D A V Public School Sector-VI, Dwarka

> Session 2016-17 CLASS – VIII

# HOLIDAY HOMEWORK



# **ENGLISH**

#### **SECTION-A (READING)**

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

1. "No," said Harris, "if you want rest and change, a sea trip is the best." I objected to the sea trip strongly. A sea trip does you good when it is for a couple of months. But for a week, it is wicked. 2. You start on Monday with the idea that you are going to enjoy yourself. You wave an airy farewell to the boys on shore, light your biggest pipe and show off on the deck as if you are Captain Cook, Sir Francis Drake and Christopher Columbus all rolled into one. On Tuesday, you wish you had not come. On Wednesday, Thursday and Friday, you wish you were dead. On Saturday, you are able to swallow a little tea. You sit up on the deck and answer with a sweet smile when kind-hearted people ask you how you feel now. On Sunday, you begin to walk about again and take solid food. And on Monday morning, as you stand ready with your bag and umbrella in your hand, waiting to step ashore, you begin to thoroughly like it.

1.1 Choose the correct option:

- 1. What, according to Harris, should one do if one wants a break from routine life?
  - a. go trekking

- b. go on a sea trip
- c. go on a road trip

d. just relax and do nothing

- 2. When can one enjoy a sea trip?
  - a. When it is for a week c. When it is for a whole year
- b. When it lasts a few months

d. When it lasts only a couple of days

- 3. How does one feel on the first day of a sea trip?
  - a. Happy and confidentb. A little sick but happyc. Sick but confidentd. Very sick

4. If it is a week's trip, when does one begin to enjoy a sea trip?

a. On the first day	b. On the second day
c. On the fifth day	d. On the last day

5. Choose the most appropriate title for the passage.

a. Sea b. Sick at sea c. Christopher Columbus in the Sea d. Farewell to Sea

6 Find words from the passage which mean the following:

a. Protested (Para 1) b. fully (Para 2)

#### **SECTION-B (WRITING)**

**Q. 2**. Deepak receives a telephone call from his father's office in his absence and has the following conversation with the speaker. Read the conversation given below and write the message in not more than 50 words.

Mr Nair : Hello. Is this 5721625?

Deepak : Yes please, whom do you want to talk to?

Mr Nair : Could I please talk to Mr Mahajan?

Deepak : I'm afraid Daddy is not at home. Do you have any message for him?

Mr Nair : Yes, please tell him that the meeting fixed for tomorrow ie.20th March has been

cancelled. Deepak : Has it been cancelled?

Mr Nair : That's right. Please also tell him that we shall let him know as and when the next date is fixed. Have you got it?

Deepak : Yes, uncle, I've noted it down and shall tell daddy when he comes back.

#### **SECTION-C (GRAMMAR)**

**Q. 3**. Read the passage given below. It has not been edited. There is an error in each line. Replace the incorrect word with the correct one. Write the answers in your answer sheet against the correct blank numbers.

		Incorrect	correct
While climbing up a mountain	eg.	а	the
a groups of young boys saw	(a)		
a bear walking towards him.	(b)		
One of them suggest that they	(c)		
should climbed up a tree. The	(d)		
boys quick followed his	(e)		
instructions. They felt safe as he	(f)		
watched a bear walk past the tree.	(g)		
They climbed down only after			
the bear had disappeared in the wo	ods. (ł	n)	

Q. 4. Rearrange the following words and phrases into meaningful sentences.

(a) of/very fast/life/the pace/these/days/is

(b) life/ and//property/ to/cause/hurricanes/great/ damage/can

(c) an /interesting/brother/written/novel/has/my

(d) scared/bicycle/kamal/riding/is/of/a

Q5 Complete the sentences with the verbs in the passive form using the words given in brackets: (cause /make /show /hold /damage)

- (i) Many accidents \_\_\_\_\_ by dangerous driving.
- (ii) Cheese \_\_\_\_\_ from milk.
- (iii) The roof of the building \_\_\_\_\_\_ in a storm.
- (iv) A cinema hall is a place where films \_\_\_\_\_

## Section D (Literature )

**Q6.** Reference to the Context:

Read the following extract carefully and answer the questions that follow:

- (A) Teach us delight in simple things,
   And mirth that has no bitter springs;
   Forgiveness free of evil done,
   And Love to all men 'neath' the sun!
- (i) What type of delight does the children wish for?
- (ii) Which noble ability is desired by the children?
- (iii) What does the poet mean by all men neath the sun?
- **Q7.** Explain the following:
  - (a) That we may bring, if need arise,
    - No maimed or worthless sacrifice.
  - (b) Mirth that has no bitter springs.
- **Q8.** Every deserving action should be rewarded; likewise every reward should be well deserved. Does this statement always hold true in real life?

# <u>HINDI</u>

<ul> <li>प्रदत्त कार्य को दिए गए रिक्त स्थान में (पृष्ठ पर) ही पूर्ण कीजिए-</li> </ul>
1.मुहावरों के द्वारा वाक्य पूर्ण कीजिए।
(i) रीना की आदत है, वह छोटी-छोटी बातों में।
(ii) मोहन की बुरी आदतों से उनके पूरे कुल को लग गया।
(iii) आजकल की दुनिया में तो सिर्फ़ पैसे वालों को ही समझा जाता है।
(iv) मैं आज तक गीता की हर बात विश्वास करती रही पर आज माँ की बात सुनकर  मेरी।
<ul> <li>२. निम्नलिखित वाक्यों के सामने उनके भेद (सरल,संयुक्त,मिश्रित )का नाम लिखिए-</li> <li>क) परसों दीदी का विवाह है।</li> <li>ख) इतना दहेज दिया कि देखने वालों ने दाँतों तले अँगुली दबा ली।</li> <li>ग) रोहित स्कूल नहीं आया क्योंकि वह बीमार है।</li> <li>घ) यदि तुम बुलाओगे तो हम ज़रूर आएँगे ।</li> <li>ङ) मैंने उसे बहुत समझाया पर वह नहीं समझा।</li> </ul>
३. निम्नलिखित शब्दों की संधि अथवा संधि-विच्छेद कीजिए-
(1) शिव + आलय=
(2) चंद्र + उदय =

(3)इति + आदि	=
(5)राजर्षि	=
(6)भगवद्गीता	=
(7)दिग्दर्शन	
(8)तन्मय	
(9)उन्नति	
10)अनुच्छेद	
४. निम्नलिखि	त शब्दों के पर्यायवाची शब्द लिखिए-
क) दिन	
ख) उपहार	
५ निम्नलिसि (i) चढ़ाई- (ii) सपेरा- (iii) मार्मिक- (iv) बुढ़ापा- (v) अहंकार-	वेत शब्दों में से मूल शब्द और प्रत्यय अलग कीजिए-
6.निम्नलिखित	प्रश्नों के उत्तर दीजिए
(1)सोना कौन है	
(2)जीवनलाल व	ो विदा करने से मना क्यों कर दिया था ?
(3)महाराज दश्	ारथ के चारों बालक किस चीज़ को माँगने की ज़िद करते हैं?

(4)महाराज दशरथ के बालक क्या देखकर डर जाते हैं?

(5)बलराम कौन हैं

(6) सोना को कौन-कौन से नाम दिए गए?

(7) काली सड़कें तारकोल की,अंगारे- सी जली पड़ीं थी।

(i) इस काव्य-पंक्ति में आए अलंकार का नाम लिखिए।

(ii) यह काव्य-पंक्ति किस कविता से ली गई है कविता का तथा कवि का नाम लिखिए।

# <u>MATHS</u>

# <u> Assignment - I</u>

# POLYNOMIALS

- Q1. (a) Is  $3x^0$  is a constant polynomial?
  - (b) What are the polynomials with degrees of 2 and 4 called?
  - (c) What is the degree of polynomial in  $\frac{3}{2}(x-1)$ ?

Q2. Find the quotient and remainder when the first polynomial is divided by the second Polynomial.

(i) (-6x<sup>4</sup>+ 5x<sup>2</sup>+11x+1) by (2x<sup>2</sup>+1)
(ii) (2a<sup>3</sup>+5a-5a<sup>2</sup>-3) by (2a-3)
(iii) (-1+x<sup>4</sup>) by (-1+x)
(iv) (8p<sup>3</sup>-729-108p<sup>2</sup>+486p) by (2p-9)
(v) [4x(2x<sup>3</sup>+3)+5(2x<sup>3</sup>+3)] by (5+4x)

Q3. Using factor method divide:-

(i)  $(y^2+2y-35)$  by (y+7)(ii)  $(x^2-10x+16)$  by (x-2)(iii)  $(x^2-10x+21)$  by (x-7)(iv)  $(6x+x^2-7)$  by (x-1)

Q4. Divide:-

- (i)  $(\sqrt{125}y^2 + \sqrt{25}y^4)$  by  $5y^2$ (ii)  $2\sqrt{2}q^4 + 4\sqrt{2}q^3 + q^2$  by  $(-2\sqrt{2}q^2)$ (iii)  $(9m^5 + 12m^4 - 6m^2)$  by  $(\sqrt{3}m^2)$
- Q5. Using long division method, state whether or not the second polynomial is a factor of the first polynomial.

(i) x<sup>3</sup>-3x<sup>2</sup>+3x-1; -1+x (ii) 6y<sup>5</sup>-28y<sup>3</sup>+3y<sup>2</sup>+30y-9; 2y<sup>2</sup>-6 (iii) p<sup>4</sup>-256; p+4

#### <u>Assignment – II</u>

Understanding Quadrilateral

- Q1. One side of a parallelogram is  $\frac{3}{4}$  times its adjacent side. If the perimeter of the parallelogram is 70 cm. Find the lengths of sides of the parallelogram.
- Q2. In given figure, ABCD is a parallelogram. Find x, y and z, if  $\angle$ BAD = 125<sup>0</sup> and  $\angle$ BCE = 56<sup>0</sup>



Q3. In the given parallelogram PQRS,  $\angle S = (2x+5)^0$  and  $\angle RQT = (3x)^0$ , find the interior angles of the parallelogram PQRS.



- Q4. A pair of adjacent sides of a rectangle are in the ratio 3:4. If its diagonal is 20cm long, find the lengths of the sides and the perimeter of the rectangle.
- Q5. The diagonals of the rhombus are in the ratio 3:4. If its perimeter is 40 cm, find the lengths of the sides and diagonals of the rhombus.
- Q6. ABCD is a quadrilateral in which AB = CD. If AD = BC, show that it is a parallelogram.

Q7. Find the area of the given quadrilateral PQRS when PX = 4 cm, RY = 3 cm, QS = 7cm, RY $\perp$ QS and PX $\perp$ QS.



Q8. In the given figure, ABCD is a rectangle in which DP and BQ are perpendiculars from D and B respectively on the diagonal AC. Show that

С

В



Q9. Two adjacent angles of a parallelogram are in the ratio 1:5. Find all its angles. Q10. The diagonals of the rectangle ABCD intersect at O. If  $\angle$ BOC = 70<sup>0</sup>. Find  $\angle$ ODA and  $\angle$ OCD.

#### **SCIENCE**

# ASSIGNMENT-1 Topic - REPRODUCTION IN ANIMALS

#### A Fill in the blanks :

1. \_\_\_\_\_\_ is essential for the continuation of a species.

2. \_\_\_\_\_\_ reproduction is characterised by the fusion of two cells called gametes.

3. The animals which lay eggs are called \_\_\_\_\_\_ animals.

4. The animals which give birth to young ones are called \_\_\_\_\_

5. Organisms in which both types of gametes are produced by the same individual are called

6. Organisms in which male and female gametes are produced by two different individuals are called

7. The process of transformation of larva or tadpole into an adult through drastic changes is called

8. The type of asexual reproduction in which an individual reproduces by dividing into two individual is called \_\_\_\_\_\_.

#### B. Write one word for following sentences.

- a) Fusion of male gamete and female gamete \_\_\_\_\_\_.
- b) Name of male gamete \_\_\_\_\_.
- c) Name of female gamete \_\_\_\_\_
- d) Fertilisation which takes place inside the female body \_\_\_\_\_\_.
- e) Fertilisation which takes place outside the female body \_\_\_\_\_\_.
- f) Animals which lays eggs \_\_\_\_\_\_.
- g) Animals which give birth to young ones \_\_\_\_\_\_.
- h) Drastic changes which transform larva into adult \_\_\_\_\_\_.
- i) example of unisexual organism\_\_\_\_\_.
- j) example of bisexual organisms \_\_\_\_\_\_.

# C. Short Answer Type Question

- 1. Why is reproduction important?
- 2. How does Hydra reproduce?
- 3. Differentiate between external and internal fertilization?
- 4. How is zygote formed in humans? Where is it formed?
- 5. What is incubation?
- 6. Why is reproduction important?
- 7. What is metamorphosis?
- 8. Name the process taking place here and label the diagram:



# 9. Match the following:

Column 1	Column 2	
1. Egg	1. Uterus	
2. Zygote	2. Ovary	
3. Embryo	3. Oviduct	

10. Draw a labelled diagram of human sperm.

# D. LONG ANSWER TYPE QUESTION

- 1. Why frog lays egg coverless, whereas, Hen lays it with hard cover? Explain.
- 2. Explain the process of sexual reproduction in human beings.
- 3. Explain the life cycle of a frog with diagram.
- 4. Draw a well labeled diagram of male and female reproductive system.

#### Assignment-2

## **TOPIC-** Refraction and Dispersion of light

- 1. Define the term Reflection and Refraction of light.
- 2. Describe two activities to show refraction of light.
- 3. Explain the cause of refraction of light.
- 4. What is the speed of light in vacuum?
- 5. What do you understand by optically rarer and optically denser medium?
- 6. What is the correlation between refractive index and speed of light?
- 7. What are the rules for refraction?
- 8. Why does a stick appears tilted when it is partially dipped in water?
- 9. Define dispersion.
- 10. Explain dispersion of white light through a glass prism?
- 11. How is a rainbow formed?
- 12. What are the different types of spherical lenses?
- 13. Define Principal focus of lens.
- 14. Illustrate the focusing action of convex lens with an activity.
- 15. Draw the ray diagram for a convex lens when the object is placed at 2F. Also explain the nature and size of image formed.
- 16. Which type of lens is used for reading and why?
- 17. What kind of image is formed by concave lens?
- 18. Write a few applications of lenses?
- 19.

# SOCIAL SCIENCE

#### (I)Tick the correct option :

Q-1) Which of the following is not a conventional source of energy?

- a) Coal c) Natural Gas
- b) Petroleum d) Biogas

Q-2) The largest solar plant in India is located in \_\_\_\_\_

- a) Rajasthan c) Bihar
- b) Punjab d) Gujarat

# Q-3) What is the full form of HYV?

- a) High Yield Variety c) Higher Yield Variety
- b) High Yield Vegetation d) Huge Yield Variety

Q-4) Which of the following countries is the leading producer of coffee?

a) Jamaica	c) Kenya
b) Indonesia	d) Brazil

Q-5) In which of the following countries was the first modern mechanized textile industry developed?

a) China	c) India
b) Britain	d) USA
Q-6) Bhilai steel plant is located in	
a) Jharkhand	c) Odisha
b) Chhattisgarh	d) West Bengal
Q-7) Which of the following states has the l	owest density of population?
a) Arunachal Pradesh	c) Mizoram
b) Sikkim	d) Himachal Pradesh
Q-8) People of which age group are defined a) People below 40 years b) People between 15-50 years	c) People between 15-59 years
Q-9) Who called Congress- 'a fort of Brahmi	ns'?
a) Veeresalingam	c) Periyar E.V Ramasamy
b) Jyotiba Phule	d) Swami Dayanand
Q-10) Delhi Development Authority was set	in the year
a) 1937	c) 1955
b) 1941	d) 1960
Q-11) The first meeting of the Indian Nation	nal Congress took place in
a) Calcutta	c) Madras
b) Bombay	d) Nagpur
Q-12) The Moderates and Radicals reunited	in the
a) Nagpur Session, 1925	c) Lucknow Session, 1916
b) Madras Session, 1927	d) Amritsar Session, 1919
Q-13) Who designed the Indian Independer	nce Act of 1947?
a) Lord Mountbatten	c) Rajagopalachari
b) Clement Attlee	d) Jawaharlal Nehru
Q-14) Who was the only president to have b	been re-elected for a second time?
a) Dr. Rajendra Prasad	c) Smt. Pratibha Devi Singh Patil
b) Dr. Shankar Dayal Sharma	d) Shri N. Sanjeeva Reddy
Q-15) Who among the following is not appo	ointed by the President?
a) Attorney General for India	c) Prime Minister of India
b) Governors of States	d) Chief Ministers of States
Q-16) The abbreviation of FIR is	
a) First Information Record	c) First Information Report
b) Fast Information Record	d) False Inspection Report

Q-17) The Supreme Court was established on a) January 1, 1949 c) August 15, 1947 d) January 26, 1958 b) January 26,1950 Q-18) The Prevention of Atrocities Act was passed in the year \_\_\_\_\_ a) 1992 c) 1985 b) 1989 d) 1981 Q-19) The first Governor-General of Independent India was a) Lord Mountbatten c) Jawahar Lal Nehru b) Rajagopalachari d) Lord Curzon Q-20) The largest single minority community in India a) Jains c) Muslims

b) Sikhs

d) Parsis

संस्कृतम्

- 1. उपसर्गं संयोज्य वियोज्य वा लिखतु-
  - क. प्र + वेशः =
  - ख. प्रहारः =
  - ग. वि + नायकः=
  - घ. विशेषः=
  - ङ. दुस्+संगतिः =
  - च. निवासः=
  - छ. प्रति + योगिता=
  - ज. सम्मानम्=
  - झ. परि + हारः =
  - ञ. परिपृच्छति =

# 2. समस्तपदानां नामानि लिखतु-

- क. पत्रपुष्पफलानि=
- ख. सीतारामौ=
- ग. यथासमयम् =
- घ. प्रतिदिनम् =
- ङ. रामलक्ष्मणभरतशत्रुघ्नाः =
- च. यथाविधि =
- छ. आजीवनम् =

3. विकल्पेभ्यः उचितानि शब्दरूपाणि चित्वा रिक्तस्थानानि पूरयतु-

क. सीतायाः..... नाम दशरथः आसीत्। (पितृभ्याम्, पितुः, पितृषु)

ख. बालकस्य ...... तं प्रतिदिनं पाठयति। (माता, मातृषु, मातृणाम्)

ग. ..... सर्वत्र सम्मानितः भवति। (विदुषः, विद्वान्, विद्वांसौ)

घ.राजा...... पुरस्करोति। (विद्वांसम्, विदुषाम्, विद्वत्सु)

4. विकल्पेभ्यः उचितानि धातुरूपाणि चित्वा रिक्तस्थानानि पूरयतु-

क. चेतन-भगतः एकम् उपन्यासं ..... । (अलिखन्, अलिखत्, अलिखताम्)

ख. किम् अहं जलं ..... ? (पिबतु, पिबामः, पिबानि)

ग. भवान् किं कार्यं .....? (करोमि, करोति, कुर्वः)

घ. छत्रपतिः शिवाजी राष्ट्रम् .....। (असेवत, असेवेताम्, असेवन्त)

5.प्रश्ननिर्माणं कृत्वा वाक्यानि पुनः लिखतु-

क. शृगालः भोजनाय भ्रमति स्म। (कः, कौ, के)

ख. शृगालः मूषकान् अनुसरति। (कम्, कान्, केन)

ग. मूषकाः बिलं प्रविशन्ति। (कः, के, काः)

घ. मूषकाः **शृगालस्य** उपरि आक्रमणम् अकुर्वन्। (कस्य, कस्याः, केषाम्)

ङ. मूषकाः **तीक्ष्णदन्तैः** शृगालस्य नाशम् अकुर्वन्। (केन, कैः, काभिः)

4. मञ्जूषातः उचितम् अर्थं चित्वा लिखतु-

1. जीवितम्	(क) धनम्
2. लक्ष्मीः	(ख) दानयुक्ता
3. दानवती	(ग) जीवनम्
4. जन्तवः	(घ) मधुरभाषणेन
5. प्रियवाक्यप्रदानेन	(ङ) प्रसन्नाः भवन्ति
6. तुष्यन्ति	(च) प्राणिनः
7. क्षणशः	(छ) ज्ञानम्
8. विद्याम्	(ज) एकैकेन क्षणेन
9. वित्तम्	(झ) आगच्छति
10.आयाति	(ञ) धनम्

5. A-4-आकारस्य भित्तिपत्रेषु पञ्चविंशति(25)-संस्कृत शब्दानां चित्रपद-कोषं निर्मान्तु अर्थात्चित्राणि निर्मीय/लेपनं कृत्वा तेषां संस्कृत-शब्दान्तत्र लिखन्तु।

# Multidisciplinary Project Topic - Digital India

Subject	Description	Specific Guidelines
English	Compose a poem of 12 to 14 lines on <b>Digital India</b> . You must give an interesting title to your poem.	Assessment Criteria : Content Creativity Expression
Mathematics	<ul> <li>Using internet give the following information:</li> <li>1.Draw a bar graph on how much the Government expected to spend on the nine pillars of Digital India Scheme.</li> <li>2.Which of the nine pillars of Digital India has got the maximum expenditure coverage?</li> <li>3.Which of the nine pillars of Digital India has got the minimum expenditure budget ?</li> <li>4. What is the range of the expenditure?</li> <li>5. Find the average of the expenditure for the nine pillars of Digital India Scheme.</li> </ul>	Government has decided to spend around Rs.1.13 lakh crore on Digital India Scheme.
Science	<ol> <li>Make a ppt (12-15 slides) on EMERGING ROLE OF ICT IN MEDICAL EDUCATION AND HEALTHCARE suggesting some ICT activities in Healthcare.</li> </ol>	HINT: DIGITAL INDIA IN HEALTH CARE SECTOR launched by Shri Narender Modi
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Social Science	Conduct a research and make a pictorial presentation in a scrap file on "DIGITAL INDIA" based on important initiatives taken by Prime Minister Shri Narendra Modi for the creation of digital infrastructure in India.	(i)Cover page- showing tittle ,students information and the academic session.
		(ii)List of the contents with page numbers.
		<ul> <li>(iii)Project overview:</li> <li>Introduction,</li> <li>purpose, aim,</li> <li>methodology and</li> <li>experiences while</li> <li>doing projects.</li> </ul>
		(iv)Acknowledgeme nt (acknowledging the institution, offices, libraries visited and persons who have helped).
		(v)Bibliography should have the title, pages referred, author, publisher and websites.
		(vi)Summary and Conclusions
Hindi	डिजिटल इंडिया : भारत का सुनहरा भविष्य	१०-१५ स्लाइड्स
	विषय पर एक सुंदर पी.पी.टी. बनाइए तथा नीचे दिए गए	
	ई.मेल पर संबंधित अध्यापिका को भेजिए।	
	۶. sharda.sharma@davdwarka.in	
	२. subhadra.bahuguna@davdwarka.in	
Computer Science	Prepare a website of minimum 5 web pages locally linked to each other on the topic 10 most important initiatives that centre and state governments should take to realize the PM's Shri Narendra Modi vision of Digital India.	Upload the folder on Google drive. Share it and get a sharable link and forward it at bhatiareetika1@gm ail.com

#### Guidelines:

- Each group will consist of 7 students. The leader of each group will take the responsibility of planning, coordination and execution of the project.
- Each member of a group has to perform the assigned tasks of one subject of the project.
- Internet, books, magazines and newspapers can be referred to, for information. Their names / addresses of books, journals, newspapers, websites etc., should be clearly mentioned.
- After compilation, the projects of all subjects should be punched in a folder or a file consisting/containing A-4 sheets.
- The first sheet of the folder should be the content page with the name, class /sec and roll nos. of the students of the group.
- The cover page should be creative.
- The project will be assessed for FA4 and must be submitted latest by 16<sup>th</sup> January 2017