



Kāsiga School

Sample Question Paper

English

Hindi

Math

Gen. Science

Time: 2 Hrs

Total: 100 marks

Name:

Roll No.:

ENGLISH

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

1. When I learned that my 71 year old mother was playing scrabble against herself, I knew I had to do something. “Who’s playing?” I asked one day when I saw a half – finished game on the table. “My right hand versus my left.” “Excuse me?” I said. “Well your father doesn’t play and I want to keep my mind sharp.” An admirable pursuit but I questioned whether my mother’s solitary version of Scrabble would achieve that goal. My husband suggested we give her a computer to play against. I wasn’t sure my mother was ready for a cyber-Scrabble. It had taken 15 years to persuade her to buy a microwave. Nevertheless, we packed our old PC, complete with Scrabble and word processing programmes and delivered it to my parents’ home. Thus, began my mother’s adventure in the worlds of computers.
2. It also marked the beginning of an unusual teaching assignment for me. I’ve taught children and adults of all ages but never thought I would be teaching my mother to do anything. Despite the look of horror on her face when she first saw our gift, my mother was eager to get started. She sat mesmerized as the screen lit up and the various icons presented themselves. Slowly but surely, my mother caught on, making notes in a little spiral book. I wondered how she’d fare without me. Thereafter, she only spoke on her game on the computer to me. She even forgot to ask her stock question, “What did you have for supper?” It was no longer on the agenda. Instead she talked about RAM, ROM and the CPU- terms spilled effortlessly from her mouth. My mother had acquired a new mother tongue.
3. My mother isn’t the only one experiencing a personal growth spurt. Thanks to the computer, my father has finally overcome his phone allergy. For as long as I can remember, any time I called, my mother would answer. Then, after a couple of months ago, I heard dad’s gruff voice on the phone. “Why didn’t mum answer?” “She’s on the computer.” My father and I have had more conversations in the last two months than we’ve had in the previous 20 years. After a lifetime of being her child, I was finally the one with knowledge to share with my mum. But even now, I realize that she continues to teach me. I am learning that no matter how old you are a willing spirit is capable of anything.

Answer the following questions:

(8)

1. What do we know about Mother as an individual when she starts playing Scrabble on her own?
2. What do we get to know about the son-in-law from the passage?
3. Mother was against the use of modern technology. Do you agree / disagree? Give reasons.
4. Who were the learners in the passage and what did they learn?

Q2. Fill in the blanks with the most appropriate answer:

(4)

Then (i) _____ morning in Paris (ii) _____ 1891, Alfred Nobel opened (iii) _____ papers and (iv) _____ his utter astonishment read in the headlines (v) _____ news of (vi) _____ own death (vii) _____ bitter comments of the entire French Press about his life's work. One paper called (viii) _____ the "evil genius".

- | | | | | |
|--------|----------|----------|------------|----------|
| (i) | (a) a | (b) any | (c) one | (d) many |
| (ii) | (a) at | (b) in | (c) during | (d) on |
| (iii) | (a) any | (b) some | (c) the | (d) that |
| (iv) | (a) in | (b) of | (c) to | (d) at |
| (v) | (a) a | (b) the | (c) an | (d) in |
| (vi) | (a) his | (b) the | (c) one | (d) him |
| (vii) | (a) with | (b) what | (c) that | (d) whom |
| (viii) | (a) him | (b) were | (c) is | (d) was |

Q3. Complete the dialogue by choosing the correct option:

(2)

Interviewer: When did you graduate and in what subjects?

Suresh: I graduated in 1994, Sir. My subjects were Economics, Accountancy, Mathematics and Personnel Management. Interviewer: Oh!, (a) _____ since then?

Suresh: No Sir, started working in 1997, after I'd finished my MBA.

Interviewer: Why do you wish to leave your present job?

Suresh: (b) _____ I wish to improve my prospects and your firm has a good reputation and is progressive.

Interviewer: (c) _____ transferred from one place to another?

Suresh: Yes, I know but since this is a multinational firm; I suppose that it is quite fine.

Interviewer: (d) _____ apart from English and Hindi?

Suresh: I am fluent in French.

Interviewer: Thank you. Good bye.

- | | |
|--|---------------------------------------|
| (a) (i) Are you working | (ii) Have you worked |
| (iii) Have you been working | (iv) Had you been working |
| (b) (i) I will quit if | (ii) I have to quit because |
| (iii) I shall be quitting it unless | (iv) I am quitting it because |
| (c) (i) You should be aware that you will be | (ii) Are you aware that you will be |
| (iii) Have you been aware that you will be | (iv) Were you aware that you can be |
| (d) (i) will you speak any other language | (ii) can you speak any other language |
| (iii) Are you speaking any other language | (iv) Don't you speak all languages |

Q 4. Write a story on the basis of the following opening clues:

(7)

You have won a sports championship. The press is conducting your interview.

Q 5. Write a notice on the basis of the information given below:

(4)

You are David/ Preety, President of the Interact Club of your school. You wish to organize a snack bar on the Sports day of your school. The proceeds of the sale will go to charity. Write a notice calling for a meeting with the students of class X to discuss the same.

HINDI

1. निम्नलिखित गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर विकल्पों में से चुनिए:- 5

जहाँ आदमी को अपनी जिंदगी मज़ेदार बनाने के लिए खाने-पीने, चलने फिरने आदि की जरूरत है, वहाँ बातचीत की भी अत्यंत आवश्यकता है। मन में जो कुछ मवाद और धुआँ जमा रहता है, वह सब बातचीत के ज़रिए भाप बनकर बाहर निकल आता है। चित्त हल्का और स्वच्छ हो परम आनंद में मग्न हो जाता है। बातचीत का भी एक खास तरह का मज़ा होता है। जिनको बात करने की लत पड़ जाती है, वे इसके पीछे खाना-पीना तक छोड़ देते हैं, रॉबिन्सन क्रूसो का किस्सा बहुधा लोगों ने पढ़ा होगा, जिसे सोलह वर्ष तक मनुष्य का मुख देखने को नहीं मिला। वह कुत्ता बिल्ली आदि जानवरों के बीच रहा। सोलह वर्ष के उपरांत फ़ाइडे के मुख से एक बात सुनी, यद्यपि उसने अपनी जंगली बोली में कहा था। उस समय रॉबिन्सन को ऐसा आनंद हुआ, मानो उसने नए सिरे से आदमी का चोला पाया हो। इससे सिद्ध होता है, मनुष्य की वाक्शक्ति में कहाँ तक लुभा देने की ताकत है। जिनसे केवल पत्र व्यवहार है, कभी एक बार भी साक्षात्कार नहीं हुआ, उन्हें अपने प्रेमी से बात करने की कितनी लालसा रहती है। अपना आभ्यांतरिक भाव दूसरे को प्रकट करना और उसका आशय ग्रहण कर लेना, केवल शब्दों के द्वारा ही हो सकता है।

बेन जॉनसन का यह कहना कि ' बोलने से ही मनुष्य के रूप का साक्षात्कार होता है' बहुत ही उचित प्रतीत होता है। इस बातचीत की सीमा दो से लेकर वहाँ तक हो सकती है— जितनी जमात, मीटिंग या सभा में होती है। एडिसन का मत है ' असल बातचीत सिर्फ दो में ही हो सकती है' जिसका तात्पर्य यह हुआ कि जब दो आदमी होते हैं, तभी अपना दिल दूसरे के सामने खोलते हैं। जब तीन हुए तब समझो, वह दो की बात कोसों दूर गई।

प्रश्न [i]— बातचीत से क्या लाभ है?

क) समस्याओं का हल होता है।

ख) मन का तनाव भाप बनकर बाहर निकलता है।

ग) मित्रता की भावना पैदा होती है।

घ) अपने गुण प्रदर्शित करने का मौका मिलता है।

उत्तर

प्रश्न [ii] रॉबिन्सन क्रूसो को आनंद की प्राप्ति कब हुई ?

क) जब फ़ाइडे से मुलाकात हुई ।

ख) जब मानव का चोला प्राप्त हुआ ।

ग) जब अपनी जंगली बोली में पहला शब्द बोला। घ) जब जंगलों में अकेला रहने को मिला ।

उत्तर

प्रश्न [iii] मनुष्य के रूप का साक्षात्कार कैसे होता है?

क) लिखन से । ख) बोलने से ।

ग) उसके वस्त्रों से । घ) उसकी पठन रूचि से ।

उत्तर

प्रश्न [iv]— एडिसन के अनुसार असल बातचीत कितने लोगों में हो सकती है?

क) दो में । ख) तीन में ।

ग) जितनों की मीटिंग या जमात हो । घ) इनमें से कोई नहीं ।

उत्तर

प्रश्न [v] जिसको बातचीत की लत पड़ जाती, वह क्या करता है?

क) वह अपनी हानि करता है । ख) काम पर जाना भूल जाता है ।

ग) खाना-पीना तक छोड़ देता है । घ) इनमें से कुछ भी नहीं करता है ।

उत्तर

2. क्रियाओं को रेखांकित करके वाक्य के सामने सकर्मक अथवा अकर्मक लिखिए— 3

क) वर्तिका नहीं पढ़ती ।.....

ख) भारती टेलीविजन देखती है ।.....

ग) मधूर साइकिल चलाता है ।.....

3. वाच्य पहचान कर उनका नाम लिखिए— 2

क) नयना से शरबत पिया जाता है ।.....

ख) राम के द्वारा हॉकी खेली गई ।.....

4. (i) शब्दों में आए उपसर्ग उनके सामने लिखिए— 2

क) नासमझ घ) सकुशल

ख) भरपेट ड.) कुमार्ग

.(ii). मूलशब्दों के साथ प्रत्यय जोड़कर शब्द बनाइए 2

क)भारत + ईय.....घ)घबराना+आहट.....

ख) सब्जी+वाली ड.) मनुष्य+ता

5.रेखांकित वाक्यांशों के लिए एक शब्द लिखिए – 2

क) सुनंदा कम खर्च करने वाली युवती है।.....

ख) वह जानने की इच्छा रखने वाला छात्र है।.....

6.अशुद्ध वाक्यों को शुद्ध करके पुनः लिखिए– 2

क) मुझे किताब पढ़ना है।.....

ख) डॉक्टर साहब आपको बुलाए है।.....

7.उचित मुहावरों द्वारा वाक्य पूर्ति कीजिए– 2

क) गरम समोसे देखकर मुँह में आ गया।

ख) विदुर घबराकर बोल रहा है,दाल में अवश्य है।

8.आपको सब्जियाँ खरीदनी है। मोल-भाव करतु हुए सब्जीवाले के साथ संभावित बातचीत को एक संवाद के रूप में लिखिए। (लगभग 50 शब्दों में) 5

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MATHEMATICS

1. Do all the parts:

(1 × 5 = 5)

- Express $\frac{-28}{84}$ as a rational number with denominator 4.
- What should be subtracted from $\frac{7}{-8}$ to get $\frac{-13}{12}$
- Simplify: $\sqrt{\frac{5^2}{9}}$
- Simplify: $(p + 5)^2$
- Factorize: $ax^2 + by^2 + bx^2 + ay^2$.

2. Do all the parts:

(2 × 5 = 10)

- If 14% of certain number is 63 find the number.
- Harsh takes 150 steps in walking a distance of 125 metres. What distance will he cover in 360 steps?
- The total surface area of a cube is 54 cm^2 . What is the length of its side?
- A die is rolled once. What is the probability of rolling (a) 3, (b) 7?
- Solve $\frac{2m}{3} + \frac{3m}{4} = 17$.

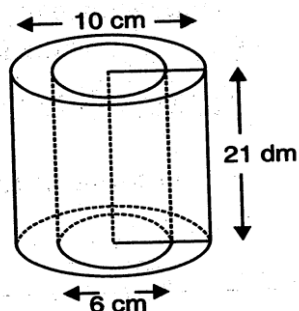
3. Find the perimeter of a square whose area is 6889 cm^2 . (2)

4. Find the value of

$$(12^2 - 5^3) \times \frac{(-1)^{20}}{19}. \quad (2)$$

5. Factorize $4x^2 + 4x + 1$. (3)

6. Find the volume of the following solid (3)



SCIENCE

Section-A

Physics

Q1. A girl of mass 40 kg wears heels with an area of 1 cm^2 in contact with ground; pressure on ground is (take earth's gravitational field strength) in pascals is;

- a. 4×10^{-5}
- b. 4×10^4
- c. 4×10^5
- d. 40×10^5

Q2. The majority of asteroids are found between the orbits of

- a. Mars and Jupiter
- b. Earth and Mars
- c. Jupiter and Saturn
- d. Saturn and Uranus

Q3. SI unit of pressure is

- a. Ohms
- b. Pascal
- c. Joules
- d. Watts

Q4. Angle between incident ray and normal ray is called angle of

- a. reflection
- b. refraction
- c. transmission
- d. incident

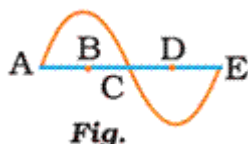
Q5. In SONAR, we use

- a. ultrasonic waves
- b. infrasonic waves
- c. radio waves
- d. audible sound waves

Q6. The different group of stars is known as

- a. Constellations
- b. Celestial bodies
- c. Asteroids
- d. Comet

Q7. In the curve (Figure) half the wavelength is



- a. A B
- b. B D
- c. D E
- d. A E

Q8. The force of friction acts in a direction _____ to the direction of motion of object.

- a. Same
- b. Opposite
- c. Perpendicular
- d. Downwards

Q9. Which scale is used to measure the magnitude of earthquake?

- a. Celsius
- b. Kelvin
- c. Richter
- d. Pascal

Section-B Chemistry

Q10. What is the other name of quick lime?

- a. Calcium hydroxide
- b. Calcium oxide
- c. Carbon dioxide
- d. Sodium oxide

Q11. The metal reacts readily with cold water is _____.

- a. Au
- b. Ag
- c. Na
- d. Mg

Q12. Which of the following metals does not displace H_2 gas from dilute HCl or dilute H_2SO_4 ?

- a. Mg
- b. Cu
- c. Zn
- d. Al

Q13. Which gas is obtained during the processing of coal?

- a. Carbon dioxide
- b. Coal gas
- c. Carbon monoxide
- d. Sulphur dioxide

14. Petrol and diesel can be obtained from

- a. Coal tar
- b. Coal
- c. Petroleum
- d. Coal gas

Q15. Petroleum is formed from

- a. Domestic animals
- b. Organisms in sea
- c. Wild animals
- d. Insects

Q16. **Mass number of an atom is**

- a. no. of protons b. no. of neutrons c. A and B both d. no. of electrons

Q17. **What happens when carbon dioxide is passed in lime water?**

- a. Lime water turns milky because of formation of calcium carbonate
b. Lime water turns milky because of formation of water
c. Lime water turns red because of formation permanganate
d. Lime water turns red because of formation of copper sulphate

Section-C

Biology

Q18. **The spreading of seeds away from the parent plant is called**

- a. Fertilization
b. Dispersal
c. Germination
d. Pollination

Q19. **Photosynthesis cannot happen without the presence of**

- a. Nitrogen di oxide
b. Carbon mono oxide
c. Carbon di oxide
d. Sulphur di oxide

Q20. **Predators of the sea have which of the following adaptations?**

- a. Sharp claws
b. Hollow bones
c. Streamlined bodies
d. Strong molar teeth

Q21. **The process of photosynthesis requires which of the following reactants?**

- a. Water and oxygen
b. Carbon dioxide and water
c. Carbohydrate and water
d. Carbohydrate and oxygen

Q22. **The dormant plant inside the seed is called an**

- a. Embryo
b. Cotyledon
c. Mini Plant
d. Bonsai

Q23. **The best way to study the behavior of a tiger for two years is**

- a. Manual tracking
b. Satellite Tracking Collar
c. Automatic Cameras
d. None of the options given in a, b or c.

Q24. Which among the following are classified as Primary Consumers?

- a. Deer
- b. Lion
- c. Mango Tree
- d. Bacteria

Q25. Trophic Level is defined as

- a. The position of an organism in the food chain
- b. The amount of Carbon dioxide in the atmosphere
- c. The amount of Ozone in the atmosphere
- d. The level of salt in the sea.