KENDRIYA VIDYALAYA NO 4 ONGC VADODARA

LEARNER'S ACHIEVEMENT TEST (LAT) JUNE 2022

Time: 1.30 Hrs   CLASS- X   M.M:40

INSTRUCTIONS:

1. *This paper contains a total of twenty questions with two marks each.*
2. *Learning competencies in a total of five subjects are tested here. Equal weightage is given to all the subjects.*
3. *All the questions are compulsory*.

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

Sharadindu Bandyopadhyay:

Do you know who is Sharadindu Bandyopadhyay? He was a Bengali writer. He is remembered for his most famous creation of a fictional detective, Byomkesh Bakshi.

He was actively involved with Bengali cinema as well as Bollywood. He wrote different forms of prose: novels, short stories, plays and screenplays. Besides, he wrote many songs and poems. However, his forte was short stories and novels. He also wrote historical fiction and supernatural stories.

Sharadindu Bandyopadhyay started writing Byomkesh stories in 1932 at the age of 33. He has written 32 Byomkesh stories. He continued to write till his death in 1970. He portrayed himself as a narrator of his stories named Ajit Bandhopadhyay who is also a companion of Byomkesh Bakshi. In some stories he also investigates in the absence of Byomkesh. These stories are written in traditional Bengali language and have now been translated into other languages.

His stories are very engrossing and consist of a series of events. Byomkesh solves cases from international drug racket to household mysteries and crimes. Byomkesh identifies himself as Satyanweshi meaning 'truth seeker'rather than a detective. Where he stands out from other legendary detectives like Hercule Poirot or Sherlock Holmes is that he is more concerned with truth than with the law.

A) Who among the following is not a detective?
(a) Byomkesh Bakshi
(b) Sharadindu Bandyopadhyay
(c) Hercule Poirot
(d) Sherlock Holmes

B) What is the role of Ajit in Byomkesh stories?

Q.2. Identify the odd one out and write it in the space provided.

(a) presence, distance, existence, being, alive

_____

(b) possible, feasible, probable, unthinkable, obtainable

_____

Q.3 Identify mistakes in the passage and correct them.

Passage	Incorrect	Correct
Books help us knew more about our civilization.(a)	_____	_____
Through books, we come in contact to great scholars, (b)	_____	_____
poets and philosophers. Book never misguide us. (c)	_____	_____
They help us in building their character. (d)	_____	_____

Q.4"Library week will be celebrated in your school on 12th August 2022, you have to present a book review on this occasion" Write the book review on any book of your choice in about 50 words to be presented in the morning assembly.

निम्नलिखित पद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर दीजिये -

कौसिक सुनहु मंद एहू बालकु | कुटिल कालबस निजकुल घालकु||

भानुबंस राकेस कलंकू | निपट निरंकुस अबुधू असंकू ||

कालकवलुहोइहि छनमाही | कहौ पुकारि खोरिमोहि नाहीं ||

तुम्ह हटकहू जौ चहहू उबारा | कहि प्रताप बल रोषु हमारा ||

5. निम्नलिखित पदों के अर्थ लिखिए -

     (क) कौसिक (ख) राकेस (ग) कालकवल (घ) खोरि

6. अनुप्रास अलंकार के दो उदाहरण चुन कर लिखिए

निम्नलिखित पद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर दीजिये-

मनुष्य एक सामाजिक प्राणी है | वह समाज में मित्रता और शत्रुता दोनों स्थितियों का सामना करता है| वह कल्याणकारी और परोपकार की भावना से मित्रता एवं दुर्व्यवहार से शत्रुता को जन्म देता है | मनुष्य को यथाशक्ति सभी की सहायता के लिए प्रयास करना चाहिए | प्रातः प्रतिदिन ईश-वन्दना करके अपने कर्म में संलग्न होना चाहिए | माता-पिता और गुरुजनों का सदैव सम्मान करना चाहिए | अच्छा व्यवहार ही मनुष्य को महान बनाता है |

7. निम्नलिखित पदों का समास विग्रह करके समास का नाम लिखिए-

(क) यथाशक्ति (ख) माता -पिता

8. निम्नलिखित पदों का विलोमपद लिखिए -

(क) सम्मान (ख) दुर्व्यवहार

Q.9 If x + 1 is a factor of the polynomial $2x^2 + kx$, what is the value of k?

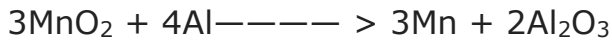Q. 10 For what value of c, the linear equation 2x + cy = 8 has equal values of x and y for its solution?

Q. 11 The angles of a cyclic quadrilateral ABCD are $\angle A – (6x +10)°$, $\angle B = (5x)°$, $\angle C = (x+ y)°$ and $\angle D = (3y – 10)°$. Find x and y and hence the values of the four angles.

Q.12 A sphere and a right circular cylinder of the same radius have equal volumes. By what percentage does the diameter of the cylinder exceed its height?

Q.13 Name the type of chemical reaction represented by the following

    equations:

(i) $CaO + H_2O \longrightarrow Ca(OH)_2$

(ii) $3BaCl_2 + Al_2(SO_4)_3 \longrightarrow 3BaSO_4 + 2AlCl_3$

(iii) $2FeSO_4 + Heat \longrightarrow Fe_2O_3 + SO_2 + SO_3$

(iv) $CuSO_4 + Zn \longrightarrow ZnSO_4 + Cu$

Q.14 Name the reducing agent in the following reaction:

$3MnO_2 + 4Al \longrightarrow 3Mn + 2Al_2O_3$

State which is more reactive, Mn or Al?

Q.15 (a) If the image formed by a lens is diminished in size and erect, for all positions of the object, what type of lens is it?

(b) Name the point on the lens through which a ray of light passes undeviated.

Q.16 What happens to lime water when CO_2 gas is bubbled through it in excess? Write chemical reactions involved.

Q.17 What is majoritaritarianism? Give an example in the context of india?

Q.18 On the outline map of Belgium mark and label his neighbouring countries?

Q.19 Why is decentralization favoured in democracy? State any two reasons?

Q.20 State two agreements through which federations have been formed? Give an example of each.