

**PLACID VIDYA VIHAR SR. SEC. SCHOOL  
CHETHIPUZHA**

**FORMATIVE ASSESSMENT II - 2016-17**

**CLASS : IX**

**BASIC SCIENCE**

Time : 1 hr.

Max. Marks : 25

**PHYSICS**

Answer the following.

1. State the law which defines force. (1)
2. A pile of a one rupee coins remains intact when the lowest coin in the pile is struck quickly by a knife. Give reason. (2)
3. A car of mass 1000 kg moving with a velocity of 36 km/h hits a wall and comes to rest in 5 s. Find the force exerted by the car on the wall. (2)
4. Derive the mathematical expression for Newton's second law of motion. (3)

**CHEMISTRY**

Answer the following.

1. In the following set of substances, one item does not belong to the set. Select this item and explain why it does not belong to the set.  
Hydrogen, Carbon, Gold, Chlorine (1)
2. Identify the solute and solvent in the following mixtures.
  - a) Soda water
  - b) Tincture of iodine
  - c) Brass
  - d) Air (2)
3. Compare the properties of colloids and suspension on the basis of
 

a) Appearance	b) Filterability
c) Sedimentation	d) Stability

 (2)
4. a) Define solubility. How is it related to temperature?  
 b) 9.72 g potassium chloride dissolves in 30 g of water at 70°C. Calculate the solubility of potassium chloride at that temperature. (3)

**BIOLOGY**

1. Which meristem is responsible for transformation of stem of a plant into trunk, when it grows into a tree? (1)
2. Who gave the term Golgi apparatus? Name one organelle formed by Golgi apparatus. (1)
3. Which cell organelle would you associate with ATP production? How is this organelle able to make its own protein? (2)
4. Differentiate between aerenchyma and chlorenchyma. (2)
5. What is endoplasmic reticulum? Name two types of endoplasmic reticulum. What crucial role does it play in the liver cells of vertebrates? (3)

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**STD : IX**

**ENGLISH**

Time : 1 hr.  
Max. Marks : 25

**SECTION – A (READING)**

1. Read the following passage carefully.

Often students who are very fond of reading books are labelled by their comrades as bookworms. Those things generally come from the mouths of students who consider themselves as being 'gamesters'. Boys who shine in athletics or in the playing of some game – particularly cricket, consider that the games field is a better or nobler arena for their activities and the expenditure of their energies than the classroom or the reading desk. The idea is born out of an inferiority complex inherent in the games – minded students who actually envy their fellows who shine academically. Academic honors have a glamour which is unique.

It is not to be denied that the playing of games is a worthy activity; it is worthy in the sense that the team spirit can be engendered in the individual only if he has learnt to participate in the playing of games. It is also true that the player does much for society and for his country on the playing field. It is true that the feeling of cooperation can be cultivated in a person only through group activity. But studies should not be sacrificed in order that students devote their time only to the playing of games. It is my observation that those boys who become obsessed with the playing, particularly of cricket, begin to ignore their studies and then academic ability suffers, as it must.

- 1.1. On the basis of your reading of the above passage, complete the following statements by choosing the most appropriate option from those given below. (5)
- (a) Bookworms are those students who  
 (i) act like worms (ii) read every time  
 (iii) read much (iv) love reading and read much
- (b) The gamesters feel superior to the bookworms because of  
 (i) hatred (ii) envy  
 (iii) ill - will (iv) anger
- (c) Playing of games teaches us one great thing. It is  
 (i) fellow – feeling (ii) team spirit  
 (iii) mutual love (iv) love for fellowmen
- (d) Playing in groups means  
 (i) team spirit (ii) getting feeling of togetherness  
 (iii) fellow - feeling (iv) feeling of cooperation
- (e) The word 'devote' means  
 (i) take away (ii) give  
 (iii) follow (iv) apply

### SECTION - B (WRITING AND GRAMMAR)

2. Use of mobile phones has increased considerably. Consequently the number of road accidents has increased. Also the performance of students at academics has worsened. Write a letter to the editor of a local daily expressing your concern on this issue. You are Mohan/Meera of B 89, Mall Apartments, Delhi. (5)

3. Fill in the blanks by choosing the most appropriate option from the ones given below the passage. (3)

Coconut water is (a) \_\_\_\_\_ to be the (b) \_\_\_\_\_ liquid in nature. It helps regulate body temperature and keeps (c) \_\_\_\_\_ body cool especially in summers. It has antiviral properties (d) \_\_\_\_\_ are important to prevent (e) \_\_\_\_\_ in the body. It is a good detoxifying agent and (f) \_\_\_\_\_ be taken for diseases which show symptoms like nausea and vomiting.

- (a) (i) say (ii) saying (iii) said (iv) says  
(b) (i) pure (ii) purity (iii) purify (iv) purest  
(c) (i) his (ii) one's (iii) their (iv) my  
(d) (i) which (ii) who (iii) whose (iv) whom  
(e) (i) infect (ii) infections (iii) infectious (iv) infected  
(f) (i) should (ii) have to (iii) need not (iv) shall

4. The following passage has not been edited. There is an error in each line against which a blank is given. Write the incorrect word and the correction in your answer sheet against the correct blank number as given in the example. Remember to underline the word that you have supplied. (3)

We can always be honest	eg. Can	should
in our dealings with other peoples	(a) _____	_____
because honest is the surest	(b) _____	_____
way for success in life.	(c) _____	_____
In taking up an dishonest course,	(d) _____	_____
we may succeeds for the time	(e) _____	_____
being and we shall be out at last.	(f) _____	_____

### SECTION - C (LITERATURE AND LONG – READING TEXT)

5. Read the extract given below and answer the questions that follow. (3)

‘When two fellows stare at each other day in, day out, and one can’t move and the other can’t talk, boredom sets in’.

- (a) Who are the two fellows here?  
(b) What does the phrase ‘one can’t move’ refer to?  
(c) Who couldn’t talk?

6. Answer the following questions in about 30 – 40 words. (any two) (4)

- (a) What guess does the poet have about the subject matter of the solitary reaper’s song?  
(b) In the drama, why does the maid want a day off?  
(c) In the poem ‘Lord Ullin’s Daughter’ the lady faces a dilemma. What is it? What choice does she finally make?

7. Answer any one of the following questions. (2)

Describe the narrator’s visit to a village church.

OR

Describe the effect of the wonderful night on the narrator.

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**FORMATIVE ASSESSMENT - II - 2016-17**

STD : IX

MALAYALAM

Time : 1 hr.  
Max. Marks : 25

**I. ശരിയായ ഉത്തരം തിരഞ്ഞെടുത്തെഴുതുക. (2)**

1. എം.ടി. വാസുദേവൻനായരുടെ ‘രണ്ടാമുഴം’ എന്ന കൃതി ഏത് സാഹിത്യ വിഭാഗത്തിൽപ്പെടുന്നു?  
(ചെറുകഥ, നോവൽ, തിരക്കഥ)
2. “പാരമറിവുള്ളോർ, നല്ലവാക്കോതുനോർ” - ഈ വിശേഷണം സൂചിപ്പിക്കുന്നത് ആരെയാണ്?  
(കുട്ടികൾ, അധ്യാപകർ, മാതാപിതാക്കൾ)
3. “അവരെയൊക്കെ ഈശ്വരൻ വേഗം അങ്ങട്ട് വിളികൂടാ; അതൊരനുഗ്രഹാവു” - ആരെക്കുറിച്ചാണ് ഈ വാക്കുകൾ?  
(അമ്മാളു, മാലതി, ചിന്നമണിയമ്മ)
4. ബാലാമണിയമ്മയുടെ ഏതു കൃതിയിൽ നിന്നും എടുത്തിട്ടുള്ളതാണ് ‘സഹപാഠികൾ’ എന്ന കവിത?  
(അമ്മ, നിവേദ്യം, സോപാനം)

**II. പര്യായപദം എഴുതുക. (2)**

1. പാടം
2. മോര്

**III. വിപരീതപദം എഴുതുക. (1/2)**

1. തലയ്ക്കൽ

**IV. എതിർലിംഗം എഴുതുക. (1/2)**

1. പെരുമാൾ

**V. നാനാർത്ഥം എഴുതുക. (2)**

1. തുടി
2. രസം

**VI. അർത്ഥവ്യത്യാസം എഴുതുക. (1)**

1. സുത - സുധ

**VII. പിരിച്ചെഴുതി സന്ധി നിർണ്ണയിക്കുക. (2)**

1. ചുഴേയണിഞ്ഞ
2. മനുഷ്യാവസ്ഥ

**VIII. വിഗ്രഹിച്ച് സമാസം നിർണ്ണയിക്കുക. (2)**

1. ഭൂതകാലസ്മരണ
2. പഞ്ചാമൃതം

**IX. പ്രയോഗം മാറ്റുക. (1)**

1. അപ്പോൾ വീശിയകാറ്റിൽ തോട്ടത്തിൽ പടർത്തിയ പന്തലിലെ ചില വള്ളികൾ അവരെ ആശ്ലേഷിക്കുന്നു.

**X. അർത്ഥവ്യത്യാസം വരാതെ വിധിവാക്യത്തെ നിഷേധവാക്യമാക്കി മാറ്റുക. (1)**

1. ഞാൻ തനിച്ചല്ല എന്ന ആശ്വാസത്താൽ ദുഃഖിച്ചായ മാഞ്ച് ആ മുഖം ശാന്തമാവുന്നു.

**XI. വാക്യത്തിൽ തെറ്റുണ്ടെങ്കിൽ തിരുത്തുക. (1)**

1. കണ്ണൻ വണങ്ങിനമസ്കരിച്ച് തിരികെമടങ്ങിയെത്തുമ്പോൾ പശ്ചാത്തലത്തിൽ അമ്മാളുവിനെ കാണാം.

**XII. ചുർണികകളാക്കുക.** (1)

1. വീട്ടുപരിസരത്ത് ഏകാകിയായി കണ്ണൻ നിൽക്കുമ്പോൾ അകലെ പറമ്പിന്റെ അതിർത്തിയിൽ ദഹിപ്പിച്ചെടുത്തുനിന്നുള്ള പുക ഉയരുന്നു.

**XIII. ഉത്തരമെഴുതുക.**

1. 'ഒരു ചെറുപുഞ്ചിരി' എന്ന തിരക്കഥയിലെ അമ്മാളു, കുറുപ്പ് എന്നീ കഥാപാത്രങ്ങളുടെ ജീവിതത്തെയും ചുറ്റുപാടുകളെയും കുറിച്ചുള്ള കാഴ്ചപ്പാടുകൾ എം.ടി. വാസുദേവൻനായർ ചിത്രീകരിക്കുന്നതെങ്ങനെ? വിശദീകരിക്കുക. (3)
2. സമൂഹത്തിൽ നിലനിൽക്കുന്ന വേർതിരിവുകൾ 'സഹപാഠികൾ' എന്ന കവിതയുടെ ആശയത്തെ ആധാരമാക്കി വിമർശനാത്മകമായി വിലയിരുത്തുക? (3)
3. ശ്രീരാമകൃഷ്ണ പരമഹംസനും നരേന്ദ്രനും തമ്മിലുള്ള സമാഗമവും; അത് നരേന്ദ്രനിൽ ഉളവാക്കിയ ചിന്തകളും സ്വന്തം വാക്യത്തിൽ വിശദീകരിക്കുക. (3)

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CHETHIPUZHA

## FORMATIVE ASSESSMENT II - 2016-17

MATHEMATICS

STD: IX

Time: 1 hr.  
Max. Marks: 25

### Section A

(2×1=2)

Questions 1-2 carry 1 mark each.

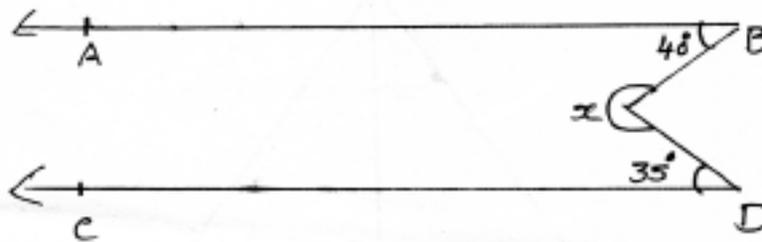
1. If  $(x+2, 4) = (5, y-2)$  find the value of  $x$  and  $y$ .
2. Two complementary angles are in the ratio 2:3 find the angles.

### Section B

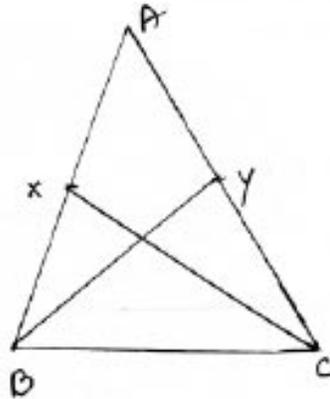
[3×2=6]

Questions 3-5 carry 2 marks each.

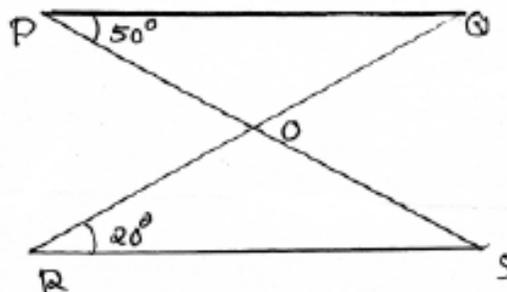
3. In the figure given below if  $AB \parallel CD$  find the value of  $x$ .



4. In a  $\triangle ABC$ ,  $AB=AC$ .  $X$  and  $Y$  are points on  $AB$  and  $AC$  such that  $AX=AY$  prove that  $\triangle ABY \cong \triangle ACX$ .



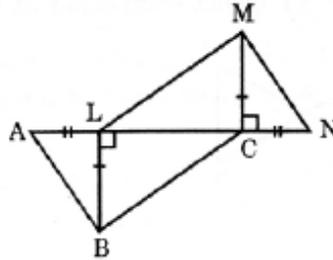
5. In the figure given below if  $PO \parallel RS$  then find  $\angle SOR$ .



**Section C****[3×3=9]**

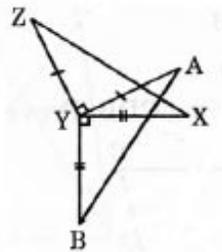
Questions 6-8 carry 3 marks each.

- If the bisector of  $\angle ABC$  and  $\angle ACB$  of a triangle  $ABC$  meet at a point  $O$ , then prove that  $\angle BOC = 90^\circ + \frac{1}{2} \angle A$ .
- Plot the following points, join them in order and identify the figure so obtained. Find its area and perimeter.  
 $A(2, 3)$ ,  $B(2, 1)$ ,  $C(0, 1)$  and  $D(0, 3)$
- In the given fig.  $BL \perp DC$ ,  $MC \perp LN$ ,  $AL = CN$ ,  $BL = CM$ .  
Prove that  $\triangle ABC \cong \triangle NML$ .

**Section D****[2×4=8]**

Questions 9-10 carry 4 marks each.

- State and prove ASA congruence rule?
- In the figure  $AY \perp ZY$  and  $BY \perp XY$  such that  $AY = ZY$  and  $BY = XY$  prove that  $AB = ZX$ .



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**FORMATIVE ASSESSMENT II - 2016-17**

**STD : IX**

**SOCIAL SCIENCE**

Time : 1 hr.  
Max. Marks : 25

***General Instructions.***

- a) *This question paper contains 11 questions.*
- b) *Questions from serial number 1 to 5 should answer in a word or a sentence.*
- c) *Answers of 3 marks questions should not exceed 30 words each.*
- d) *Answer of 5 marks question should not exceed 120 words.*
- e) *Question 11 is a map question of 3 marks. The map provide should be attached with the answer sheet.*

1. Who proposed a division of power within the government between the legislative, the executive and the judiciary? (1)
2. Define the term Constitution. (1)
3. In which continent is Chile located? (1)
4. What is meant by republic? (1)
5. In which year the woman in France won the right to vote? (1)
6. With the help of an example prove that a democratic government is more accountable form of government. (3)
7. Compare the constitution of 1791 and the convention of 1792. (3)
8. Describe the events of 14th July 1789 in the city of Paris. (3)
9. How did the abolition of censorship change lives of people in France after the French Revolution? (3)
10. Explain the events took place in Poland and Chile that lead to the restoration of democracy. (5)
11. Three items A, B and C are shown in the given outline map of France. Identify these items with the help of following information and write their correct names on the lines marked on the map.
  - a) A fortress prison stormed by the people in 1789.
  - b) A port of France related to slave trade.
  - c) The North Western region of France which was not affected by great fear? (3)