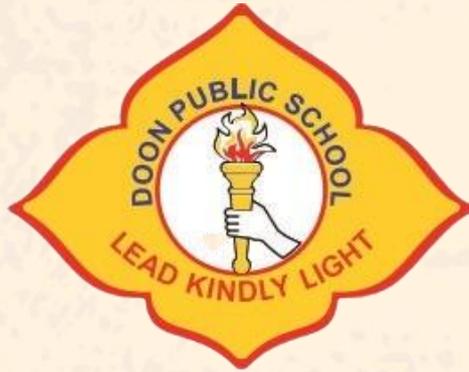


Doon Public School

**A New Generation Sr. Sec. School | Recognised & Affiliated to CBSE
Sector 21, Panchkula - 134112 (Haryana)**



SUMMER BREAK ASSIGNMENTS

SESSION: 2025 - 2026

Class -IX



Dear Doonites

As the summer sun rises high,
And the school gates close for a while,
it's time for a well-deserved pause—your summer vacation is here!



This is the perfect season to relax, refresh, and recharge but also to grow, explore, and discover new things about yourself and the world around you.

While you enjoy the break from the regular school routine, we encourage you to make your days meaningful by blending fun with a bit of learning, movement, and creativity.



Stay Academically Curious:

Pick up books that spark your imagination or revisit topics that challenged you. A little daily revision will go a long way in keeping your mind sharp and ready.



Stay Active:

Step outside, play a sport, go cycling, or dance like nobody's watching! Keep your body moving and your energy flowing. Balance screen time with green time.



Discover Something New:

Learn a hobby—be it painting, coding, gardening, music, or cooking. Every new skill adds a little sparkle to your personality.





Stick to a Simple Routine:

Rest well, wake up fresh, and make time for your family and friends. These little things help you create cherished memories and meaningful connections.



Take Care of Your Mind:

Unplug, breathe, reflect. Try meditation or yoga to find calmness within and balance in life.



Vacation Work:

Don't worry—it's not about pressure or grades. It's about joyful learning, creativity, and exploring subjects in a relaxed, thoughtful way. Use this as an opportunity to reflect, revise, and get ready for the next phase with confidence.

Special Days to Celebrate and Reflect:



June 5 - World Environment Day: Be a young guardian of our planet. Plant a tree, say no to plastic.



June 16 - Father's Day: Celebrate the love and support of your dad or a father figure. A heartfelt gesture or a simple 'thank you' can mean the world.



June 21 - International Yoga Day: Discover the magic of yoga. Practice, stretch, breathe—and feel the peace within you.

Dear students

Make this vacation not just a break, but a beautiful chapter in your life filled with joy, insight, and self-growth. Collect moments, not just marks.



We can't wait to hear your stories, see your creativity, and celebrate your discoveries when you're back!

Until then, stay safe, stay kind, and enjoy every sunshine-filled day.

Wishing you a joyful, rejuvenating, and inspiring summer vacation!



Warm Regards

Team Doon



HERE'S YOUR HOLIDAY ASSIGNMENT

English Language & Literature	<p>Voices for the Earth - An artistic Expression on Environmental Degradation & Disaster Management</p> <p>Create a poster using an environmental quote and a short original message or dialogue from nature's perspective, with reflective pictures and drawings or journals.</p> <ul style="list-style-type: none">• General instructions:• Focus on creativity and grammatical accuracy.• Keep content engaging and relevant to the theme.• Decorate the page with relevant drawings, doodles, or a border that visually represents the theme. Use eco-friendly materials (coloured pencils, recycled paper, etc.).
Hindi	<p>पर्यावरण संरक्षण एवं आपदा प्रबंधन दो महत्वपूर्ण पहलू हैं जो हमारे समाज एवं पर्यावरण की स्थिरता से जुड़े हैं। दिया गया परियोजना कार्य इन्हीं दोनों विषयों पर आधारित है। इस विषय के कारण, प्रभाव एवं समाधान के बारे में जानकारी प्रदान करते हुए चित्र सहित आकर्षक परियोजना कार्य तैयार करें।</p>
Punjabi	<p>ਇੱਕ ਰੰਗੀਨ ਪੋਸਟਰ ਤਿਆਰ ਕਰੋ ਜਿਸ ਵਿੱਚ ਵਾਤਾਵਰਣ ਪਰਦੂਸ਼ਣ ਹੋਣ ਕਾਰਨ ਪੱਛੀਆਂ ਨੂੰ ਹੋ ਰਹੀਆਂ ਸਮੱਸਿਆਵਾਂ (ਜਿਵੇਂ ਧੂੰਆਂ, ਆਵਾਜ਼, ਖਾਣੀ , ਪਰਦੂਸ਼ਣ) ਦਰਸਾਈਆਂ ਜਾਣ।</p>
Sanskrit	<p>"पर्यावरण संरक्षण विषयकौ द्वौ संस्कृत श्लोकौ लिखत ।" पर्यावरण संरक्षण से संबंधित कोई दो श्लोक संस्कृत में लिखिए ।</p>
Mathematics	<p>1. Mathematics plays a crucial role in understanding and solving various environmental problems. From measuring pollution levels to predicting natural disasters, mathematics forms the foundation of Environmental Science. Explain the role of mathematics in the environment and describe in detail any two real-life applications of mathematics in Environmental Science.</p>

	<p>using pictures and diagrams. Use A4 sized interleaf sheets (maximum 3-4).</p> <p>2. Complete activities 1 to 7 in Maths Lab Manual.</p>
<p>Science</p>	<p align="center">Understanding Nature's Nutrient Balance through Biogeochemical Cycles</p> <p align="center">Part I</p> <p>1. Neatly draw the following three biogeochemical cycles: Carbon Cycle, Oxygen Cycle, Nitrogen Cycle</p> <p>2. Below each cycle, write a short paragraph (5-6 lines) covering:</p> <ul style="list-style-type: none"> • What the cycle represents in nature? • How human actions (e.g., burning fossil fuels, deforestation, excessive use of fertilizers) disrupt the cycle? • The impact of this disruption on the environment (e.g., climate change, water pollution, soil degradation). <p align="center">Part II - Practical File Completion</p> <p>Complete the assigned practical numbers 1, 2,8,10 & 11 as instructed in your practical file.</p> <p>Use only blue or black ballpoint/gel/ink pens on ruled pages. Ensure your diagrams and observations are neat, labeled, and well-organized.</p>
<p>Social Science</p>	<p>1. Write effective strategies for protecting forest vegetation and wildlife in India. Highlight the role of individuals, communities, and government initiatives. Write your response in 250-300 words.</p> <p>2. Prepare a project on Disaster Management as per the instructions given below:</p> <ul style="list-style-type: none"> • It should minimum 15 pages file. • Cover page should include title/name of the project, student's name and School name.



	<ul style="list-style-type: none"> • Content requirements: Certificate, Acknowledgement, and Bibliography • Ensure good handwriting throughout • Include diagrams and pictures to illustrate key points.
Banking & Insurance	<p>Prepare a project work on Opening a Bank Account</p> <ul style="list-style-type: none"> • Choose the most suitable type of account for a student (e.g., Savings Account). • Explain the reasons for your choice. • Write the step-by-step procedure to open the account. • Collect and paste banking forms (pay-in slip, withdrawal slip, account opening form, demand draft form, etc.) in your project file.
Physical Activity Trainer	<p>Do the following practical in your Physical Practical file.</p> <ul style="list-style-type: none"> • Any one IOA recognised sports/game of choice. Labelled diagram of field and equipment. Also mention its rules, terminologies and fundamental skills. • Recreational activity (lesson plan).
Ek Bharat Shresth Bharat	<p>Haryana and Telangana are two beautiful States of India. Compare them in regards with "Cultural Diversity (Folk dance, Main food, Main festival, River, Dress/Costume)". Record the findings in the tabular manner.</p>
<p>NOTE: THE ABOVE-MENTIONED WORK FOR ALL SUBJECTS MUST BE DONE ON A4 SHEETS AND PLACED IN INDIVIDUAL PORTFOLIOS. USE YOUR CREATIVE AND ARTISTIC SKILLS TO ENHANCE THE PRESENTATION.</p>	
Information Technology	<p>To create an informative and engaging digital presentation using Libreoffice Impress that highlights the diversity and importance of India's forests, natural vegetation, and wildlife.</p> <p>Project Title: "India's Natural Wealth: Forests, Vegetation & Wildlife"</p> <p>Number of Slides:</p> <ul style="list-style-type: none"> • Minimum 6 to 8 slides



Suggested Structure:

- Title Slide
- Introduction
- Types of Forests in India
- Natural Vegetation
- Wildlife Diversity
- Conservation Efforts
- Conclusion

Submit your project as a softcopy in Pendrive.

Art & Craft

Create the best out of waste ideas.

1. Design a meaningful or artistic product using old or discarded items. Ideas can include organisers, planters, decorative pieces or festival crafts.
2. Design and create an art or utility item using jute e.g. jute bag, coaster, wall hanging, pen stand etc. Material may include jute fabric/rope, glue, lace, paint and decorative elements.



Practice CBQ Worksheets

(Do the following worksheets in your respective subject notebooks)

Subject- English Language & Literature

1. Suppose a school is planning to switch completely to robot teachers. Based on the story, what would be a valid concern?
 - a. Robots might demand too much homework.
 - b. Students will not understand the robot's language.
 - c. Lack of social interaction could affect children's emotional growth.
 - d. Robots might stop working during school hours.
 2. Which poetic device is used in: "Because it was grassy and wanted wear"?
 - a. Personification
 - b. Alliteration
 - c. Assonance
 - d. Simile
 3. Which poetic device is used in "The wind god winnows and crushes them all"?
 - a. Metaphor
 - b. Hyperbole
 - c. Personification
 - d. Irony
 4. If Toto had been trained properly, what might have been a suitable role for him in the house?
 - a. Guarding the house
 - b. Helping with chores
 - c. Playing with guests
 - d. Entertaining with trick
 5. What does Evelyn Glennie's story mainly highlight?
 - a. The importance of sign language in music
 - b. The significance of parental support
 - c. The power of determination and overcoming disability
 - d. The influence of Western music
 6. What does the story suggest about Kezia's change in perception of her father?
 - a. She grows to hate him more.
 - b. She understands that he loves her in his own way.
 - c. She learns he is not her real father.
 - d. She continues to fear him.
- 

- 7. What does the story- 'The Little Girl' primarily focus on?**
- The life of a lonely girl in school
 - The strained relationship between a daughter and her father
 - A girl's adventures in the countryside
 - The girl's friendship with a dog
- 8. What revives the sweet memories in the poet's mind (Rain on the Roof)?**
- Busy schedule
 - Daily routine
 - Raindrops falling on the roof
 - None of these
- 9. Who are the darling dreamers in the poem?**
- Children
 - Mothers
 - Family members
 - Poet's memories
- 10. Every boy and girl _____ in the class today.**
- are present
 - is present
 - have present
 - had present
- 11. I _____ this book since morning.**
- had been reading
 - has been reading
 - have had read
 - shall be reading
- 12. The Council _____ made its decision.**
- have
 - have had
 - has
 - having
- 13. _____ participants left the meeting in between.**
- Several
 - Much
 - The few
 - Little
- 14. Can _____ help me?**
- many
 - nobody



- c. everybody
- d. somebody

15. You can pick _____ of two.

- a. many
- b. more
- c. either
- d. some

Hindi

निम्नलिखित गद्यांश को पढ़कर नीचे दिए गए प्रश्नों के सही विकल्प चुनिए:

मनुष्य का सबसे बड़ा गुण उसका आत्मविश्वास होता है। आत्मविश्वास के बल पर वह कठिन से कठिन कार्य को भी पूरा कर सकता है। आत्मविश्वास से मन में साहस आता है और डर दूर होता है। जो व्यक्ति आत्मविश्वासी होता है, वह जीवन में आगे बढ़ता है और सफलता प्राप्त करता है। अतः हमें अपने अंदर आत्मविश्वास विकसित करना चाहिए।

1. मनुष्य का सबसे बड़ा गुण क्या बताया गया है?

- क) मेहनत
- ख) आत्मविश्वास
- ग) ईमानदारी
- घ) साहस

2. आत्मविश्वास से क्या लाभ होता है?

- क) आलस्य आता है
- ख) डर बढ़ता है
- ग) साहस आता है और डर दूर होता है
- घ) कार्य अधूरा रह जाता है

3. जो व्यक्ति आत्मविश्वासी होता है, वह क्या प्राप्त करता है?

- क) थकावट
- ख) असफलता
- ग) सफलता
- घ) निराशा

4. इनमें से कौन सा शब्द उपसर्ग जोड़कर बना है?

- क) बालक
- ख) सुशील



- ग) अपमान
घ) विद्यार्थी
5. 'विद्वान' शब्द में कौन सा प्रत्यय प्रयुक्त हुआ है?
क) नहीं
ख) मान
ग) वान
घ) आन
6. 'दुख का अधिकार' निबंध में लेखक का मुख्य उद्देश्य क्या है?
क) धार्मिक भावनाओं का वर्णन करना
ख) सामाजिक अन्याय और असमानता को उजागर करना
ग) प्राकृतिक आपदाओं की जानकारी देना
घ) पारिवारिक जीवन का चित्रण करना
7. लेखक ने किस वर्ग के लोगों को "दुख प्रकट करने का अधिकार" नहीं मिलने की बात कही है?
क) उच्च वर्ग
ख) मध्यम वर्ग
ग) निर्धन और मजदूर वर्ग
घ) व्यापारी वर्ग
8. रैदास किस जाति से संबंधित थे, जिसे उन्होंने अपने पदों में उल्लेख किया है?
क) ब्राह्मण
ख) क्षत्रिय
ग) चमार (शूद्र वर्ग)
घ) बनिया
9. "ऐसों लाल तुझ बिन कौन करे" पद में 'लाल' शब्द का प्रयोग किस अर्थ में किया गया है?
क) पुत्र के लिए
ख) राजा के लिए
ग) प्रेमी के लिए
घ) ईश्वर के लिए
10. बछेन्द्री पाल ने एवरेस्ट की चढ़ाई कब पूरी की थी?
क) 15 अगस्त 1982
ख) 23 मार्च 1983



ग) 23 मई 1984

घ) 2 अक्टूबर 1984

11. बछेन्द्री पाल एवरेस्ट की चोटी पर पहुँचने वाली कौन थीं?

क) पहली भारतीय महिला

ख) पहली एशियाई महिला

ग) दूसरी भारतीय महिला

घ) पहली नेपाली महिला

12. रहीम किस भाव को सबसे अधिक महत्व देते हैं?

क) घृणा

ख) प्रेम और विनम्रता

ग) क्रोध

घ) घमंड

13. लेखिका ने गिल्लू को क्या खिलाना शुरू किया था जब वह बहुत छोटा था?

क) दूध और फल

ख) केले और चावल

ग) दूध और ग्लूकोज

घ) रोटी और सब्जी

14. गिल्लू की मृत्यु कब हुई?

क) गर्मियों में

ख) वसंत ऋतु में

ग) वर्षा ऋतु में

घ) शरद ऋतु में

15. निम्नलिखित में से किस विकल्प में 'पद' का सही अर्थ है?

क) केवल संज्ञा और सर्वनाम

ख) केवल क्रिया

ग) वह शब्द जो वाक्य में प्रयोग हो

घ) केवल विशेषण और क्रिया विशेषण



Punjabi

1. 'ਸਮਾਂ' ਕਵਿਤਾ ਦਾ ਲੇਖਕ ਕੌਣ ਹੈ?

- ੳ) ਪ੍ਰੋਫੈਸਰ ਮੋਹਨ ਸਿੰਘ
- ਅ) ਭਾਈ ਵੀਰ ਸਿੰਘ
- ੲ) ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ
- ਸ) ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ

2. 'ਧਰੀਕ' ਸ਼ਬਦ ਤੋਂ ਕੀ ਭਾਵ ਹੈ?

- ੳ) ਖਿੱਚਣਾ
- ਅ) ਸੁੱਟਣਾ
- ੲ) ਕੁੱਟਣਾ
- ਸ) ਭੇਜਣਾ

3. ਸਮਾਂ ਕਵਿਤਾ ਵਿੱਚ ਕਿਸ ਨੂੰ ਰੋਕਣ ਦੀ ਕੋਸ਼ਿਸ਼ ਕੀਤੀ ਗਈ ਹੈ?

- ੳ) ਫੌਜੀ ਨੂੰ
- ਅ) ਸਿਪਾਹੀ ਨੂੰ
- ੲ) ਪਤੀ ਨੂੰ
- ਸ) ਸਮੇਂ ਨੂੰ

4. 'ਭਾਈ ਵੀਰ ਸਿੰਘ' ਕਿਸ ਰੂਪ ਵਿੱਚ ਆਪਣੇ ਵਿਚਾਰ ਬਿਆਨ ਕਰ ਰਿਹਾ ਹੈ?

- ੳ) ਮਰਦ ਰੂਪ ਵਿੱਚ
- ਅ) ਇਸਤਰੀ ਰੂਪ ਵਿੱਚ
- ੲ) ਬੱਚੇ ਦੇ ਰੂਪ ਵਿੱਚ
- ਸ) ਕਿਸੇ ਦੇ ਵੀ ਨਹੀਂ



5. 'ਸਮਾਂ' ਕਵਿਤਾ ਵਿੱਚ ਕਵੀ ਨੇ ਸਮੇਂ ਦਾ ਕਿਹੜਾ ਸੁਭਾਅ ਬਿਆਨ ਕੀਤਾ ਹੈ?

- ੳ) ਸਥਿਰ
- ਅ) ਚਲਾਈਮਾਨ
- ੲ) ਧੀਮੀ ਚਾਲ
- ਸ) ਉਪਰੋਕਤ ਕੋਈ ਨਹੀਂ

6. ਜੁਗਲ ਪ੍ਰਸ਼ਾਦ ਦੇ ਸਭ ਤੋਂ ਛੋਟੇ ਮੁੰਡੇ ਦਾ ਕੀ ਨਾਂ ਸੀ?

- ੳ) ਕਮਲ
- ਅ) ਅਮਨ
- ੲ) ਜੋਤੀ
- ਸ) ਪ੍ਰੀਤ

7. ਜੋਤੀ ਕਿਸ ਕਾਰਨ ਮੰਤਰੀ ਦੇ ਗੱਲ ਹਾਰ ਪਾਉਣ ਲਈ ਚੁਣਿਆ ਗਿਆ ਸੀ?

- ੳ) ਗਰੀਬ ਹੋਣ ਕਾਰਨ
- ਅ) ਲਾਇਕ ਹੋਣ ਕਰਕੇ
- ੲ) ਬਿਮਾਰੀ ਕਾਰਨ
- ਸ) ਸਿਫਾਰਿਸ਼ ਕਰਨ

8. ਜੋਤੀ ਵੱਲੋਂ ਮੰਤਰੀ ਨੂੰ ਹਾਰ ਪਾਉਣ ਵਾਲਾ ਸਮਾਗਮ ਕਿਹੜੇ ਦਿਨ ਸੀ?

- ੳ) ਮੰਗਲਵਾਰ
- ਅ) ਬੁੱਧਵਾਰ
- ੲ) ਐਤਵਾਰ
- ਸ) ਸੋਮਬਰ

9. ਮੰਤਰੀ ਜਵਾਲਾ ਪ੍ਰਸ਼ਾਦ ਦਾ ਜਨਮ ਦਿਨ ਕੋਣ ਮਨਾ ਰਿਹਾ ਸੀ?

- ੳ) ਨਾਗਰਿਕ ਸਭਾ
- ਅ) ਰਾਮਗੜੀਆ ਸਮਾਜ



ੲ) ਅਰੋੜਾ ਬਰਾਦਰੀ

ਸ)ਇਹ ਸਾਰੇ ਹੀ

10. 'ਉੱਪਰ' ਸ਼ਬਦ ਦਾ ਵਿਰੋਧੀ ਸ਼ਬਦ ਚੁਣੋ -

ੳ) ਉੱਤੋ

ਅ) ਆਦਰ

ੲ)ਅਕਾਸ਼

ਸ) ਹੇਠਾਂ

11. 'ਅਕਲਮੰਦ' ਸ਼ਬਦ ਦਾ ਵਿਰੋਧੀ ਸ਼ਬਦ ਕੀ ਹੈ?

ੳ) ਸਿਆਣਾ

ਅ) ਚਤਰ

ੲ) ਬੁੱਧੀਮਾਨ

ਸ) ਮੂਰਖ

12. 'ਸੜੀਅਲ' ਸ਼ਬਦ ਦਾ ਵਿਰੋਧੀ ਸ਼ਬਦ ਕੀ ਹੈ?

ੳ) ਭੈੜਾ

ਅ) ਹੱਸਮੁੱਖ

ੲ) ਰੌਂਦੂ

ਸ) ਸੋਹਣਾ

13. ਜਿਹੜੇ ਨਾਂਵ ਸ਼ਬਦ ਪੁਰਸ- ਇਸਤਰੀ ਭੇਦ ਦਰਸਾਉਣ, ਉਹਨਾਂ ਨੂੰ ਕੀ ਕਿਹਾ ਜਾਂਦਾ ਹੈ?

ੳ) ਕਾਰਕ

ਅ) ਵਚਨ

ੲ) ਲਿੰਗ

ਸ) ਪੜਨਾਂਵ



14. 'ਸਹੇਲੀ' ਸ਼ਬਦ ਦਾ ਪੁਲਿੰਗ ਚੁਣੋ-

- ੳ) ਸਹੇਲਾ
- ਅ) ਸਾਥੀ
- ੲ) ਸੁਹੇਲਣ
- ਸ) ਮਿੱਤਰ

15. 'ਉਸਤਤ' ਸ਼ਬਦ ਦਾ ਵਿਰੋਧੀ ਸ਼ਬਦ ਕੀ ਹੈ?

- ੳ) ਵਡਿਆਈ
- ਅ) ਪ੍ਰਸੰਸਾ
- ੲ) ਸਿਫਤ
- ਸ) ਨਿੰਦਿਆ

Sanskrit

1. षष्ठिः' इत्यस्य संस्कृताङ्करूपं किम् ?

- क) 60
- ख) 16
- ग) 66
- घ) 6

2. चत्वारिंशत् + पञ्च = ? (संस्कृत संख्यया उत्तरं सूचयत)

- क) अर्धशतं
- ख) नवतिः
- ग) पञ्चचत्वारिंशत्
- घ) एकविंशतिः

3. षट्त्रिंशत्' इत्येतत् कियत्?

- क) 36
- ख) 26
- ग) 16
- घ) 46

4. गोदोहनम्' इत्यस्य अर्थः कः?

- क) गवां पालनम्
- ख) गवां विक्रयः
- ग) गवां दुग्धदोहः
- घ) गवां पूजनम्



5. वसन्तः कस्य प्रेरकः अस्ति इति कविना उक्तम् ?
क) केवलं कवीनाम्
ख) बालकानाम्
ग) सर्वेषां जनानाम्
घ) कृषकानाम्
6. "वनानि हर्षं वदन्ति" इत्यत्र कः अलङ्कारः अस्ति?
क) उपमा
ख) अनुप्रासः
ग) रूपकः
घ) मानवीकरणम्
7. भारतवसन्तगीतिः" पाठे कस्य ऋतेः वर्णनं कृतम् अस्ति ?
क) शरदृतोः
ख) ग्रीष्मृतोः
ग) वसन्तृतोः
घ) वर्षातृतोः
8. वसन्तः ऋतुः कथं वर्णितः अस्ति?
क) दुःखस्य प्रतीकः
ख) संग्रामस्य समयः
ग) सौन्दर्यस्य च उल्लासस्य प्रतीकः
घ) शून्यकालः
9. काकः स्वर्णं प्रति किम् भावं दर्शयति ?
क) लोभः
ख) त्यागः
ग) क्रोधः
घ) भयं
10. काकः किमर्थं स्वर्णपक्षान् त्यक्तवान्?
क) शोभां न इच्छति स्म
ख) दुःखेन पीडितः आसीत्
ग) लोभिनः जनान् दुःखितान् दृष्ट्वा
घ) आकाशे उड्डयितुं न शक्नोति स्म
11. स्वर्णकाकः" कथायाः मुख्यः पात्रम् कः अस्ति?
क) मयूरः
ख) काकः
ग) मुषकः
घ) सिंहः
12. काकः केन आच्छादितः आसीत् ?
क) चन्द्रकान्तमणिना
ख) रजतेन
ग) सुवर्णेन
घ) पुष्पैः



13. सत्यव्रतः यदा याचते तदा सः किम् वदति ?

- क) धनं यच्छ
- ख) गवां शतं देहि
- ग) एकां गोदोहनं मातरं देहि
- घ) गवां भोजनं देहि

14. खेल्" धातोः लोट् लकारे मध्यमपुरुषः एकवचनं किम् ?

- क) खेलतु
- ख) खेलाम
- ग) खेले
- घ) खेल

15. गोदोहनम् पाठस्य मुख्यं संदेशः कः अस्ति?

- क) लोभस्य अनर्थः
- ख) दानस्य महत्त्वम्
- ग) धनस्य संग्रहः
- घ) कृषेः महत्त्वम्

Mathematics

1. 3.146146146... can be expressed as

- a. $\frac{3143}{99}$
- b. $\frac{3143}{999}$
- c. $\frac{3146}{1000}$
- d. $\frac{3146}{999}$

2. A point is at a distance of 4 units above the x-axis and 3 units to the left of the y-axis. Which of these could be its coordinates?

- a. (3, 4)
- b. (-3, 4)
- c. (4, -3)
- d. (4, 3)

3. Zeroes of

$$(x - 2)^2 - (x - 2)^2 \text{ is:}$$

- a. 1
- b. 2
- c. 0
- d. None of these



4. The value of $\sqrt{8} + \sqrt{18}$ is :

- a. $\sqrt{26}$
- b. $2(\sqrt{2} + \sqrt{3})$
- c. $5\sqrt{2}$
- d. $6\sqrt{2}$

5. If $a^2 + b^2 = 36$ and $ab = 32$, then the value of $a + b$ is

- a. -10
- b. 10
- c. 0
- d. -20

6. The points A (7, 3), B (12, 3) and C (7, 9) are three vertices of a rectangle. If D is the fourth vertex of the rectangle, which of the following points could be the coordinates of D?

- a. (12, 9)
- b. (9, 12)
- c. (7, 9)
- d. (3, 3)

7. If P(-5,2) and Q(3,-4) are coordinates of two points in a Cartesian plane. Then find the value of:

(abscissa of point P) - (ordinate of point Q)

- a. -6
- b. 6
- c. -8
- d. 8

8. By which of the following the irrational number $2 + \sqrt{3}$ multiplied in order to get rational number

- a. $2 - \sqrt{3}$
- b. $\sqrt{2} + 3$
- c. $\sqrt{2} - 3$
- d. $\sqrt{3} - 2$

9. The value of $(625)^{-\frac{1}{2}} - (625)^{\frac{1}{2}}$ is

- a. 0
- b. $\frac{1}{25}$



c. $-\frac{624}{25}$

d. $\frac{624}{25}$

10. If $x^{51} + 1$ is divided by $x - 1$, then the remainder is

- a. 0
- b. 1
- c. 2
- d. 50

11. The degree of the polynomial $p(x) = (3x^2 - 1)(2x^3 + 1)$ is:

- a. 2
- b. 3
- c. 5
- d. 6

12. The number $1 - 0.\overline{25}$ can be written as:

- a. $0.\overline{75}$
- b. $\frac{25}{99}$
- c. $\frac{64}{99}$
- d. $\frac{5}{9}$

13. If $p(x) = 3x^2 - 11x + 10$ can be written as

$p(x) = (ax - b)(x - 2)$, then value of $(a + b)$ is

- a. 8
- b. -2
- c. 2
- d. -8

14. The perpendicular distance of point B, from the x-axis and y-axis, is 5 units and 3 units respectively.

Based on the above, which of the following statements are valid?

- i) Point B must lie in the first quadrant.
- ii) The coordinates of B could be (5, 3).
- iii) Point B can lie in any quadrant.

- a. only i)
- b. only iii)
- c. only i) and ii)
- d. only ii) and iii)



15. If $x + 1$ is a factor of the polynomial $2x^2 + kx$, then the value of k is
- 3
 - 4
 - 2
 - 2

Science

- The absence of which organelle in a red blood cell helps it carry more oxygen?
 - Nucleus
 - Mitochondria
 - Ribosomes
 - Lysosomes
 - A scientist observes a cell with a well-defined nucleus and multiple membrane-bound organelles. Which type of cell is this likely to be?
 - Prokaryotic cell
 - Fungal spore
 - Plant cell
 - Bacterial cell
 - Which organelle is responsible for packaging and transporting proteins, and how would its malfunction affect the cell?
 - Lysosome - Proteins will digest incorrectly
 - Ribosome - Proteins won't be synthesized
 - Golgi Apparatus - Proteins won't be modified or sent properly
 - Mitochondria - No energy for protein production
 - A car accelerates uniformly from 10 m/s to 30 m/s in 5 seconds. What is the acceleration?
 - 2 m/s^2
 - 4 m/s^2
 - 5 m/s^2
 - 10 m/s^2
 - Which of the following statements indicates non-uniform motion?
 - Object covers equal distances in equal intervals
 - Object moves in a straight line at constant speed
 - Object accelerates while moving
 - Object remains at rest
 - If a graph of velocity-time is a straight line sloping upward, what does the area under the graph represent?
 - Distance
- 

- b. Acceleration
- c. Displacement
- d. Speed

7. A bus is moving with uniform acceleration. Which equation of motion would best help you find the distance travelled in a given time?

- a. $v = u + at$
- b. $s = ut + \frac{1}{2} at^2$
- c. $v^2 = u^2 + 2as$
- d. $s = vt$

8. Why do we feel cold when spirit is applied on our skin?

- a. It reacts with skin
- b. It absorbs heat from the skin during evaporation
- c. It has a low melting point
- d. It solidifies quickly

9. Which condition increases the rate of evaporation the most?

- a. High humidity
- b. Low temperature
- c. Low surface area
- d. High wind speed

10. During the change of state from solid to liquid, temperature remains constant because:

- a. Energy is lost to the surroundings
- b. Substance cools down
- c. Heat is used to break intermolecular bonds
- d. No heat is absorbed

11. The hidden heat required to change a solid into liquid or liquid into gas without change in temperature is called:

- a. Specific heat
- b. Latent heat
- c. Conduction heat
- d. Fusion energy

12. A drop of ink spreads in water but not in oil. This shows:

- a. Water is lighter than ink
- b. Ink is heavier than oil
- c. Diffusion happens faster in water due to weaker intermolecular forces
- d. Water is more viscous



13. Which of the following best explains why gases are compressible but solids are not?
- Gases are lighter
 - Gases have more mass
 - Gases have large intermolecular spaces
 - Solids are more reactive
14. When a metal ball is heated, it expands. Which property of matter is shown here?
- Compressibility
 - Density
 - Thermal expansion
 - Rigidity
15. Which process best explains how the smell of perfume spreads in a room?
- Evaporation
 - Diffusion
 - Melting
 - Condensation

Social Science

Answer the following questions (Multiple choice Questions):

- Which of the following country doesn't share land boundary with India?
 - Bhutan
 - Bangladesh
 - Maldives
 - China
 - If it's noon at the standard meridian of India (82° 30' E) , what is the time at the easternmost point of India (97° 25')
 - 2:00 pm
 - 1:00 pm
 - 4:00 pm
 - 3:00 pm
 - In which country was Montesquieu's model of government first implemented?
 - UK
 - US
 - Japan
 - China
- 

4. **The excess population is considered as a burden for an economy but they can become human capital if there is an investment made in the form of:**
 - a. Education and health
 - b. Hospitals and Schools
 - c. Education, training and medical care
 - d. Sports, Health and Yoga
 5. **Why does Sun rises 2 hours earlier in Arunachal Pradesh than in Gujrat?**
 - a. Time changes by 20 minutes for every one degree of longitude
 - b. Time changes by 30 minutes
 - c. Time changes by 4 minutes
 - d. Time changes by 10 minutes
 6. **Which of the following is not a significant step taken by the government towards improving education level in country?**
 - a. Sarva Shiksha Abhiyan
 - b. MGNREGA
 - c. Navodya Vidyalya
 - d. Girl child education
 7. **Which longitude is taken as Indian Standard Maridian?**
 - a. $82^{\circ} 35'E$
 - b. $82^{\circ} 30'E$
 - c. $82^{\circ} 40'E$
 - d. $82^{\circ} 50'E$
 8. **In which country was Montesquieu's modal of government first implemented?**
 - a. UK
 - b. USA
 - c. Japan
 - d. China
 9. **If we have to travel to Sri Lanka from India, which water bodies would we not travel through?**
 - a. Suez of Canal
 - b. Gulf of Mannar
 - c. Arabian Sea
 - d. All of the above
- 

10. Which one of the following is not related to Subsistence crises?

- a. Basic Means of livelihood are endangered
- b. Good economic condition of peasants
- c. Bad economic condition of peasants
- d. Wages did not increase parallel to Prices

11. What was taille known as?

- a. Indirect tax
- b. Direct tax
- c. Parallel tax
- d. Horizontal tax

12. What did bastille symbolized as?

- a. Military strength
- b. Despotic rule of the king
- c. Humanity
- d. Cowardice act of king

13. Select schemes which are correctly mentioned.

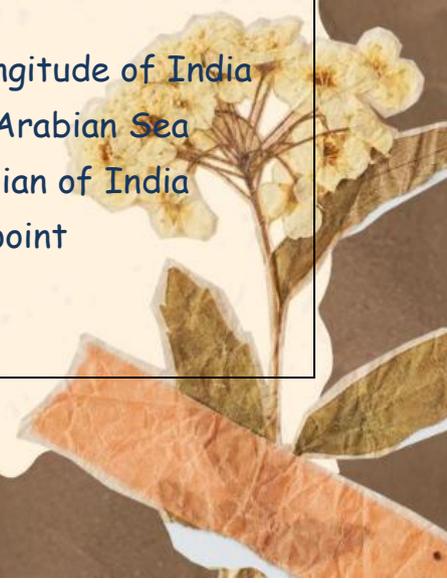
- a. Setting up schools like Navodya
- b. Sarva Siksha Abhiyan
- c. Education for all girl child
- d. Education for children at the age of 6-14 years

14. What is the total length of India's Coastline, including the Mainland and its Island groups

- a. 9516.6 km
- b. 7516.6 km
- c. 8516.6 km
- d. 6516.6 km

15. Match the following:

- | | |
|---------------------|------------------------------------|
| a. Indira Point | (i) Easternmost longitude of India |
| b. $97^{\circ}25'E$ | (ii) Island group in Arabian Sea |
| c. Lakshadweep | (iii) Standard Meridian of India |
| d. $82^{\circ}30'E$ | (iv) Southernmost point |



Banking & Insurance

1. Raj wants to deposit money for safety and earn interest. Which type of institution should he approach?
 - a. Insurance company
 - b. Commercial bank
 - c. Stock exchange
 - d. Post office
 2. Which of the following is the primary function of a bank?
 - a. Selling gold
 - b. Providing lockers for jewellery
 - c. Accepting deposits and lending money
 - d. Operating mutual funds
 3. In which type of account is the cheque facility usually provided?
 - a. Fixed Deposit Account
 - b. Recurring Deposit Account
 - c. Savings Account
 - d. Current Account
 4. A bank lends money to customers and earns interest. What is this activity called?
 - a. Investment
 - b. Credit creation
 - c. Deposit mobilization
 - d. Financial inclusion
 5. Which of the following documents is commonly required to open a bank account?
 - a. Movie ticket
 - b. Aadhaar Card or PAN Card
 - c. School ID card only
 - d. Utility bill only
 6. An endorsement made by simply signing the back of the instrument without mentioning the endorsee is called:
 - a. Full endorsement
 - b. Restrictive endorsement
 - c. Blank endorsement
 - d. Conditional endorsement
 7. Which type of bank account is best for someone with regular business transactions?
 - a. Savings Account
 - b. Recurring Deposit Account
- 

- c. Current Account
 - d. Fixed Deposit Account
- 8. The RBI is called the banker to the banks. Why?**
- a. It gives lockers to all banks
 - b. It keeps money of all banks and controls them
 - c. It lends money to the public
 - d. It runs all commercial banks
- 9. Why is KYC (Know Your Customer) important for banks?**
- a. To increase deposits
 - b. To avoid fraud and verify customer identity
 - c. To provide loans
 - d. To block internet banking
- 10. Which financial service is commonly accessed through ATMs?**
- a. Home loan approval
 - b. Withdrawal and balance check
 - c. Insurance premium payment
 - d. Gold loan sanction
- 11. You are explaining a project to your friend using a diagram. What type of communication are you using?**
- a. Verbal
 - b. Non-verbal
 - c. Visual
 - d. Written
- 12. While giving a speech, you notice your classmates looking bored. What should you do to improve communication?**
- a. Continue reading from the paper
 - b. Increase your volume and add examples
 - c. End the speech quickly
 - d. Ignore them
- 13. A classmate didn't understand your instructions because you used too many difficult words. What communication barrier occurred?**
- a. Physical
 - b. Semantic
 - c. Psychological
 - d. Cultural
- 14. Which of the following is an example of active listening?**
- a. Nodding and summarizing what the speaker said
 - b. Interrupting to share your opinion
 - c. Looking around the room



- d. Thinking about your own experiences
15. Riya is writing an email to her teacher. What should she check before sending it?
- a. Emoji count
 - b. Spelling, grammar, and clarity
 - c. Font style
 - d. Use of abbreviations

Physical Activity Trainer

1. Planning physical activities for children should include_____.
- a. Ignoring safety measures
 - b. Considering age-appropriate activities
 - c. Focusing solely on competition
 - d. None of the above
2. Which of the following is an example of negative feedback?
- a. "You can dance better."
 - b. "Your dance was good, but you can do better."
 - c. "Your dance skill is not really good. You have to practice more."
 - d. None of the above
3. Which factor does NOT influence physical activity in children?
- a. Socioeconomic status
 - b. Age
 - c. Academic performance
 - d. Environmental factors
4. Which of the following is a component of physical development in children?
- a. Cognitive skills
 - b. Emotional regulation
 - c. Gross and fine motor skills
 - d. Social interaction
5. The primary role of physical education in child development is to_____.
- a. Teach academic subjects
 - b. Develop physical fitness and motor skills
 - c. Conduct assessments
 - d. Manage classroom behaviour
- 

6. Which of the following is an inner urge to do something, achieve goals without any external pressure or lure for award or appreciation?
 - a. Self-awareness
 - b. Self-motivation
 - c. Self-regulation
 - d. Self-control
7. Which of the following is not a key element of self-management skills?
 - a. Prioritizing your work
 - b. Not taking feedback
 - c. Goal setting
 - d. Staying updated about new practices
8. Which of the following is a symptom of stress?
 - a. Increased sweating
 - b. Dry mouth
 - c. Cold hands or feet
 - d. All of these
9. Which of the following is a type of communication?
 - a. Verbal
 - b. Non-verbal
 - c. Written
 - d. All of the above
10. Which of the following is a component of effective communication?
 - a. Speaking loudly
 - b. Active listening
 - c. Ignoring body language
 - d. Avoiding eye contact
11. Why is goal setting important?
 - a. It helps waste time
 - b. It causes loss of focus
 - c. It helps you stay organized and motivated
 - d. It helps avoid responsibilities
12. Which of these is a benefit of physical education?
 - a. Poor posture
 - b. Improved motor skills
 - c. Laziness
 - d. Isolation



13. Why is play important in early childhood?

- a. It tires children out
- b. It distracts from studies
- c. It helps in physical, mental, and social development
- d. None of the above

14. Which of the following is NOT a role of a physical activity trainer?

- a. Promoting sedentary behaviour
- b. Planning physical activities
- c. Teaching basic motor skills
- d. Ensuring safety during activities

15. Which is a gross motor skill?

- a. Writing
- b. Drawing
- c. Running
- d. Buttoning a shirt

Information Technology

1. Which of the following is a good example of a SMART goal?

- a. I want to be successful
- b. I will study more
- c. I will complete one math chapter every week for a month
- d. I will try my best

2. Time management helps in:

- a. Playing games
- b. Wasting time effectively
- c. Completing tasks on time
- d. Avoiding all responsibilities

3. Which of these is an example of non-verbal communication?

- a. Speaking on the phone
- b. Writing an email
- c. Smiling at someone
- d. Giving a speech

4. Active listening means:

- a. Interrupting the speaker
- b. Thinking of what to say next
- c. Paying full attention and responding properly
- d. Ignoring unimportant parts

5. Which of the following is a career option in the IT-ITeS sector?

- a. Data Entry Operator



- b. Farmer
 - c. Shopkeeper
 - d. Soldier
- 6. The IT-ITeS industry mainly provides services to:**
- a. Hospitals
 - b. Tourists
 - c. Other businesses and customers
 - d. Farmers only
- 7. Which skill is important to work in the IT-ITeS sector?**
- a. Painting skills
 - b. Communication and technical skills
 - c. Driving skills
 - d. Cooking skills
- 8. Which skill is most important for good teamwork and communication?**
- a. Being loud
 - b. Dominating the discussion
 - c. Listening actively
 - d. Speaking continuously
- 9. A person with good self-management skills is likely to be:**
- a. Disorganized
 - b. Irresponsible
 - c. Punctual and reliable
 - d. Lazy and careless
- 10. The IT-ITeS sector helps in:**
- a. Farming
 - b. Delivering physical goods only
 - c. Providing digital and technical services
 - d. Construction work
- 11. A data entry operator must have good:**
- a. Painting skills
 - b. Typing and accuracy skills
 - c. Cooking skills
 - d. Singing skills
- 12. The ability to express your ideas clearly is called:**
- a. Teamwork
 - b. Leadership
 - c. Effective communication
 - d. Management



13. What is an example of effective written communication?

- a. A confusing email
- b. A clear, polite message
- c. A message full of slang
- d. A blank message

14. What is the first step in effective self-management?

- a. Ignoring tasks
- b. Setting clear goals
- c. Asking others to help
- d. Waiting for reminders

15. Which of the following qualities helps in building self-confidence?

- a. Comparing yourself with others
- b. Practicing positive self-talk
- c. Being afraid to fail
- d. Avoiding new experiences

