

VIDYA DEVI JINDAL SCHOOL, HISAR
Aptitude Assessment For Admission (2025-26)
SAMPLE PAPER

Class: IX



Name of the Student: _____

Father's Name: _____

Mother's Name: _____

Registration No. : _____

Observer's Signature _____

Subject: English

Time Allowed: 30 minutes

Maximum Marks: 20

General Instructions:

1. The question paper contains three parts-Reading, Grammar and Writing.
 2. Attempt questions based on specific instructions for each part. Write the correct question number on your answer sheet to indicate the option/s being attempted.
 3. 15-minute prior reading time allotted for question paper reading.
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1. Read the text carefully and answer the questions that follow.

7 MARKS

1. What is Discipline? Is it absolute freedom to do what a person wants? Is freedom regardless of consequences? Does it mean corrective action after a problem occurs or a wrong is done? Is it imposition? Is it abuse? Does it take away freedom?

2. The answer is none of the above. Discipline does not mean that a person takes a belt and beats up kids. That is madness. Discipline is loving firmness. It is direction. It is prevention before a problem arises. It is harnessing and channelising energy for great performance. Discipline is not something you do to but you do for those you care about.

3. Discipline is an act of love. Sometimes you have to be unkind to be kind: Not all medicine is sweet, not all surgery is painless, but we have to take it. We need to learn from nature. We are all familiar with that big animal, the giraffe. A mama giraffe gives birth to a baby giraffe, standing. All of a sudden, the baby falls on a hard surface from the cushion of Mama's womb and sits on the ground. The first thing Mama does is to get behind the baby and give him a hard kick. The baby gets up, but his legs are weak and wobbly and the baby falls down. Mama goes behind again and gives him one more kick. The baby gets up but sits down again. Mama keeps kicking till the baby gets on its feet and starts moving. Why? Because Mama knows that the only chance of survival for the baby in the jungle is to get on its feet. Otherwise, it will be eaten up by wildcats and become dead meat.

4. Children brought up in a loving, disciplined environment end up respecting their parents more and become law-abiding citizens. The reverse is just as true. Good parents are not afraid of momentary dislikes by children to enforce the subject. Allowing a child to eat a box of chocolate could lead to sickness. At the same time, the discipline of eating one or two pieces a day can be an enjoyable experience for a longer time. Our instinct makes us do whatever we want regardless of

the consequences. Freedom is not procured by a full enjoyment of what is desired but controlling the desire.

- i. Why does the writer equate eating and enjoying chocolates with inculcating discipline?
 - a. Too many chocolates can make a child sick.
 - b. Eating one or two pieces a day will make the box last longer.
 - c. It is all about restraining one's desire.
 - d. We all love chocolates excessively.
- ii. The passage includes some words that are opposites of each other. From the sets 1-5 below, identify two sets of antonyms.
 1. weak and wobbly
 2. harnessing and channelising
 3. hard and cushioned
 4. loving and disciplined
 5. discipline and firmness

a. 5 and 4 b. 3 and 2 c. 1 and 2 d. 3 and 4
- iii. Complete the sentence appropriately
The author's use of the following example: 'If a student practises and revises regularly, he will not get poor grades' for justification in paragraph 2 is done to reinforce that _____.
- iv. The writer asserts in Paragraph 3 that discipline can be learned from nature and cites the example of tough behaviour exhibited by mama giraffe.
State one point the author puts forward in defence of mama giraffe.
- v. The writer says, "Discipline is love." Which of the following traits go against the conventional understanding of discipline and do not match the interpretation of the author?
 1. corrective action
 2. imposition of rules
 3. conditional freedom
 4. abuse
 5. absolute freedom
 6. loving firmness

a. 1 and 5 b. 3 and 6 c. 2 and 4 d. 1 and 6
- vi. Identify the act that cannot substantiate that 'Discipline is not something you do to but you do for those you care about.'
 - a. Discipline does not mean that a person takes a belt and beats up kids.
 - b. Children brought up in a loving, disciplined environment end up respecting their parents more.
 - c. Mama keeps kicking till the baby gets on its feet and starts moving.
 - d. Good parents are not afraid of momentary dislikes by children to enforce the subject.
- vii. Give an appropriate title to the passage.

2. Attempt the following tasks, as directed.

i. Fill in the blanks by using the correct word given in the bracket.

8x 0.5= 4

- a. He is shivering because he _____ (has bathed, is bathing, has been bathing) for an hour.
- b. I _____(bought, has bought, have bought) a car last month.
- c. _____ (A, An) apocalypse is an event that results in mass destruction and change.

- d. There are _____ (much, several) psychological benefits associated with music.
- e. Neither of these computers _____ (work, works) properly.
- f. The news _____ (has/ have) spread like wild fire.
- g. Anyone _____ (may, might, can) make mistakes.
- h. We _____ (can, ought to, must) love our neighbours.

ii. Write in Reported Speech:

1

Rahul said, "I am too tired to go any further."

iii. Rearrange the following words /phrases to form meaningful sentences:

3x1=3

- a. blood/before/the doctor/all/screens/donors/donation
- b. does/donating/not/weakness or/cause/discomfort/blood
- c. all the blood/camps/sterilised/are/used/in/instruments

3. Expand the following outline into a complete story. Give appropriate heading and moral of the story.

5

Going to Mumbai by train to attend the marriage of a friend got stuck in a traffic jam
 reached the railway station late boarded a wrong train realised after two hours
 now you

SUBJECT- MATHEMATICS

Time Allowed :30 Minutes

Maximum Marks: 20

General Instructions:

- All the questions are compulsory.
- Each question carries 2 marks.

- 1) Verify the property $x \times (y + z) = x \times y + x \times z$ of rational number where $x=-15,y=21$ and $z=-31$. (2)
- 2) The sides AB and CD of a quadrilateral ABCD are extended to points P and Q respectively. Is $\angle ADQ + \angle CBP = \angle A + \angle C$? Give reason. (2)

- 3) Find the least number which must be subtracted from 4000 so as to get a perfect square. Also find the square root of the perfect square so obtained. (2)
- 4) Find the cube root of 91125 by prime factorisation method. (2)
- 5) A scooter was bought at ₹42,000. Its value depreciated at the rate of 8% per annum. Find its value after one year. (2)
- 6) What must be added to $2m^2 - 3mn + 3n^2$ to get $5m^2 + 2mn + 7n^2$? (2)
- 7) From a pipe of inner radius 0.75 cm, water flows at the rate of 7 m per second. Find the volume in litres of water delivered by the pipe in 1 h. (2)
- 8) Evaluate : Simplify $1800 \div 10 \{(12 - 6) + (24 - 12)\}$. (2)
- 9) Divide: $24(x^2yz + xy^2z + xyz^2)$ by $8xyz$. (2)
- 10) Check whether 16, 63 and 65 makes a Pythagorian triplet or not? (2)

SUBJECT: SCIENCE

Time Allowed :30 Minutes

Maximum Marks: 20

General Instructions:

- i) This question paper consists of 14 questions.
ii) All questions are compulsory.
iii) Marks are indicated against each question.

Answer the following questions :

1. Which of the following reproduces only inside a host cell ? [1]
- Bacteria
 - Virus
 - Amoeba
 - Fungus
2. Read the statements given below. [1]
- Seeds require moisture for germination.
 - Plants can absorb nutrients mostly in dissolved form.
 - Irrigation protects crops from both frost and hot air currents.
 - Irrigation improves soil humus content.
- Choose combination of statements which indicate need to irrigate crops.
- (i) and (ii)
 - (i), (ii) and (iii)
 - (i), (ii), (iii) and (iv)

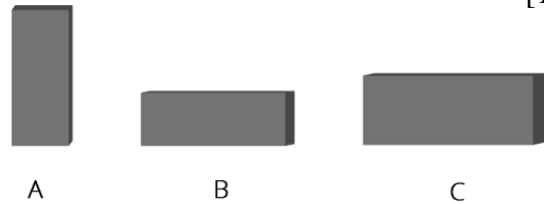
d. (i) and (iii)

3. Choose the incorrect statement from the following. A good fuel is one which _____. [1]

- a. is readily available.
- b. produces a large amount of heat.
- c. leaves behind many undesirable substances.
- d. burns easily in the air at a moderate rate.

4. A brick is kept in three different ways on a table as shown in figure. The pressure exerted by the brick on the table will be: [1]

- a. maximum in position A
- b. maximum in position C
- c. maximum in position B
- d. equal in all cases



5. The loudness of sound is determined by the _____. [1]

- a. amplitude of vibration
- b. the ratio of amplitude and frequency of vibration
- c. frequency of vibration
- d. product of amplitude and frequency of vibration

6. Which of the following metals is used in electroplating to make objects appear shining? [1]

- a. Iron
- b. Copper
- c. Chromium
- d. Aluminium

7. Name the petroleum product used for surfacing of roads. [1]

8. The lowest temperature at which a substance catches fire is called its _____ temperature. [1]

9. In the list of animals given below, _____ is the odd one out. Give reason. [1]

Human being, cow, dog, hen.

10. _____ is a nitrogen-fixing micro-organism present in the root nodules of legumes. [1]

11. a. The sound from a mosquito is produced when it vibrates its wings at an average rate of 500 vibrations per second. What is the time period of the vibration?

b. The unit of frequency is _____. [2]

12. Give two examples each to show that friction is both a friend and a foe. [2]

13. a. What are vibrating parts of flute and tabla?

b. Which of the two a drum or a whistle will produce sound with higher pitch and why? [3]

14. **Read the following and answer the questions that follow.**

[3]

The **endocrine system** is made up of **glands** that make hormones. The endocrine system influences almost every cell, organ, and function of our bodies. **Hormones** have specific functions such as regulating growth, metabolism, temperature and reproductive development. Like the nervous system, the endocrine system acts as a signalling pathway, although hormones are slower acting than nerve impulses. Endocrine signals can last from a few hours to a few weeks.

- i) Which gland controls the function of all the endocrine glands?
a. Testes b. Thyroid c. Pituitary d. Pancreas
- ii) Metamorphosis in frog is controlled by _____ hormone.
- iii) Name the site which responds to a hormone.
- iv) The endocrine glands are also called as ductless glands.(True/False)
- v) What is the function of Insulin?

Subject: SOCIAL SCIENCE

Time: 30 minutes

Maximum Marks: 20

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- 1. What is the status of U.S legislature in the matters of the religion? 1
(a) Prohibit making new gender law
(b) Prohibit making new reservation law
(c) Prohibit making new religion law
(d) None of these
 - 2. Who is the chairman of the Rajya Sabha ? 1
(a)Vice President (b) Prime Minister
(c) President (d) Senior most member of Rajya Sabha
 - 3. Study the picture of USA and tell how the following facilities are helpful for the farmers of USA is earning more profit? 1



4. What does the given sign mean ?

1



5. Explain Universal Adult Franchise.

2

6. Why were the ryots reluctant to grow Indigo?

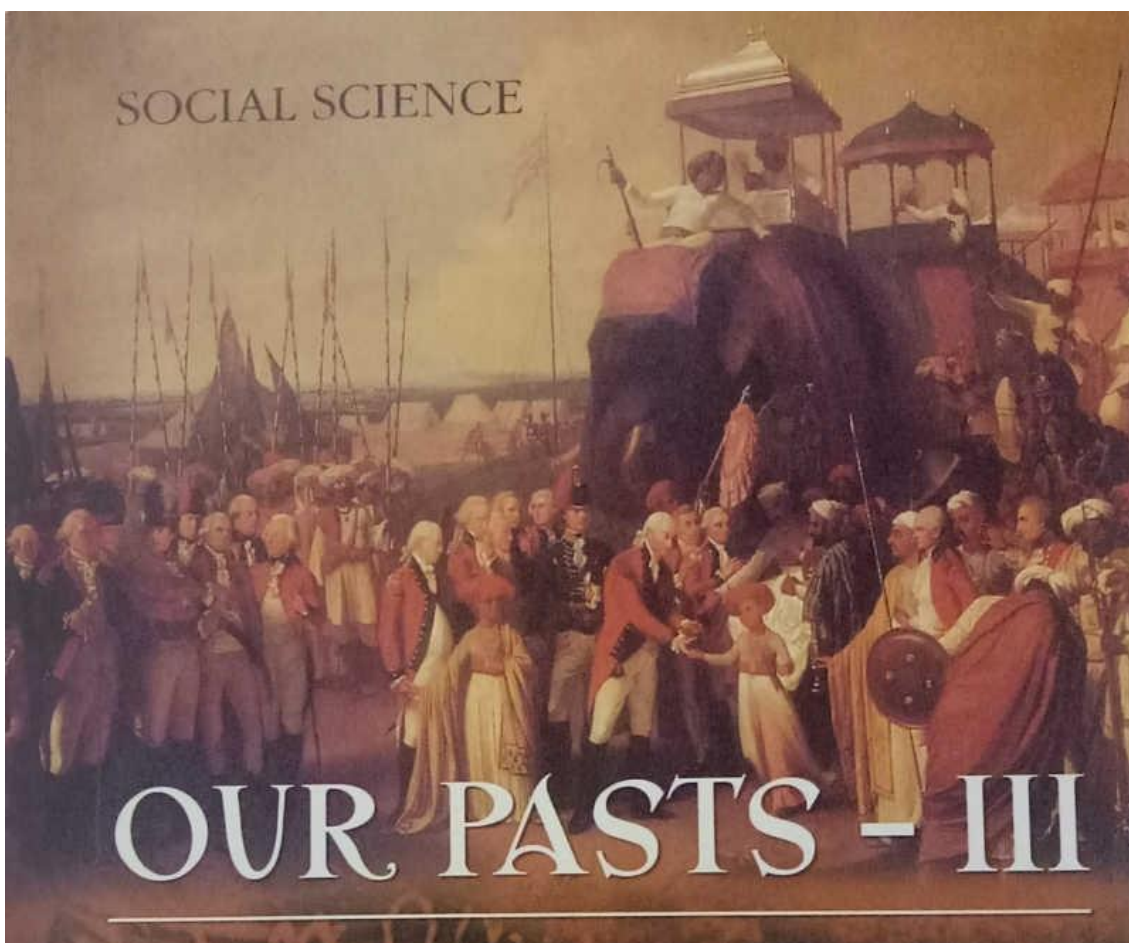
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7. How is Indian secularism different from American secularism.

2

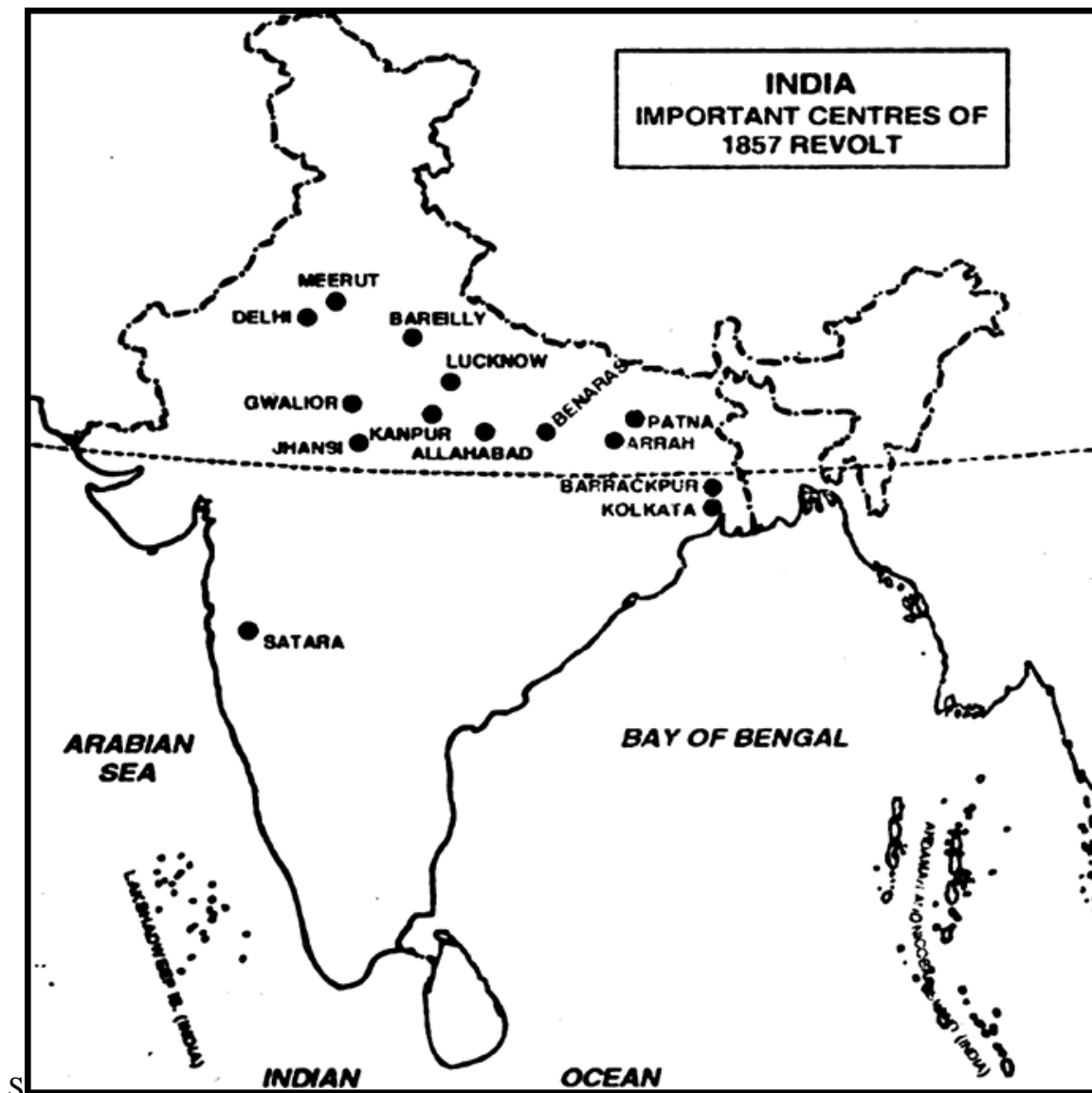
8. This is the cover picture of your history textbook . What does this picture signify ?

2



9. Study the map of India and answer the given questions :

3



- a) Name the place where the revolt was led by Nana Saheb?
- b) Name the army cantonment near Delhi from where the rebel soldiers marched to Delhi?
- c) Whom did the mutineers crown as the emperor of India?

10. How did James Mill view India and Indians?

5

OR

How can we conserve soil and water ?