



D.A.V. Police Public School

Under the direct control of D.A.V. College Managing Committee, (New Delhi)
Recognized Co-educational, English Medium School (to be upgraded up to Senior Secondary)

Police Lines, Narnaul-123001 (Haryana)

E-mail: davppsnnl@gmail.com, Website: www.davppsnnl.in

Contact No. 01282-254253, 254255, 9811459135



Subject- Mathematics

CLASS-IX

Blue Print of Question paper of Half Yearly exam				
Sr. No.	Form of Questions	No. of Que.	Marks Per Que.	Total
1.	Objective/one word answer	16	1	16
2.	Case Study Based Questions	4	4	16
3.	Very Short Ans. (SA)	6	2	12
4.	Short Ans. (LA)	7	3	21
5.	Long Ans. (LA)	3	5	15
Total		36		80

Mathematics Syllabus of Half Yearly exam

- (i) Number System
- (ii) Polynomials
- (iii) Coordinate Geometry
- (iv) Linear equation in two variables
- (v) Area of parallelograms and triangles
- (vi) Herons's formula
- (vii) Surface areas and volumes
- (viii) Statistics

Subject – Social Science

Chapter	MCQ's	Short Ans. type que. of 3 marks each	Long Ans. type que. of 5 marks each	Case study 4 marks each	Map Work	Total
1. The French Revolution	1	-	1	-	1	7
2. Socialism in Europe and Russian Revolution	1	1	-	1	-	8
3. Nazism and Rise of Hitler	1	1	-	-	1	5
4. India-size and Location	1	1	-	-	1	5
5. Physical Features of India	1	-	1	-	1	7
6. Drainage	-	1	-	1	1	8
7. What is Democracy? Why Democracy?	2	1	-	-	-	5
8. Constitutional Design	1	1	-	-	-	8
9. Electoral Politics	2	-	1	-	-	7
10. The story of Village Palampur	3	1	-	1	-	10
11. People as Resource	2	1	1	-	-	10
Total						80

Computer Application Blue Print:

1. Question paper comprise Three Section : A,B and C. There are 18 questions in the question paper .All questions are compulsory.
2. Section A- Question no. 1 to 10 are very short type question of 2 mark each.
3. Section B –Question 11 to 15 are short answer type questions carry 3 marks each answer. To each question should not exceed 80 words.
4. Section C- Question no 15 to 18 are long question carry 5marks each .

Computer Application Syllabus:

- Unit 1 -Basics of Information Technology
- Practical Work – Word Processing

Subject –English

Section	Topic	MCQ's/ Obj. type que. of 1 mark each	Short Ans. type que. of 3 marks each	Long Ans. type que. of 5 marks each	Very long Ans. type que. of 6 marks each	Total Marks (80)
Section A Reading comprehension	I. Discursive passage of 400-450 words.	10	----	----	---	20
	II. Case-based passage (with visual input statistical data, chart etc.) of 200-250 words	10				
Section B Grammar and Writing Skills	III. Grammar – (tense, modals, determiners, subject-verb concord) (Note:- Grammar will be assessed through Gap Filling/Editing. 10 out of 12 questions will have to be attempted.)	10	----	----	----	20
	IV. Writing Skills I. Writing a Descriptive Paragraph (word limit 100- 120 words) on a person/event/situation based on visual or verbal cue/s. One out of two questions is to be answered.	----	-----	1	-----	
	II. Writing a Diary Entry/ Story on a given title in 100-120 words. One out of two questions is to be answered.	----	-----	1	----	
Section C Language through Literature	V. Reference to the Context 1. One extract out of two from Drama/Prose.	5	----	-----	---	40
	2. One extract out of two from poetry	5				
	VI. Short & Long Answer type Questions. 1. Beehive Prose (1) The Fun They Had (2) The Sound of Music (3) The Little Girl (4) A Truly Beautiful Mind (5) The Snake and the Mirror Poems (1) The Road Not Taken (2) Wind (3) Rain on The Roof (4) The Lake Isle of Innisfree (5) A Legend of The Northland	-----	4	-----	1	
	2. Moments (1) The Lost Child (2) The Adventures of Toto (3) Iswaran the Storyteller (4) In the kingdom of Fools (5) The Happy Prince Note:- (1) Four out of five short answer type questions are to be answered in 40-50 words each from the book Beehive . (2) Two out of three short answer type questions are to be answered in 40-50 words each from the book Moments . (3) One out of two long answer type questions from Beehive is to be answered in about 100- 120 words. (4) One out of two long answer type questions from Moments is to be answered in about 100- 120 words	----	2	----	1	
Total		40	18	10	12	80
Subject –Science						

Blue Print of Question Paper of Annual Exam

Types of Question	No. Of Q.	Marks per Q.	Total
Very Short Ans. (VSA)	13	1	13
Short Ans. (SA-I)	10	2	20
Short Ans. (SA-II)	7	3	21
Diagram/ Long Answer	3	5	15
MCQ	11	1	11
Total	44		80

Syllabus of Mid Term Examination –

- Chapter 1 - Matter in our surroundings
 Chapter 2 - Is matter around us pure
 Chapter 3 - The fundamental Unit of Life
 Chapter 4 - Tissues
 Chapter 5 - Motion
 Chapter 6 - Force and laws of motion
 Chapter 7 - Gravitation

विषय- हिंदी

हिंदी प्रश्न- पत्र प्रारूप

क्रम संख्या	खंड का नाम	अंक
1.	खंड 1 अपठित गद्यांश	5
2.	अपठित काव्यांश	5
3.	खंड 2 व्याकरण	16
4.	खंड 3 पाठ्य पुस्तक क्षितिज भाग-1 व पूरक पाठ्य पुस्तक कृतिका भाग-1 क्षितिज गद्य खंड क्षितिज काव्य खंड कृतिका	14
5.		14
6.		6
	खंड 4	
7.	लेखन	20
		80

अर्द्धवार्षिक पाठ्यक्रम (2022-23)

- पाठ्यपुस्तक क्षितिज (भाग-1) व पूरक पाठ्यपुस्तक कृतिका (भाग-1) क्षितिज (गद्य खंड)
 पाठ-1. दो बैलों की कथा
 पाठ-2. ल्हासा की ओर
 पाठ-3. उपभोक्तावाद की संस्कृति
पद्य खंड
 पाठ-9. साखियाँ एवं सबद
 पाठ-10. वाख
 पाठ-11. सवैये
कृतिका
 पाठ-1. इस जल प्रलय में
 पाठ-2. मेरे संग की औरतें
व्याकरण भाग
 उपसर्ग, प्रत्यय, अर्थ की दृष्टि से वाक्य भेद, समास, संवाद, अलंकार
 अनुच्छेद लेखन, पत्र लेखन (औपचारिक, अनौपचारिक)

	आंतरिक मूल्यांकन (Internal Assessment)		
अ .	सामयिक आकलन (Periodical Test)		5
ख .	बहुविध आकलन (Multiple Assessment)		5
ग .	पोर्ट फोलियो(Portfolio)		5
ड .	श्रवण, वाचन कौशल(Subject enrichment Activities)		5
			20

Note : Internal Assessment is same for all subjects and according to CBSE.

Hindi

Dear Parents:

Half yearly examination will start from Monday, 19 September 2022. The Date Sheet is as follows:

Result will be declared on Saturday, 08 October 2022 from 11 a.m. to 1 p.m.

Date/ Day	III	IV	V	VI	VII	VIII	IX
19-09-22 Monday	Hindi	English	Hindi	Skt.	Science	Maths	English
21-09-22 Wednesda y	S. Sc.	Hindi	Skt.	Science	Maths	English	Hindi
23-09-22 Friday	Maths	Science	S.Sc.	English	Hindi	S.Sc.	Science
26-09-22 Monday	Science	Maths	English	S.Sc.	Skt.	Hindi	S.Sc.
28-09-22 Wednesda y	_____	S. Sc.	Maths	Hindi	English	Science	Maths
30-09-22 Friday	English	_____	Science	Maths	S.Sc.	Skt.	_____

1. School timings are 08:00 a.m. – 12:00 noon for all classes from 19 September, 2022 to 30 September, 2022. School Buses will play accordingly.
2. Examination timings: 8:30 a.m. to 11:30 a.m.
3. There will be mock test series to revise the syllabus for Half Yearly Examination from 6 September 2022 to 16 September 2022. Kindly keep in touch with subject teachers for performance of your child.
4. There will be preparatory holiday on Saturday, 17 September, 2022 for all classes.
5. Minor exams D.S., G.k., Computer and Drawing will be conducted on normal working days i.e. 15 and 16 September 2022.

15-09-22 Thursday	D.S./ Computer	D.S./ Computer	D.S./ Computer	D.S./ Computer	D.S./ Computer	D.S./ Computer	Normal Working Day
16-09-22 Friday	G.K./ Drawing	G.K./ Drawing	G.K./ Drawing	G.K./ Drawing	G.K./ Drawing	G.K./ Drawing	Computer

6. Extra classes for class VIII and IX from 6 September to 13 September 2022. Time table for extra classes will be circulated in class.
7. Preparation of SOF/ Silver Zone Olympiad Exam from 6 September 2022 till the commencement of exam.

Note: Parent are requested to attend PTM on Friday, 16 September, 2022 from 2:15 p.m. to 2:45 p.m.

प्रश्न-1. निम्नलिखित अपठित गद्यांश को ध्यानपूर्वक पढ़कर नीचे दिए गए प्रश्नों के उत्तर लिखिए

हमारा देश भारत प्राचीन काल से ही प्रचुर संसाधनों का देश रहा है। आजादी के बाद भारत की गरीबी और भुखमरी को देखते हुए महात्मा गांधी ने देश को आत्मनिर्भर बनाने का सपना देखा था, पर उस परिस्थिति में सुविधाओं की कमी के कारण ये पूरी तरह से संभव न हो सका, परंतु जहाँ तक हो सका लोगों ने खुद को आत्मनिर्भर बनाया। महामारी की इस संकट में फिर से महात्मा गांधी के आत्मनिर्भरता के उस सपने को याद कराते हुए प्रधानमंत्री की दूरगामी अपील राष्ट्र विदित है। भारत में संसाधनों की कोई कमी नहीं है और अब भारत किसी भी उत्पाद का निर्माण करने में सक्षम है, इसके लिए उसे किसी और से मदद लेने की आवश्यकता नहीं है। आत्मनिर्भर भारत बनने का तात्पर्य है कि हमारे देश को हर क्षेत्र में खुद पर ही निर्भर होना होगा। भारत को देश में ही हर उत्पाद का निर्माण करना होगा। इस अभियान का मुख्य उद्देश्य है कि भारत में उपलब्ध संसाधनों से बने उत्पादों को भारत में ही उपयोग में लाना है। आत्मनिर्भर भारत से अपने यहाँ के उद्योगों में सुधार करना और युवाओं के लिए रोजगार, गरीबों के लिए पर्याप्त भोजन ही इस अभियान का मुख्य उद्देश्य है।

- क) . भारत को आत्मनिर्भर बनाने का सपना किसने देखा था?
ख) गद्यांश का उचित शीर्षक लिखिए
ग) . महात्मा गांधी का देश को आत्मनिर्भर बनाने का सपना क्यों नहीं पूरा हुआ हुआ था?
घ) . भारत में संसाधनों की क्या स्थिति है?
ङ) आत्मनिर्भर भारत बनने का क्या तात्पर्य है?

प्रश्न-2. निम्नलिखित अपठित काव्यांश को पढ़कर नीचे पूछे गए प्रश्नों के उत्तर दीजिए

बहुत दिनों से सोच रहा था,
थोड़ी धरती पाऊँ,
उस धरती में बाग-बगीचा,
जो हो सके उगाऊँ.
खिले फूल-फल चिड़ियाँ बोलें,
प्यारी खुशबू डोले,
ताज़ी हवा जलाशय में,
अपना हर अंग भिगो ले।
हो सकता है पास तुम्हारे अपनी कुछ धरती हो,
फूल-फल लदे अपना उपवन हो,
अपनी परती हो, हो सकता है
छोटी-सी क्यारी हो, महक रही हो, छोटी-सी खेती हो,
जो फसलों से दहक रही हो।
हो सकता है कहीं शांत चौपाए घूम रहे हों,
हो सकता है कहीं सहन में पक्षी झूम रहे हों,
तो विनती है यही, कभी मत बस दुनिया को खोना, पेड़ों को मत कटने देना, मत चिड़ियों को खोना।

- (क) कवि बहुत दिनों से क्या सोच रहा था?
(ख) कवि हमसे क्या विनती कर रहा
(ग) काव्यांश का उपयुक्त शीर्षक लिखिए।
(घ) बाग लगाने पर कवि क्या आशा करता है?
(ङ.) 'शांत' शब्द का विपरीतार्थक लिखिए।

खंड-2(व्याकरण भाग)

प्रश्न-3. (i) निम्नलिखित उपसर्गों से दो- दो शब्द बनाइए-

अभि, बद

(ii) निम्नलिखित शब्दों से प्रत्यय अलग कीजिए-

सैनिक, ऐतिहासिक

प्रश्न-4. निम्न सामासिक पदों का विग्रह करके समास का नाम लिखिए

नीलकमल, भयभीत, प्रतिदिन, हवनसामग्री

प्रश्न-5. नीचे दिए गए वाक्य अर्थ की दृष्टि से किस भेद के अंतर्गत आते हैं

कल कौन आया था?, ईश्वर तुम्हारा भला करे

खंड-3

(पाठ्यपुस्तक और पूरक पाठ्यपुस्तक आधारित प्रश्न

प्रश्न-6.

- (क) उस समय तिब्बत में हथियार का क्रानून न होने के कारणयात्रियों को किस प्रकार का भय बना रहता था?
(ख) कबीर ने ज्ञान के आगमन की तुलना हवा से न करके आँधी से क्यों की?
(ग) खरीद - बिक्री बंद हो चुकने पर भी अचानक पान की बिक्री बंद क्यों हो गई?
(घ) लेखिका की नानी की आज्ञादी के आंदोलन में किस प्रकार की भागीदारी रही?
(ङ) कहानी 'दो बैलों की कथा' के माध्यम से कौन- कौन -से नीति विषयक मूल्य उभरकर सामने आए हैं?

खंड-4

(लेखन भाग)

प्रश्न-7. अपने मित्र अथवा अपनी सखी को अपने जन्मदिन पर आमंत्रित करते हुए पत्र लिखिए।

प्रश्न-8. सुबह सैर करने गई दो महिलाओं के बीच हुई बातचीत को संवाद रूप में लिखिए

प्रश्न-9. अनुच्छेद लिखिए-

प्रातः काल का भ्रमण

संकेत बिंदु- विशेष महत्त्व, सर्वत्र आनंद, जीवन का संचार

English

Q.1 Read the following passage carefully and answer questions that follow:

The centre on Wednesday said that the bird flu outbreak, had so far been reported at 12 epicenters across four states – Kerala, Rajasthan, Madhya Pradesh and Himachal Pradesh- and issued advisories to contain further spread of the infection. Of the 12 epicenters, the bird flu has been reported in crows in Baran, Kota, Jhalawar region of Rajasthan as well as Mandasaur, Indore, Malwa areas of Madhya Pradesh. In Himachal Pradesh, the infection was found in migratory birds in Kangra region and in poultry ducks in Kottayam, Alappuzha (4 epicentres) in Kerala.

Bird flu is a highly contagious viral disease caused by Influenza Type A viruses, which generally affects poultry birds such as chickens and turkeys. There are many strains of the virus; some of them are mild and may merely cause a dip in egg production or other mild symptoms among chickens, while others are severe and lethal. The Union Ministry of Fisheries and Animal Husbandry have asked other states to keep a vigil on any unusual mortality amongst birds.

The Kerala government declared bird flu outbreak as “state disaster” after the Centre notified the outbreak of H5N8 subset of Influenza A in two districts of Kottayam and Alappuzha. Following the announcement by Kerala, neighbouring state Karnataka has put four bordering districts on high alert. After an advisory from the Ministry of Environment, Forests and Climate Change, the state Animal Husbandry department issued the alert for Dakshina Kannada, Udupi, Mysuru, Kodagu districts. The Kodagu district administration put up checkpoints in the border areas of Kutta. Makutta and Karike for screening poultry birds and other products arriving from Kerala and also sanitizing the transport vehicles as aprecautionary measure. Kodagu Deputy Commissioner AnniesKanmani Joy directed officials to sanitise all poultry-carrying vehicles arriving from Kerala before their entry into the district.

The government has also issued an appeal to the public to inform control rooms set up by the animal husbandry department of any dead bird near their houses. The ministry also said that it has set up a "control room" in New Delhi to keep a watch on the situation and to take stock on a daily basis the preventive and control measures undertaken by the state authorities.

Among measures suggested to affected states include: strengthening biosecurity of poultry farms, disinfection of affected areas, proper disposal of dead birds/carcasses, timely collection and submission of samples for confirmation and further surveillance, intensification of surveillance plan as well as the general guidelines for prevention of disease spread from affected birds to poultry and human. States have also been suggested to coordinate with the forest department for reporting any unusual mortality of birds.

On the basis of your reading of the given passage, choose the correct option.

i. Bird flu generally affects –

- a) Chickens
b) Turkeys
c) Cattles
d) Both a) and b)

ii. Which Ministry has asked other states to keep a vigil on any unusual mortality amongst birds?

- a. The Union Ministry of Birds
b. The Union Ministry of Animal Husbandry
c. The Union Ministry of Fisheries and Animal Husbandry

- a) Is
b) Am
iii) Two and two four.
a) Making
b) Made
- c) Are
d) Have
c) Makes
d) Is making

Q6. Answer the following Question –

- i. Draw a character sketch of Iswaran the storyteller.
ii. Why did Einstein write a letter to Frankline Roosavelt?
iii. Why did Aurangzeb ban the playing of the pungis?

Mathematics

Section-1

- Q 1. Write down the heron's formula.
Q 2. Find six rational numbers between 3 and 4.
Q 3. Write the coefficient of x^2 in below given equation.
 $2 - x^2 + x^3$
Q 4. Write down the total surface area of cone.
Q 5. Write down the mean formula.
Q 6. Write the given below equation in two variable.
 $2x = 3$

Section-2

- Q 7. Locate $\sqrt{3}$ on the number line.
Q 8. Find the remainder obtained on dividing $P(x) = x^3 + 1$ by $x+1$
Q 9. Draw the graph of the given equation.
 $3 = 2x + y$
Q 10. A rhombus shaped field has green grass for 18 cows to graze. If each side of the rhombus is 30 m and its longer diagonal is 48 m, how much area of grass field will each cow be getting?
Q 11. 100 surnames were randomly picked up from a local telephone directory and a frequency distribution of the number of letters in the English alphabet in the surnames was found as follows :-

Number of letters	Number of surnames
1 – 4	6
4 – 6	30
6 – 8	44
8 – 12	16
12 – 20	4

Section-3

- Q 12. A godown measures 40 m x 25 m x 15 m. Find the maximum number of wooden crates each measuring 1.5 m x 1.25 m x 0.5 m that can be stored in the godown.
Q 13. Twenty seven solid iron spheres, each of radius r and surface area S are melted to form a sphere with surface area S' . Find the
(i) Radius r' of the new sphere (ii) ratio of S and S'
Q 14. In a mathematics test given to 15 students, the following marks (out of 100) are recorded :
41,39,48,52,46,62,54,40,96,52,98,40,42,52,60
Find the mean, median and mode of this data.

Science

Section A

Very short answer type questions

- (1) Convert 300K in Celsius scale ($^{\circ}\text{C}$).
(2) What is the physical state of water at (a) 250°C (b) 100°C .

- (3) Define a saturated solution.
- (4) Name the technique to separate (a) butter from curd (b) salt from sea water.
- (5) Who discovered cell and how?
- (6) What is the utility of tissues in multicellular organisms?
- (7) What does the odometer of an automobile measure?
- (8) What does the path of an object look like when it is in uniform motion?
- (9) Define inertia.
- (10) What do you mean by free fall?

Section B

Short answer type questions

- (1) A diver is able to cut through water in a swimming pool. Which property of matter does this observation show?
- (2) What type of clothes should we wear in summer?
- (3) Define a colloid and suspension.
- (4) Why is cell called the structural and functional unit of life?
- (5) Give reason: the smell of hot sizzling food reaches you several meters away but to get the smell from cold food, you have to go close.
- (6) A bus decreases its speed from 80 km/hr to 60 km/hr in 5sec. Find the acceleration of the bus.
- (7) Explain why some of the leaves may get detached from a tree if we vigorously shake its branch?
- (8) Define third law of motion with examples.
- (9) State the universal law of gravitation.
- (10) An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.

Section C

Long answer type questions

- (1) How would you confirm that a colourless liquid given to you is pure water?
- (2) How do substances like CO_2 and water move in and out of the cell? Discuss.
- (3) Differentiate between parenchyma and collenchyma.
- (4) Distinguish between speed and velocity.
- (5) Derive Newton's second law of motion.
- (6) What are the differences between mass of an object and its weight.
- (7) A bus starting from rest moves with a uniform acceleration of 0.1m/s^2 for 2 minutes. Find (a) the speed acquired (b) the distance travelled.

Section D

very long answer type questions

- (1) Tabulate the differences in the characteristics of states of matter.
- (2) (i) Differentiate between plant and animals cell.
(ii) Differentiate between prokaryotic and eukaryotic cell.
- (3) Derive all the three equations of motion.

Social Science

Section - A

Answer the following questions in one or two words –

1. Which is the longest river of India.
2. Which river is called Dakshin Ganga?
3. Where is Dal lake located.

4. A narrow cleft through which a stream runs.
5. Who were the Axis Powers?
6. Who was the first President of Weimar Republic?
7. Who was the most important aspect of Nuremberg rally.
8. What was the Diwani?
9. Where were tea plantations introduced in India?
10. What is meant by the word 'Mahal'?

Section-B

11. What were the main features of the Fascist and Nazi movement.
12. Discuss the significant difference between the Himalayan and the Peninsular rivers.
13. Identify Voltaire telling the part played by him in the French Revolution.
14. Name the group of islands lying in the bay of Bengal.
15. Name one of the states which is not a union territory?
16. Can you think of reasons why people liked to have changed in their government.
17. What is the standard unit of measuring land?
18. What is the main activity in the Palampur village?
19. Explain the term 'Third Estate'.
20. Make a Diagram How a river makes a delta and label it.

Computer Application

Section A

Very Short Answer Type Question

- Q.1- What are input devices?
- Q.2- Name three parts in which we can broadly divide a Computer?
- Q.3- Name four basic functions of a Computer?
- Q.4- Draw a block diagram including basic functions of a computer?
- Q.5- What is a Computer Process?
- Q.6- What is Software?
- Q.7- What is a Computer Program?
- Q.8- Write down the different components of CPU?

Section B

Short Answer Type Question

- Q.9- What is Volatile and Non Volatile Memory?
- Q.10- What is Primary and Secondary Memory?
- Q.11- Write down the names of different types of Memory Units?
- Q.12- Name any four types of Softwares?
- Q.13- What is a Computer?

Section C

Long Answer Type Question

- Q.14- What is a Computer? Explain with the help of a block diagram?
- Q.15- What is a computer system? Explain with the help of examples?
- Q.16- Explain CPU with the help of a block diagram?