



HIM ACADEMY PUBLIC SCHOOL

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Affiliated to H.P. Board of School Education, Dharamshala

School Code: 1573

Sample Entrance Test - 2017

Class - 10th

Time- 2:00 hrs.

[Set - I]

M.M.: 80

[Part-1 (English)]

Note: Candidates are required to give their answers in their own words as far as practicable. Marks allotted to each question are indicated against it.

1. Read the passage given below and answer the questions that follow:

To the little girl he was a figure to be feared and avoided. Every morning before going to work he came into her room and gave her a casual kiss, to which she responded with 'Goodbye, Father. And oh, there was a glad sense of relief when she heard the noise of the carriage growing fainter and fainter down the long road! In the evening when he came home she stood near the staircase and heard his loud voice in the hall. Bring my tea into the drawing-room. Hasn't the paper come yet? Mother, go and see if my paper's out there and bring me my slippers.

Answer the following questions:

(a) What is the name of the little girl? Why did her father come into her room?

(b) How did she feel when the noise of the carriage grew fainter and fainter? Why?

(c) What did her father shout about in the evening?

(d) What kind of man does her father appear to be?

(e) Find in the passage words that mean.

(i) Showing little concern or emotion

(ii) Answered

(5)

2. Write a letter to your father asking him to send you some money for buying books.

(5)

3. Write a paragraph in about 80 words on any one of the following:-

(a) An Ideal Student

(b) Importance of Games.

(4)

4. Do as directed:

(a) He plucked the flowers. (Change into Negative sentence)

(b) She is writing a letter. (Change the Voice)

(c) I played hockey. (Change Present Perfect Tense)

(d) He said to me, "Are you fine?" (Change the narration)

(e) She will be going to Delhi. (Change into Negative Sentence)

(f) Shefinished her work. (has/have - fill the gap)

(6)

प्र01- निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखें :-

माता और मातृ-भूमि स्वर्ग से भी बढ़कर होती है। वास्तव में यह कथन सत्य है। माता ने तो केवल हमें जन्म दिया, परंतु मातृ-भूमि की पवित्र रज में लेटकर हम बड़े हुए हैं। हमारे जीवन के लिए उसने अन्न दिया, वस्त्र दिया। उसने एक-से-एक श्रेष्ठ द्रव्यों के द्वारा पोषण किया। मातृभूमि की अनंत कृपा से हमने संसार के समस्त सुखों का उपभोग किया। उस अनंत कृपामयी जन्मभूमि के प्रति हमारे अनंत कर्तव्य हैं, चाहे हम विद्यार्थी हों, गृहस्थी हों अथवा संन्यासी हों।

- क) किसको स्वर्ग से भी बढ़कर बताया गया है? (2)
- ख) मातृ-भूमि हमें क्या-क्या वस्तुएँ प्रदान करती है? (2)
- ग) जन्मभूमि को कैसा बताया गया है? (2)
- घ) "उपभोग" शब्द का अर्थ लिख कर वाक्य में प्रयोग करें। (2)
- ङ) (i) गद्यांश का उचित शीर्षक दीजिए। (1)
- (ii) 'जीवन' शब्द के दो भिन्नार्थक शब्द लिखिए। (1)

प्र02- दिए गए संकेत बिन्दुओं के आधार पर निम्नलिखित विषयों में से किसी एक विषय पर 200 से 250 शब्दों में एक निबन्ध लिखिए-

क) भारतीय संस्कृति -

- 1) भूमिका
- 2) संस्कृति का अर्थ
- 3) प्राचीनतम संस्कृति
- 4) भारतीय संस्कृति की विशेषताएँ
- 5) उपसंहार

ख) विद्यार्थी और अनुशासन -

- 1) भूमिका
- 2) अनुशासन का महत्त्व
- 3) अनुशासन के कारण
- 4) उपसंहार

(10)

[Part-3 (Maths)]

Note : All questions are compulsory.

Q.1 Do as directed

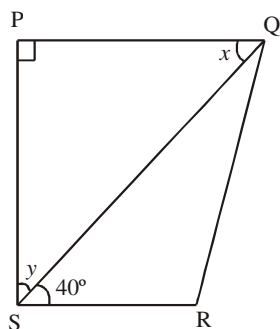
- a) $(a-b)^3 = \underline{\hspace{2cm}}$.
- b) Volume of cone = $\underline{\hspace{2cm}}$.
- c) Find the value of 'K' if $x = 2, y = 1$ is a solution of the equation $2x + 3y = K$.
- d) Find zero of $p(x) = 3x-2$.

(4×1= 4)

Q.2 Solve the following:

- a) Evaluate using suitable identity 104×96
- b) Factorise $6x^2 + 17x + 5$

- c) In quadrilateral PQRS, $PQ \parallel RS$, $\angle QSR = 40^\circ$ find x and y .



- d) The curved surface area of a right circular cylinder of height 14 cm is 88 cm^2 . Find the diameter of the base of the cylinder.
- e) Find the volume of sphere whose radius is 7 cm. (5×2 = 10)

Q.3 Find quotient and remainder when $p(x) = x^3 - 3x^2 + 5x - 3$ is divided by $x^2 - 2$ using long division. (3)

Q.4 Fill in the blanks.

- a) The degree of constant polynomial is _____.
- b) The line segment joining the mid-points of two sides of a triangle is _____ to the third side.
- c) The graph of equation $x = a$ is a straight line parallel to _____ axis. (3×1=3)

[Part-4 (Science)]

1. What is free fall? (1)
2. What is the formula of Aluminum chloride? (1)
3. State law of conservation of energy. (1)
4. What is the kinetic energy of an object? (1)
5. Differentiate between speed and velocity. (2)
6. What is soil erosion? What are the two method of preventing or reducing soil erosion ?
7. Why are the ceilings of concert halls curved? (2)
8. Define:
 - (a) Diffusion
 - (b) Osmosis (2)
9. (a) Draw a well labelled diagram of plant cell.
 (b) Which tissue is responsible for movement of our body? (2×1=2)
10. (a) Why is it difficult to hold a school bag having a strap made of a thin and strong string ?
 (b) An automobile vehicle has a mass of 1500 kg. What must be the force between the vehicle and road if the vehicle is to be stopped with a negative acceleration of 1.7 ms^{-2} .
11. (a) Differentiate between gymnosperms and angiosperms.
 (b) Convert 12 g of oxygen gas into mole. (2×1.5=3)