ENTRANCE EXAM

CLASS- IX

Time: 2.5 Hrs

MM: 100

Instructions:

1. *All questions are compulsory.*

2. *All questions must be answered in the question booklet itself in the space provided for this purpose.*

3. *All sub-questions under the main question carry equal marks.*

4. *Rough work, if required, may be done on the last few pages of this question booklet, provided for the purpose.*

Part-A (English)

35 Marks

1.	Read the unseen passage below and answer the questions that follow in your own words: (10)

One of the great values of punctuality is that it gives discipline to life. We have to get up in time. We have to do things at the appointed time. All these entail certain amount of sacrifice. It dispels laziness and removes our 'take-it-easy attitude'. A disciplined person always gets recognition and social acceptance. He is wanted and appreciated. Therefore, punctuality can make us socially acceptable people.

Another significant merit of punctuality is that it provides ample time to do our work correctly and properly. Doing things hurriedly or haphazardly can have disastrous consequences. When we do things in time there is every chance that they end up as fine works. The virtue of punctuality is said to be the key to success. Look at the great world leaders who have achieved fame and success. Punctuality was their hallmark. They kept their promises. Punctuality is a virtue that is appreciated by all. Washington once took his secretary to task for being late. The secretary laid the blame upon his watch. Washington reported: "Then, Sir either you must get a new watch or I must get a new secretary." People like them are ideals whom we should follow in earnest.

When individuals are not punctual they cause a lot of inconvenience to others. People have to wait for them and waste their valuable time. Want of punctuality reveals want of culture and is discourteous to the person we fail. Unpunctuality invites trouble and worry. History is full of cases which show that lack of punctuality has caused defeat, loss of kingdom and golden opportunities. It is said that Napoleon lost the battle of Waterloo in 1815 because one of his generals came late. Many people lose good opportunities of job or promotion when they reach late for appointment.

All of us are not born with the virtue of punctuality. We have to cultivate it painstakingly. Only constant vigil and practice can implant this virtue. It calls for great deal of sacrifice. It calls for courage to root out laziness and the 'take-it easy attitude'. It demands a disciplined life. That is why very few individuals have the virtue of punctuality. But, know it for certain that it is the surest way to success.

a) What is the author's main concern expressed in the passage?

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b) What would be the consequences of not maintaining punctuality in your work?

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c) Give some examples to show that lack of punctuality has caused trouble and worry.

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d) How did the great world leaders achieve fame and success in their life? Give examples.

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e) What efforts can we make to stay punctual in our lives?

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2.	Write an Essay on:
	'Religion is the opium (a kind of drug) of the masses'. Express your views for or against the topic.
	OR
	Give a tour of one room in your house by describing the most important objects in that room.
	(200 words) (10)

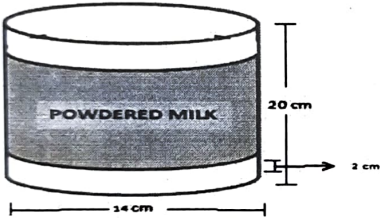|		
3.	**Punctuate and rewrite the following sentences:** **(6)**	
a)	alas what shall i do cried lucy i have lost my way in the snow	
b)	we went through the smoky mountains near shimla on our way to leh told ajay	
c)	apples mangoes and bananas are my favourites	
4.	**Make the following sentences infinitive by starting them with 'it': (4)**	
a)	To play with explosives is dangerous.	
b)	To turn down her request would be a mistake.	

Question No.	Question	Space for Answer
5.	**Complete the following phrases choosing appropriate collective nouns from the list (mob, horde, congregation, bundle, flight, constellation)** **(3)**	
a)	A _____ of stairs.	
b)	A _____ of stars.	
c)	A _____ of savages.	
6.	**Name any one Relative Pronoun. (1)**	
7.	**Write any one Question Tag. (1)**	

Part-B (Maths)   **30 Marks**

Question No.	Question	Space for Answer
1.	**Find the answer to the following:** **(5)**	
a)	All rhombuses are kites. True/False	
b)	If $13 \times 15 = x^2 - 1$. Find the value of x.	
c)	Find the greatest 4-digit number which is a perfect square.	
d)	What are the other two perspectives of a 3-Dimensional object, apart from the Front view.	
e)	What is the probability of getting a prime number when a die is thrown?	

Question No.	Question	Space for Answer
2.	**Fill in the blanks:** (5)	
a)	A _____ is a graphical presentation that displays data that changes over periods of time.	
b)	A regular hexagon will have ___ diagonals.	
c)	If the perimeter of a rectangle is 13 cm and its width is $2\frac{3}{4}$ cm, its length would be ___ cm.	
d)	Reciprocal of zero is ___.	
e)	The square of 1111 is _____.	
3.	**Answer the following:** (10)	
a)	Find m so that $(-3)^{m+1}$ X $(-3)^5 = (-3)^7$	
b)	Factorize: x^2 - $7x$ + 12	
c)	Manush has 3 times as many two-rupee coins as he has five-rupee coins. If all he has is a sum of Rs. 77, how many coins of each denomination does he have?	
d)	A factory requires 42 machines to produce a given number of articles in 63 days. How many machines would be required to produce the same number of articles in 54 days?	

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Question No.	Question	Space for Answer
4.	**Find the answer to the following real life problems:** **(10)**	

a)	You invested Rs. 8000 in a business. You would be paid interest at 5% per annum compounded annually. Find:
	
	   i) The amount credited against your name at the end of second year.
	   ii) The interest for the third year.	

b)	You bought a cylindrical container containing milk powder for your younger sister. Diameter of the base of the cylinder is 14 cm and its height is 20 cm. Company places a 2 cm wide label from the top and the bottom around the surface of the container. What is the area of the label?	

Part-C (Social Science)   **20 Marks**

Question No.	Question	Space for Answer
1.	**Select and write the correct answer:** **(5)**	

Question No.	Question	Space for Answer
a)	_____ is obtained during the processing of coal to get coke. (Fossil fuels/Coal tar/Coal gas)	
b)	The policy of Doctrine of Lapse was devised by _____. (Lord Hastings/ Lord Dalhousie/ Lord Mountbatten)	
c)	The art form, introduced by European artists, which observed carefully and tried to capture exactly what the eye saw is called _____. (life study /picturesque/realism)	
d)	Before 1947, there was only one privately owned iron and steel plant in the country, abbreviated as _____. (TESLA/IISCO/TISCO)	
e)	The role of the Public Prosecuter is to represent the interests of the _____. (accused/victim/state)	
2.	**State TRUE or FALSE:** **(5)**	
a)	Nucleus of a cell contains thread-like structure called nucleolus which carries genes, responsible for inheritance.	
b)	The 'Blue Rebellion' of 1859 is connected with the *ryots* cultivating *jambul* or *jamun* in Bengal.	
c)	Intercropping is a method in which different crops are grown in alternate rows and are sown at different times.	
d)	The Telugu-speaking districts were part of Madras Presidency, which later formed the new state of Andhra Pradesh.	
e)	Federalism refers to existence of more than one level of government in the country.	

3.	Answer the following questions: (10)
	(Each question carries 5 marks. Attempt ANY TWO. Maximum 150 words)
a)	What do you understand by friction? Give one example each to show that friction is both a friend and a foe.

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b)	Why the distance between stars expressed in light years? What is meant by the statement that a star is eight light years away from the Earth?

c)	What are the five key features of the Indian Constitution. Introduce them in one sentence each.

Part-D (General Knowledge)   15 Marks

Question No.	Question	Space for Answer
1.	**Identify the sports with which the following terms are associated:** (5)	
a)	Bull's Eye	
b)	Smash	
c)	Silly Point	
d)	Bogey	
e)	Butterfly	
2.	**State TRUE or FALSE:** (5)	
a)	Mao Tse-tung formed the Communist Party in China and became the Chairman of People's Republic of China.	
b)	Indian School of Mines, now an IIT, is located at Jamshedpur.	
c)	A place where a country makes its coins and currency is known as a warehouse.	
d)	Kerela is the first state in India to pass a resolution demanding scrapping of the Citizenship Amendment Act (CAA).	
e)	Kolkata port has been renamed as Shyama Prasad Mukherjee Port.	
3.	**Answer the following questions:** (5)	
a)	Which city hosted the Indian Science Congress 2020?	
b)	Which movie won the most awards in 92nd Academy Awards (Oscars, 2020)?	

Question No.	Question	Space for Answer
c)	Who is the current Finance Minister of India?	
d)	Which Indian spinner is the fastest to have claimed 100 wickets in ODI cricket?	
e)	What is the food prepared by plants commonly known as?	

SPACE FOR ROUGH WORK