milk costing Rs. 10 per litre, so that it can be sold at Rs. 8 per litre

According to the question

$$12 \times 10 + x \times 0 = (x + 10) \times 8$$

$$120 = 8x + 80$$

$$8x = 40$$

$$x = 5 \text{ liter}$$

Q:22 The correct answer is **option 4** i.e. **5**

Given that

$$\sqrt{20} + \sqrt{20} + \sqrt{20} + \dots$$

In this type of question,

Firstly we do the factor of 20 is 4 and 5

the difference of $5 - 4 = 1$

Hence, the larger value of the factor is 5 is required for the answer

Q:23 The correct answer is **option 1** i.e. **2900**

Given that

$$\text{The ratio of the investment of A, B, and C} = \frac{1}{2} : \frac{1}{3} : \frac{1}{5}$$

$$\text{LCM}(2, 3, 5) = 30$$



Now, The ratio = 15: 10: 6

After 5 months, A withdrew (1/3) of his capital

Now, The ratio of profit after a year = $(15 * 5 + 10 * 7) : 10 * 12 : 6 * 12$

= 145: 120: 72

$(145 + 120 + 72)$ units = 6740

337 units = 6740

1 unit = $6740/337 = 20$

A's share of the profit (145 units) = $145 * 20 = 2900$ Rs

Q:24 The correct answer is **option 3** i.e. **40**

Given that

A result of the wrong posting was 83 instead of 63 of the students

then the net change = $- 83 + 63 = - 20$

Due to this change, the average number of all students has increased by 1/2.

Hence, The students in the class = $20/(1/2) = 40$

Q:25 The correct answer is **option 1** i.e. **Rs. 15,000**

According to the question

4 month's expenditure = 3 month's Income

Income/Expenditure = 3/4

Then, Saving = Income - Expenditure = 4units - 3units = 1 unit

Given that the annual savings = 45000

then the monthly saving (1 unit) = $45000/12$

Hence, the monthly income (3 units) = $45000 * 4/12 = 15000$ Rs

Q:26 The correct answer is **option 1** i.e. **42nd Amendment**

The word 'Secular' was added by the 42nd Constitutional Amendment Act of 1976.



- The act incorporated the words 'Socialist, Secular, and Integrity' in the preamble.
- The Preamble plays a very important role in shaping the destiny of the country.
- It gives a brief idea into the minds of the makers of the Indian Constitution.
- It contains the philosophy on which the entire Constitution has been built.

Q:27 The correct answer is **option 2** i.e. **Preamble to the Constitution**

The Preamble is the introduction to the Constitution that sets out the purpose and goals of the document.

- Social justice is a concept that holds all people should have equal access to wealth, health, well-being, privileges, and opportunity.
- It is not a part of the operative provisions of the Constitution, but it is still an integral part of the document.

Q:28 The correct answer is **option 3** i.e. **Kesavananda Bharati case**

It was the **Kesavananda Bharati case** that brought this doctrine into the limelight. It held that the “basic structure of the Indian Constitution could not be abrogated even by a constitutional amendment”.

- There is no mention of the term “Basic Structure” anywhere in the Constitution of India.
- The idea that the Parliament cannot introduce laws that would amend the basic structure of the constitution evolved gradually over time and in many cases.
- The idea is to preserve the nature of Indian democracy and protect the rights and liberties of people.
- This Basic Structure doctrine of the Indian Constitution helps to protect and preserve the spirit of the constitution document.

Q:29 The correct answer is **option 4** i.e. **Article 19(1)(a)**

The right to know is the species of the right to speech and expression provided by Article 19(1) (a) of the constitution of India.

- A citizen has a fundamental right to access information. It is the duty of the state to protect the fundamental right.

Q:30 The correct answer is **option 1** i.e. **Article 15(3)**

Article 15(3) makes it possible for the state to create special provisions for protecting the interests of women and children.

- Article 15(4) capacitates the State to create special arrangements for promoting the interests and welfare of socially and educationally backward classes of society.
- Several acts such as the Dowry Prevention Act have been passed including the most recent one of Protection of Women from domestic violence Act 2005.

Q:31 The correct answer is **option 2** i.e. **members of loksabha.**

- The President of India is elected by an Electoral College, which consists of the elected members of both houses of Parliament (Rajya Sabha and Lok Sabha) and the elected members of the Legislative Assemblies of States and Union territories.
- Each member of the Electoral College has a certain number of votes based on the population they represent.

Q:32 The correct answer is **option 2** i.e. **amul thapar**

- In 2017, Amul Thapar became the first Indian American Judge of the US Court of Appeals, specifically serving on the United States Court of Appeals for the Sixth Circuit.
- He was nominated by President Donald Trump and confirmed by the Senate.
- He was the first Indian American to be appointed as a federal appeals court judge in the United States.

Q:33 The correct answer is **option 3** i.e. **oxford**

- To bring diversity into the curriculum dominated by the white perspective, the Oxford University has incorporated an exam paper for the students of history that would have the studies of the Indian, Asian and Middle Eastern affairs.
- It is highly probable that global icons like Mahatma Gandhi and Martin Luther King would be included in the new syllabus. Topics such as the Indian independence struggle and the American Civil Right Movement will be taught in the paper.

Q:34 The correct answer is **option 4** i.e. **Finland**

- The concept of providing a basic income to the unemployed or citizens, often referred to as Universal Basic Income (UBI), has been tested or proposed in various countries around the world.
- The specific details, implementation, and scale of UBI programs vary.
- One of the notable examples is Finland, which conducted a basic income experiment between 2017 and 2018.
- However, it's important to note that Finland's experiment was limited in scope and involved only a small group of unemployed individuals

Q:35 The correct answer is **option 2** i.e. **2017**

- Royana, a professor of anatomy at Institute of Medical Science, BHU, was given the responsibility of chief proctor when the varsity was embroiled in controversy after lathicharge on girl students following violent protest on campus in September 23, 2017.
- Taking moral responsibility, the then chief proctor ON Singh had resigned after which then vice-chancellor Prof GC Tripathi appointed her as first chief proctor.

Q:36 The correct answer is **option 4** i.e. **R Madhavan**

- The Ministry of Information and Broadcasting (MIB) appointed actor R Madhavan as the president of the Film and Television Institute of India (FTII) Society and chairperson of the governing council.
- The Film and Television Institute of India (FTII) is a film institute under the Ministry of Information and Broadcasting of the Government of India and aided by the Central Government of India.
- It is situated on the premises of the erstwhile Prabhat Film Company in Pune.
- It was established in 1960 and its alumni includes technicians, actors and directors in the film and television industry.



Q:37 The correct answer is **option 1** i.e. **malala yousafzai**

- Secretary-General António Guterres designated Malala as a United Nations Messenger of Peace in 2017 to help raise awareness of the importance of girl's education.
- United Nations Messengers of Peace are distinguished individuals, carefully selected from the fields of art, literature, science, entertainment, sports and other fields of public life, who have agreed to help focus worldwide attention on the work of the United Nations.

Q:38 The correct answer is **option 2** i.e. **joyti mondal mahi**

- Joyita Mandal, a 30-year-old West Bengal woman Joyita Mandal, the country's first transgender judge, had many problems today, but she never gave up and taught society a new lesson through her work.
- India's first transgender Judge Joyita Mandal has underlined the need for reservation in government jobs for her community members, saying their entry in segments like the police force and the Railways will change society's outlook towards them and help in their advancement in life.

Q:39 The correct answer is **option 1** i.e. **100th amendment**

- GST stands for Goods and Services Tax
- GST was passed as the 101st amendment act. It came into force on 1st July 2017.
- GST is a comprehensive indirect tax on the manufacture, sale, and consumption of goods and services throughout India.
- It will replace existing multiple taxes levied by the central and state governments.
- The concept of GST was first introduced in Parliament by P. Chidambaram in 2005.
- France is the first country to introduce GST.
- The different tax slabs under the GST are 0%, 5%, 12%, 18%, and 28%.
- One nation, one tax, one market is the motto of the GST.
- Amitabh Bachchan is the brand ambassador to promote goods and services tax.

Q:40 The correct answer is **option 1** i.e. **10th shedule**

- The Anti-Defection Law under the Constitution of India is elaborated in the Tenth Schedule.
- The Tenth Schedule, often referred to as the 'Anti-Defection Law,' was inserted into the Constitution by the 52nd Amendment Act, 1985.
- It lays down the provisions for disqualification of Members of Parliament (MPs) and Members of Legislative Assemblies (MLAs) in case they voluntarily give up their membership of a political party or vote against their party's whip on certain issues.
- The law was introduced to curb political defections and maintain the stability of governments.

Q:41 The correct answer is **option 3** i.e. **Ramesh Bais**.

- He is an Indian politician, who serves as Tripura's 18th and present governor.
- A member of the Bharatiya Janata Party, he had served in the government of Atal Bihari Vajpayee as Union Minister of State (Independent Charge) for Environment and Forests since 1999.
- He had been elected from Raipur to the 9th, 11th, 12th, 13th, 14th, 15th and 16th Lok Sabha.
- He was appointed as 18th Tripura Governor succeeding Kaptan Singh Solanki on 20 July 2019.

Q:42 The correct answer is **option 2** i.e. **336-323 B.C.**

- Alexander (356 BCE – 323 BCE) was the son of Philip of Macedonia.
- He became king in 336 BCE.
- At that time, i.e., in the fourth century BCE, the Greeks and the Iranians were fighting for the supremacy of the world.
- Alexander had conquered Asia Minor along with Iran and Iraq. He then marched into northwest India from Iran.
- He had annexed the whole of Persia (Babylon) by defeating Persian King Darius III in the Battle of Arbela (330 BC).
- Alexander was attracted to India's wealth. Apart from that, he was also believed to have a strong passion for geographical inquiry and natural history.

Q:43 The correct answer is **option 1** i.e.

- The Battle of Plassey was fought on June 23, 1757, between the British East India Company, led by Robert Clive, and the Nawab of Bengal, Siraj-ud-Daula.
- This pivotal battle took place near Plassey (now known as Palashi), which is located in present-day West Bengal, India.
- The British East India Company's victory at the Battle of Plassey marked a significant turning point in Indian history, as it established British dominance in Bengal and paved the way for their subsequent colonial rule over large parts of India.

Q:44 The correct answer is **option 1** i.e.

- Sir Chandrasekhara Venkata Raman, commonly known as C. V. Raman, was an Indian physicist.
- He is renowned for his groundbreaking work in the field of light scattering, which led to the discovery of the Raman Effect.
- The Raman Effect is a phenomenon where light, when passing through a medium, changes its wavelength and provides information about the molecular composition of that medium.
- C. V. Raman's discovery of this effect earned him the Nobel Prize in Physics in 1930, making him the first Asian and first non-white person to receive a Nobel Prize in a scientific field.

Q:45 The correct answer is **option 1** i.e. **Mahatma Gandhi**

- The phrase 'Do or Die' was popularized by Mahatma Gandhi during the Quit India Movement of 1942.
- It was a call for Indians to demand an end to British colonial rule and was part of the civil disobedience movement against British authorities.
- Gandhi's 'Do or Die' speech called for non-violent resistance and the willingness of Indians to face the consequences of their actions in pursuit of independence



Q:46 The correct answer is **option 1** i.e. **Bombay and Kurla**

- The first electric train in India ran between Bombay (now Mumbai) and Kurla on February 3, 1925.
- This marked the beginning of electric train services in the country.

Q:47 The correct answer is **option 1** i.e. **1938**

- Subhas Chandra Bose was elected as the President of the Indian National Congress in the year 1938.
- He served as the President during the 1938 Haripura session of the Indian National Congress.

Q:48 The correct answer is **option 2** i.e. **Usain bolt**

- Usain Bolt limped out in his farewell race as Jamaica finished last in 4x100m relay at the World Athletics Championships.
- Bolt fell down in the middle of the race
- Britain went on to win gold in 37.47 seconds, 0.05 seconds ahead of the United States
- Bolt ended his stellar career in excruciating pain

Q:49 The correct answer is **option 1** i.e.

- Mithali Raj is the captain of Indian Women's National Cricket team.
- The India women's national cricket team, also known as 'Women in Blue', represents India in women's international cricket.
- It is governed by the Board of Control for Cricket in India (BCCI), and is a full member of International Cricket Council (ICC) with Women's Test cricket, Women's One Day International (WODI), and Women's Twenty20 International (WT20I) status.

Q:50 The correct answer is **option 1** i.e. **pakistan**

- India beat Pakistan in the final of the Blind T20 Cricket World Cup in 2017, which was held in Bengaluru.
- This was a significant victory for the Indian team in the tournament.

Q:51 The correct answer is **option 2** i.e. **Indonesia**

- The 18th edition of the Asian Games officially kicked off in the Indonesian capital on 18th August 2018.
- Asian Games 2018, also known as Jakarta Palembang 2018, starting from August 18 ended on September 2, 2018, in the Indonesian cities of Jakarta and Palembang.
- It was the second time for Jakarta to host the sports games after 1962.
- The Asian Games, also known as Asiad, is a continental multi-sport event held every four years among athletes from all over Asia.
- India's final tally at the 18th Asian Games in Jakarta and Palembang, Indonesia read 69 medals – 15 gold, 24 silver, and 30 bronze.

Q:52 The correct answer is **option 3** i.e. **Goa**



- The West Bengal football team has won the 71st edition of the Santosh Trophy Football tournament-2017 for the 32nd time by defeating Goa in the final at Bambolim, Goa.
- With this win, West Bengal ended a six-year wait having last won the title in 2011.

Q:53 The correct answer is **option 1** i.e. **Rome**

- The first Paralympic Games were held in 1960 in Rome, Italy.
- This event, known as the 9th Annual International Stoke Mandeville Games, featured athletes with disabilities and is considered the precursor to the modern Paralympic Games.
- Since then, the Paralympic Games have grown into a major international multi-sport event for athletes with disabilities.

Q:54 The correct answer is **option 2** i.e. **Bhupendra singh**

- Dhyani Chand Award is for those who have achieved the Lifetime Achievement Award in-games and sports. The award is named after Dhyani Chand (1905–79), an Indian Field Hockey Player who scored more than 1000 goals during a career of more than 20 years from 1926 to 1948.
- Bhupendra Singh is a recipient of the 2017 Dyan Chand award in Athletics.
- P. N. Prakash is the Hon'ble Justice of Madras High Court.
- Saketh Myneni is an Indian Professional Tennis Player. He was awarded the Arjuna Award in 2017.

Q:55 The correct answer is **option 3** i.e. **kerala**

- Kathakali is a classical dance-drama that originated in the Indian state of Kerala.
- It is known for its elaborate makeup, costumes, intricate footwork, and dramatic storytelling.
- Kathakali performances often depict stories from Indian epics and mythology, and they are characterized by vibrant characters, stylized movements, and a combination of dance, music, and acting.
- This art form has a rich cultural heritage in Kerala and is renowned for its unique and captivating performances.

Q:56 The correct answer is **option 3** i.e. **DR. vempati chinna satyam**

- One of the famous dancers of the Kuchipudi dance form is Dr. Vempati Chinna Satyam.
- He was a renowned Kuchipudi guru and choreographer who made significant contributions to the popularization and modernization of Kuchipudi dance.
- His innovative choreography and teaching methods played a crucial role in promoting Kuchipudi on both national and international stages.
- Dr. Vempati Chinna Satyam's legacy continues to influence and inspire Kuchipudi dancers and enthusiasts worldwide.

Q:57 The correct answer is **option 2** i.e. **panjab**



- Giddha Parhaum' is a traditional folk dance performed by women during marriage ceremonies in the state of Punjab, India.
- It is a lively and colorful dance that is an integral part of Punjabi culture and celebrations, especially during weddings and other festive occasions.
- Giddha involves singing, clapping, and dancing in a circle, and it is a joyful expression of the Punjabi spirit.

Q:58 The correct answer is **option 4** i.e. **kalidhasa**

- The play 'Shakuntala' or 'Shakuntalam' was written by the ancient Indian playwright and poet Kalidasa.
- It is one of his most famous works and is considered a masterpiece of classical Sanskrit literature.
- The play tells the story of Shakuntala, a character from the Mahabharata, and her love story with King Dushyanta.

Q:59 The correct answer is **option 2** i.e. **1959**

- The National School of Drama (NSD) was set up in the year 1959.
- It is one of the premier institutions for theatre education and training in India and has made significant contributions to the field of performing arts in the country.

Q:60 The correct answer is **option 3** i.e. **February 2, 1814**

- The Indian Museum in Kolkata, also known as the Imperial Museum, was established on February 2, 1814.
- It is one of the oldest and most prominent museums in India, showcasing a wide range of art, artifacts, and historical collections.

Q:61 The correct answer is **option 3** i.e. **Hariprasad Chaurasia**

- One of the most famous flute instrumentalists in India is Hariprasad Chaurasia.
- He is renowned for his mastery of the bansuri, a traditional Indian bamboo flute.
- Hariprasad Chaurasia has made significant contributions to classical music and has also explored various musical genres, making him a globally recognized and celebrated flautist.

Q:62 The correct answer is **option 2** i.e.

- Sattriya Nritya was officially recognized by the Sangeet Natak Akademi, India's national academy for music, dance, and drama, on November 15, 2000.
- This recognition helped elevate the status of Sattriya Nritya, a classical dance form of Assam, to the level of other recognized classical dance forms in India.
- It signifies the cultural and artistic significance of Sattriya Nritya in India's rich tradition of classical performing arts.

Q:63 The correct answer is **option 1** i.e.

- Rauf and Hikar is a folk dance associated with the state of Jammu and Kashmir.
- Apart from this, other folk dances of Jammu and Kashmir include Damali, Hikar, Mandjas, etc.



Q:64 The correct answer is **option 1** i.e.

- The book 'Anandamath' was written by Bankim Chandra Chattopadhyay. It is a famous Bengali novel that was published in 1882.
- The novel is not only a literary work but also a significant piece of Indian nationalist literature.
- 'Anandamath' is set during the late 18th century and revolves around the Sannyasi Rebellion against British colonial rule in India.
- The book is known for popularizing the song 'Vande Mataram,' which later became an integral part of India's struggle for independence. Bankim Chandra Chattopadhyay's literary contributions and his role in inspiring the freedom movement in India make him a prominent figure in the country's history.

Q:65 The correct answer is **option 1** i.e. **conquest of self**

- 'Conquest of Self' is a book authored by Mahatma Gandhi, one of the most prominent leaders of the Indian independence movement against British colonial rule. This book, like many of his other writings, reflects Gandhi's philosophy of non-violence, self-discipline, and moral strength.
- In 'Conquest of Self,' Gandhi delves into the importance of self-control and self-purification as essential aspects of personal and societal transformation.
- He emphasizes the need for individuals to conquer their inner weaknesses, including anger, greed, and hatred, in their quest for self-realization and spiritual growth.
- Gandhi's ideas on non-violence (Satyagraha) and his approach to social and political change are deeply rooted in his understanding of self-discipline and inner transformation. 'Conquest of Self' serves as a guide for individuals seeking to better themselves and contribute positively to society, echoing Gandhi's call for self-improvement as a means to bring about positive change in the world.
- This book is a valuable resource for those interested in understanding the philosophical foundations of Gandhi's non-violent movement and his vision for a just and compassionate society

Q:66 The correct answer is **option 4** i.e. **Aurobindo Ghosh**

- Aurobindo Ghosh is the author of the book named 'Essays on Gita.'
- Book has explanation of 'Bhagvat Gita'.
- It was published as a book in 1992.

Q:67 The correct answer is **option 2** i.e. **K. M. Munshi**

- The book 'I follow the Mahatma' was written by Kanaiyalal Maneklal Munshi.
- He documented his learnings and insight into Gandhian principles, which were based on his close interaction with Gandhi over the years.
- It was published in 1940.

Q:68 The correct answer is **option 1** i.e. **Michael Crichton**



- Jurassic Park is a 1990 science fiction novel written by Michael Crichton.
- It was published on 20 November 1990.
- Jurassic Park movie was also created on the basis of this novel and it was premiered on 9 June, 1993.

Q:69 The correct answer is **option 4** i.e. **South Africa**

- Book 'Long walk to Freedom' is an autobiography written by Nelson Mandela.
- He was 1st democratically elected South-African President.
- It was published in 1994.

Q:70 The correct answer is **option 3** i.e. **Bill Gates**

- Book 'Road Ahead' is written by Bill Gates, co-founder and CEO of Microsoft.
- It is about Information Technology.
- It was published on 24 November, 1995.

Q:71 The correct answer is **option 2** i.e. **Thomas Paine**

- Thomas Paine (1737–1809) was one of the most influential political writers.
- Era: Age of Enlightenment
- The Rights of Man; each part was published separately in 1791 and 1792, respectively.

Q:72 The correct answer is **option 3** i.e. **Andhra Pradesh**

- The Tungabhadra basin is divided into two parts, that is- The upper and middle catchment area, which lies in Karnataka, and the lower catchment area, which lies in the state of Telangana and Andhra Pradesh.
- The river is shared between the states of Karnataka, Telangana and Andhra Pradesh.
- It is 531 Km long.

Q:73 The correct answer is **option 3** i.e. **50 Dialects**

- The tribal groups speak about 50 languages and dialects, most belonging to the Tibeto-burman branch of the Sino-Tibetan language family.
- Assamese and Hindi, both of which are Indo-Aryan languages.

Q:74 The correct answer is **option 2** i.e. **Assam**

- The 'Mongoloid' term is used to refer to indicate the section of people who belong to Northern Asia, Eastern Asia, South Asia, Central Asia, and Southeast Asia, the Arctic, and the Pacific Islands.
- The Caucasians mainly include the people of the Aryan origin.
- Assam is the state where Mongoloid and Caucasians meet.

Q:75 The correct answer is **option 2** i.e. **Chhattisgarh**



- Udanti Wildlife sanctuary is located in the Raipur district of Chattisgarh.
- It was established in 1983.
- Udanti Wildlife Sanctuary is famous for its population of the endangered Wild Buffalos.

Q:76 The correct answer is **option 1** i.e. **Haryana**

- Sultanpur bird sanctuary is a famous national park and is located in Gurugram district of the state of Haryana.
- It facilitated a great view for Bird watching from 4 pillars.
- Nearly three thousand species migrate to India due to seasonal changes.

Q:77 The correct answer is **option 4** i.e. **Jammu & Kashmir**

- Wular Lake also known as Wolar in Kashmir.
- It is one of the fresh water lakes of South Asia.
- The lake basin was formed as a result of activity of tectonic plates.
- It is fed by the Jhelum River and stream Madhumati and Arin.

Q:78 The correct answer is **option 2** i.e. **Kerala**

- Annamalai Mountains are famously known as Elephant Mountains.
- These are a range of mountains in the southern Western Ghats of central Kerala.
- Anamudi Peak is the highest peak of the range as well as of the South India.
- Anamudi Peak is 8842 feet high.

Q:79 The correct answer is **option 1** i.e.

Q:80 The correct answer is **option 1** i.e. **Hafnium Carbide**

- Hafnium Carbide is the most heat resistant material in the World.
- It can easily withstand the temperature of 4000 degree Celsius.
- These are widely used as ceramic reinforcement in high-entropy alloys known as (HEAs).

Q:81 The correct answer is **option 2** i.e. **Professor Greg Herman**

- Professor Greg Herman has developed the contact lens sensors to monitor things like stress hormones, uric acid, pressure sensing for glaucoma.
- Contact lenses are mainly used for vision correction and cosmetic purposes. Since they are worn on the eyes and constantly in contact with tears.
- They can provide a unique wearable platform for diagnosing diseases.

Q:82 The correct answer is **option 4** i.e. **Technical University of Munich**



- Holography is a technique that enables a wavefront to be recorded and later reconstructed.
- Scientists at the Technical University of Munich (TUM) have developed a holographic imaging process that depicts the radiation of a Wi-Fi transmitter to generate three-dimensional images of the surrounding environment.

Q:83 The correct answer is **option 1** i.e. **Standard Cosmological Model**

- SCM stands for Standard Cosmological Model.
- The Russian physicist Alexander Friedmann (1888–1925) developed the basic aspects of the application of general relativity to a cosmological model (Friedmann 1922, 1924).

Q:84 The correct answer is **option 2** i.e. **'beauty quark' study**

- The Large Hadron Collider Beauty (LHCb) experiment specializes in investigating the slight differences between matter and antimatter by studying a type of particle called the 'beauty quark', or 'b quark'.
- The Large Hadron Collider beauty (LHCb) experiment is carried out at CERN in Switzerland.

Q:85 The correct answer is **option 4** i.e. **None of the above**

- Mako Orthobot is the robot that is responsible for hip and knee replacement.
- 'Mako Robotic-Arm Assisted Technology' is the innovative solution for those who are suffering from the 'painful arthritis' of the hip or knee.
- It improves alignment and movement of the joint.

Q:86 The correct answer is **option 1** i.e. **Mesentery**

- The Mesentery was once considered a part of the digestive track.
- But then it is considered as the 79th organ in our body.
- The Mesentery is the organ that attaches the intestines to the posterior abdominal wall in humans.

Q:87 The correct answer is **option 2** i.e. **630**

- Muscles provide strength, balance, posture, movement, and heat for the body to keep warm.
- There are approximately 640 muscles in an adult male human body.
- Together with the skeletal system in the human, it forms the musculoskeletal system, which is responsible for the movement of the body.

Q:88 The correct answer is **option 4** i.e. **Stapedius Muscle**

- The stapedius is the smallest skeletal muscle in the human body.
- Its purpose is to stabilize the smallest bone in the body, the stapes or stirrup bone of the middle ear.

Q:89 The correct answer is **option 3** i.e. **Finger nails**



- Hair of Human body is made up of same substance as the Human nails.
- Human nails are made up of a substance called Keratin which is a fibrous protein.
- Hairs are cylinders made of three layers of keratin.

Q:90 The correct answer is **option 1** i.e. **Cylindrical Lens**

- Astigmatism can change the way to pass light and thus causes blurry and distorted vision.
- The eye defect, astigmatism can be corrected by using a spherical cylindrical lens.
- Astigmatism is caused by an irregular curvature of the eye's cornea or lens.

Q:91 The correct answer is **option 1** i.e. **It is a medical diagnostic test.**

- A coronary angiogram is a procedure that uses X-ray imaging to see your heart's blood vessels.
- A angiogram is a common test for people with possible heart symptoms.
- It was first developed in 1927 by the Portuguese physician and neurologist Egas Moniz.

Q:92 The correct answer is **option 1** i.e. **Colonoscopy test**

- Medical diagnosis is the process of determining which disease or condition explains a person's symptoms and signs.
- This is often referred to as a diagnosis because of the medical context involved.
- The information needed for diagnosis is usually gathered from the history and physical examination of the person seeking medical care.

Colonoscopy:

- Colonoscopy is a test performed by your doctor to monitor and examine the inner lining of the large intestine; Rectum and colon. colonoscope
- There is a long and flexible tube, the tip of which is inserted into the anus and slowly advanced, into your anus and through the first part of the colon.

Q:93 The correct answer is **option 4** i.e. **It measures Heart rate**

- It measures how often the heart beats(heart rate) and how regularly it beats(heart rythm).
- It can tell us about the possibility of Heart attack.
- William Einthoven invented the first practical electrocardiograph (ECG or EKG) in 1895 and received the Nobel Prize in Physiology or Medicine in 1924 for it.

Q:94 The correct answer is **option 1** i.e. **Mosquito**

- It is primarily tranmitted through the bite of infected Aedes species of Mosquito.
- These are the same mosqitos that spread Dengue and Chikungunya viruses.

Q:95 The correct answer is **option 3** i.e. **1967**

- The first human heart transplant was performed on December 3, 1967.
- The operation was led by a surgeon named Christiaan Barnard, in Groote Schuur Hospital, Cape Town, South Africa.
- Chris Barnard, the surgeon who led the team that performed the world's first human-to-human heart transplant in December 1967.

Q:96 The correct answer is **option 2** i.e. **Acquired Immuno-Deficiency Syndrome**

- AIDS stands for Acquired Immune deficiency Syndrome.
- AIDS was first identified in the United States in 1981.
- AIDS is caused by a human immunodeficiency virus (HIV).

Q:97 The correct answer is **option 1** i.e. **Blood Sugar**

- Oral Glucose Tolerance test is used for determining how well the body can process a large amount of Sugar.
- This test diagnoses gestational diabetes.
- The glucose tolerance test was first described in 1923 by Jerome W. Conn.

Q:98 The correct answer is **option 1** i.e. **Person having O group blood**

- A Universal blood donor is a person whose blood group is O negative.
- O Negative blood group lacks antigens outside the Red blood cells.
- Due to which our immune system doesn't react to it, so anyone can receive and donate this.

Q:99 The correct answer is **option 1** i.e. **It is a wireless communication technology**

- Li-Fi is a wireless communication technology which utilizes light to transmit data and position between devices.
- The term was first introduced by Harald Hass in 2011.
- It is capable of transmitting data at high speeds over the visible light, ultraviolet, and infrared spectrums.

Q:100 The correct answer is **option 1** i.e. **Edwin Land**

- Edwin H Land was an American Scientist and inventor.
- The company was founded in 1937.
- Land and Polaroid created the first instant camera, the Land Camera in 1948.
- The Polaroid SX-70 was manufactured by Polaroid Corporation from 1972-1981.

WBPSA Miscellaneous Exam Preparation Tips

Are you ready to put on your detective cap and embark on a thrilling journey? Well, hold on tight because I'm about to spill some exclusive details about the WBPSA Miscellaneous Exam Preparation for 2023!



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- 1. Understand the Exam Pattern:** Thoroughly analyze the exam pattern, including the WBPSM Miscellaneous Previous Year Questions, marking scheme, and duration. This understanding will help you plan your preparation accordingly.
- 2. Know the Syllabus Inside Out:** Familiarize yourself with the detailed syllabus, identifying the key topics and subtopics. Prioritize areas that carry more weightage and focus on understanding the fundamental concepts.
- 3. Gather Quality Study Material:** Collect relevant study materials, including textbooks, reference books, and WBPSM Miscellaneous Previous Year Questions. Ensure the materials are updated and aligned with the latest syllabus.
- 4. Create a Study Schedule:** Devise a realistic and personalized study schedule that fits your learning style and time constraints. Allocate dedicated time slots for WBPSM Miscellaneous Previous Year Questions and stick to the schedule consistently.
- 5. Conceptual Understanding:** Focus on understanding the core concepts rather than rote memorization. This approach will help you apply your knowledge to different types of questions effectively.
- 6. Practice with Previous Year Question Papers:** Solve WBPSM Miscellaneous Previous Year Questions to familiarize yourself with the exam format, question types, and difficulty level. Analyze your performance and identify areas for improvement.
- 7. Time Management Skills:** Practice time management techniques to optimize your performance during the exam. Learn to prioritize questions and avoid spending too much time on any single question.
- 8. Mock Tests and Online Quizzes:** Take mock tests, online quizzes, and WBPSM Miscellaneous Previous Year Questions to assess your preparation level and identify areas that need further attention. These tests will also help you build exam temperament and confidence.
- 9. Stay Updated on Current Affairs:** Keep yourself updated on current affairs related to food safety, regulations, and health issues. This knowledge will be helpful for the General Studies section.
- 10. Revise and Review:** Regularly revise and review the topics you have covered to retain information and strengthen your understanding. Create concise notes and summaries for quick revision.

Dhronas mission is simple yet ambitious: to take you under our wing and guide you through every step of the way. Remember, when it comes to the WBPSM Miscellaneous exam, it's not just about cracking the code; it's about being witty, determined, and ready to face any challenge that comes your way. So, fasten your seatbelts, my fellow aspiring constables, and let's conquer this breathtaking adventure together!

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