DAV PUBLIC SCHOOL ,PTPS PATRATU

HOLIDAY HOMEWORK(2026-27)

CLASS X

ENGLISH

Q1. FILL IN THE BLANKS WITH CORRECT OPTIONS GIVEN IN THE BRACKETS

Spiders are one of the _____ (more/most/lesser/least) fascinating of creatures. Several hundred spiders are _____ (find/found/founded) in India. They are quick to get _____ (of/for/away) when we come too close to them. They _____ (often/hardly/generally) don't sting. Nor is their bite severe. In fact, some ant bites hurt _____ (much/more/most) than a spider bite.

Q2.You are Shobha/Shobhit of XYZ public school. Write an application to your Principal to change your section as your present section is overcrowded and noisy which makes it difficult for you to concentrate on your studies.

3. What qualities of Nicola and Jacopo make them true gentlemen?

4. What reasons did Mrs. Packletide have for shooting a tiger?

5.(i) Nicola and Jacopo had all the qualities except

- **a. money making attitude**
- **b. willingness to work**
- **c. self respect**
- **d. non-complaining attitude**

(ii) according to Mrs. Packletide, Miss Mebbin would not disclose the reality of the tiger shoot because

a. **She wants to blackmail Mrs. Packletide**
b. **She is Mrs. Packletide's Paid companion**
c. **She is Mrs. Packletide's friend**
d. **All of these**

6. Prepare a report on fast depleting tiger Population in India and their present condition in A4 sheet, giving pictures, illustrations and current data.

HINDI

'नेताजी सुभाष चंद्र बोस' विषय पर एक परियोजना कार्य प्रस्तुत कीजिए।

- भारतीय स्वतंत्रता आंदोलन की एक संक्षिप्त रूप रेखा प्रस्तुत कीजिए।
- हिंदू धर्म और संस्कृति की रक्षा में भक्त कवियों के योगदान की संक्षिप्त रूपरेखा प्रस्तुत कीजिए।
- 'वीर बिरसा मुंडा का संघर्ष' विषय पर एक परियोजना कार्य प्रस्तुत कीजिए।
- आपके आस-पास बाल गोविंद भगत जैसे कोई विलक्षण व्यक्ति है तो उनके क्रिया-कलापों पर प्रकाश डालिए।
- तीन अन्य भक्त कवियों की एक-एक रचना लिखिए।
- बंगाल चुनाव परिणाम पर दो व्यक्तियों के बीच संवाद लिखिए।
- निम्न विषयों पर 120 शब्दों में अनुच्छेद लिखिए-
  (i) जलवायु परिवर्तन के प्रभाव
  (ii) भ्रष्टाचार की समस्या
  (iii) राष्ट्रीय एकता
  (iv) युद्ध की विभिषिका
- स्वच्छता का संदेश देते हुए एक विज्ञापन बनाइए।
- तीन दिनों के अवकाश के लिए ईमेल द्वारा प्राचार्य को आवेदन पत्र लिखिए।

HISTORY

Ch.-1 The Rise of Nationalism in EuropeSub.- History

A. Tick (✓) the correct option:-

1. Which of the following artists depicted a world made up of 'democratic and social Republics'?

a) Karl Kaspar Fritz. **(b) Eugene Delacroix**

(c)Frederic Sorrieu. **(d) Lorenz Clase**

2. Which of the following is not true regarding the civil code of 1804?

(a) Equality before law **(b)Universal Adult Franchise**

(c)Right to property **(d) No privileges based on birth**

3. Who said this words "when France sneezes the rest of Europe catches a cold"?

(a) Bismarck **(b) Mazzini**

(c)Metternich (d) Garibaldi

4. Which of the following was an allegory of the French nation?

(a) Marianne (b) Britannia

(c) Germania (d) Mazzini

5. During the middle of 19th century, Italy was divided into _____States.

(a) Five (b) Six

(c) Seven (d) Eight

6. Who, among the following, hosted the Congress at Vietnam in 1815?

(a) king of Netherlands (b) Giuseppe Mazzini

(c) Duke Metternich. (d) Otto von Bismarck

7. Who among the following founded the underground societies namely, Young Italy in

In Marseilles?

a)Cavour (b) Metternich

(c)Giuseppe Mazzini (d) Giuseppe Garibaldi FDGQRWR5

8. What does the crown of oak leaves worn by Germania stand for-

(a)Courage (b) Heroism

(c)Freedom (d) Unity

9. Which area was known as the powder keg of Europe?

(a) Balkans. (b) Ottoman Empire

(c) Italy. (d) Germany

10. The term liberalism is derived from the Latin root liber, meaning _____

(a) Democratic (b) Capitalist

(c) Free (d) Socialist

11. The movement criticised the glorification of reason and science and focused instead

On emotions, intuition and mythical feelings.

(a) liberalism (b) nationalism

(c) Romanticism (d) Spiritualism

12.The process of unification of the Italy was led by _____.

(a) Sardinia- Piedmont (b) Papal State

(c) Venetia (d) Tuscany .

13. Which of the following countries did not attend the Congress of Vie

(a) Britain **(b) Russia**

(c) Prussia **(d) Switzerland**

14. In Germany the measuring unit "Elley" was used to measure-

(a)Cloth **(b)Thread**

(c) Land **(d) Height**

15. The first expression of Nationalism came with-

(a) The industrial revolution of England

(b) The American war of independence

(c) The French revolution

(d) The Russian revolution

16. Who was proclaimed German Emperor after its unification?

(a) The Prussian King William I **(b) The Russian King William I**

(c) The chief minister of Otto vanBismarck **(d) Lenin**

17. Which of the following became the allegory of Germany nation?

(a) Britannia. **(b) Liberty**
(c) Mazzini **(d) Germania**

18. The mission and destiny of the French mission was to liberate the people of Europe From _____.

a) Liberalism. **(b) Despotism**
c)Conservatism **(d) Socialism**

19. Which of the following acts led to the formation of the 'United Kingdom of Great Britain'?

(a) The act of Union **(b) Napoleonic wars**

(c) Treaty of Vienna. **(d) Treaty of Constantinople**

20. In 1867, Gairibaldi led an army of volunteers to Rome to fight against –

(a) Habsburgrules. **(b) French Garrison**
(c) Roman kings **(d) Spanish army**

B. Fill in the blanks:-

1. **The unification of Germany occurred between the years _____.**
2. **The civil code of 1804 was known as the _____ code.**
3. **The _____ Empire ruled over Austria.**
4. **Conservative regimes set up in 1815 were _____ in nature.**
5. **In 1861 _____was proclaimed king of United Italy.**

C. Match the following:-

1. Great economic hardship in Europe.	**(a) the chief architect of the German nation**
2. Estate General	**(b) Large landowners of Prussia**
3. Suffrage.	**(c) 1830**
4. Junkers	**(d) National Assembly of pre-revolutionary France**
. 5. Bismarck	**(e) the right to vote**

Sub –Political Science

Ch.- 1 Power Sharing

1. **With which country is the does Belgium share border ?**
2. **What is the ethnic composition of capital city Brussels ?**
3. **Which religion is adopted as the state religion of Sri Lanka ?**
4. **What is the horizontal distribution of power ?**
5. **Which community holds the majority in Sri Lanka ?**
6. **What do you understand by majoritarianism ?**
7. **What percentage of people live in Belgium who speak German ?**
8. **What is federalism ?**
9. **When did Sri Lanka get independence ?**
10. **Write any three objectives of power sharing.**

Sub-Geography

1. Where was the first International Earth Summit held?
2. When was the first International Earth Summit held?
3. What is the Judicious use of resources known as?

4. Who is the author of the book ‘Small is Beautiful’?

5. Name the most widespread relief feature of India.

6. What is the area brought under cultivation in a year called?

7. What is the area sown more once in a year plus net sown area called?

8. When was the National Forest Policy implemented in India?

9. What should be minimum percentage of forest cover in country for ecological balance?

10. What factor is responsible for maximum land degradation?

11. What is the main cause of land degradation in the mining areas?

12. What is the main cause of land degradation in Punjab and Haryana?

13. What is a special feature of the sustainable development?

14. Name the most widespread soil found in India.

15. What term is used to identify old and new alluvial soil respectively?

16. What is the black soil locally known as?

17. What is the largest region of black soil of India ?

18. Name the parent rock of the black soil .

19. Name the crop widely cultivated in the black soil.

20. What is taken as the basis of classification of the alluvial soil.

ECONOMICS

DEFINE:

- GDP
- National Income
- Human Development Index
- Infant Mortality Rate
- Literacy Rate
- Sustainable Development
- Per Capita Income
- Final Goods and services
- National Development
- Renewable resources
- Non – Renewable resources

***Complete it in notebook and learn for PT- I**

MATHS

PREPARE MIND MAP OF CHAPTER – REAL NUMBERS AND POLYNOMIALS.

Section A: Real Numbers

1. Find the prime factorisation of:
   a) 540 b) 648
2. Using prime factorisation, find HCF and LCM of:
   a) 306 and 657 b) 510 and 92

3. Prove that:
   a) √2 is irrational b) √5 is irrational

4. Without actual division, determine whether the decimal expansion will terminate or not:
   a) 13/3125 b) 17/8 c) 29/120

CBSE PYQs

5. Prove that $\sqrt{3}$ is irrational.
6. Check whether 6^n can end with digit 0 for any natural number n. Give reason.

Case Study

A school organizes sports teams. The number of students in two groups is 306 and 657.
Answer the following:
a) Find the maximum number of students in each team (equal size).
b) How many teams can be formed?
c) Which concept is used in this problem?

Section B: Polynomials

1. Find the number of zeroes (graphically):
   a) $f(x) = x^2 - 4$ b) $f(x) = x^3 - x$

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2. Find zeroes and verify relationship:
   a) $x^2 - 5x + 6$ b) $2x^2 - 7x + 3$
3. Find a quadratic polynomial whose:
   a) Sum of zeroes = 3, Product = 2 b) Sum = –1, Product = –6

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4. Divide:
   a) $(2x^3 + 3x^2 - x + 5) \div (x - 2)$ b) $(x^3 - 3x^2 + 4x - 2) \div (x - 1)$

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7. Factorise:
   a) $x^3 - 6x^2 + 11x - 6$ b) $2x^3 - x^2 - 2x + 1$

Case Study

A company models profit using polynomial:
$P(x) = x^3 - 6x^2 + 11x - 6$
Answer:
a) Find its zeroes
b) Interpret what zero profit means
c) Factorise the polynomial

Section C: Competency-Based Questions

1. If HCF of two numbers is 12 and their product is 1800, find LCM.
2. Find a polynomial whose zeroes are reciprocal of the zeroes of:
   $2x^2 - 3x + 1$
3. If α and β are zeroes of $x^2 - 7x + 10$, find $\alpha^2 + \beta^2$.

SANSKRIT

दशमी कक्षायाः

सन्धि-समासयोः बहुविकल्पीयप्रश्नानां निर्माणं कुरुत।)

SCIENCE

SECTIONA: BASIC CONCEPT

1 What is chemical reaction

2.What is law of conservation of mass

3.What is a balanced chemical equation

SECTIONB:SHORT QUESTION

1.Why should a chemical equation be balanced

2.What is corrosion

3.What is rancidity

SECTIONC:DIAGRAM WORK

1.Electrolysis of water setup

2.rusting of iron process

SECTIOND: ACTIVITY WORK

1.Make a char of types of chemical reaction

2.create a formula and equation sheet

SECTIONE: EXTRA TASK

1Solve previous 5 years board question

2 Write all important reaction

SUBJECT: PHYSICS

- What are the laws of reflection of light? Explain with a diagram.
- Define:
  - Real image
  - Virtual image
  - Principal focus of a concave mirror
- Differentiate between:
  - Concave mirror and convex mirror
  - Convex lens and concave lens
- A ray of light passes from air into glass. Why does it end? Name the phenomenon involved.

- Draw a ray diagram to show the formation of image by:
  - A concave mirror when the object is beyond the centre of curvature
  - A convex lens when the object is placed at $2F_1$

IT (402)

1	**Complete your note copy**
2.	**Complete Exercise Part-A Chapter1 & 2 in Notebook**