



Date: 18.10.2022	Term 1	Max. Marks: 40
Grade: X	ENGLISH LANGUAGE AND LITERATURE	Time: 2 hours

Q. No.	QUESTION	MARKS
	SECTION A - READING	
	<p>Read the passage given below.</p> <p>1. A large variety of materials go into the making of a launch vehicle both metallic and non-metallic, which include composites and ceramics. In metals, different types of stainless steel, alloys of aluminium, magnesium, titanium, copper, beryllium, tungsten and molybdenum are used.</p> <p>2. Composite materials are composed of a mixture or combination of two or more constituents which differ in form and material composition and which are essentially insoluble in one another. The materials which combine may be metallic, organic or inorganic. While other material combinations possible are virtually unlimited, the most typical composites in launch vehicles are made of structural constituents, embedded in a matrix. We used a large variety of glass fiber reinforced plastic composites and opened avenues for the entry of Kevlar, polyamides and carbon-carbon composites. Ceramics are special types of baked clay used for microwave transparent enclosures. We considered using ceramics, but had to reject the idea then due to technological limitations.</p> <p>3. Through mechanical engineering, these materials are transformed into hardware. In fact, of all the engineering disciplines which feed directly into the development of rocketry, mechanical engineering is perhaps the most intrinsic one. Be it a sophisticated system like a liquid engine or a piece of hardware as simple as a fastener, its ultimate fabrication calls for expert mechanical engineers and precision machine tools.</p> <p>4. We decided to develop important technologies like welding techniques for low-alloy stainless steel, electroforming techniques, and ultra-precision process tooling. We also decided to make some important machines in house, like the 254-litre vertical mixer and the groove machining facility for our third and fourth stages. Many of our subsystems were so massive and</p>	

complex that they implied sizeable financial outlays. Without any hesitation, we approached industries in the private sector and developed contract management plans which later became blueprints for many government-run science and technology business organizations.

Dr. A.P.J. Abdul Kalam

I. Based on your understanding of the above passage, answer the following questions: (1x5=5)

1) What are the two basic characteristics of composite materials?

2) The meaning of the word 'insoluble' in the given context Paragraph 2 is:

- a. a problem which is impossible to solve
- b. a substance which does not dissolve in a liquid
- c. a person who is not liked by anyone
- d. a great occasion or event

3) Why does the narrator term mechanical engineering as the most interesting and valuable engineering discipline?

4) The word which means the same as "extremely important or valuable" in Paragraph 3 is:

- a. mechanical
- b. sophisticated
- c. intrinsic
- d. ultimate

5) What important technologies had been planned as part of mechanical engineering?

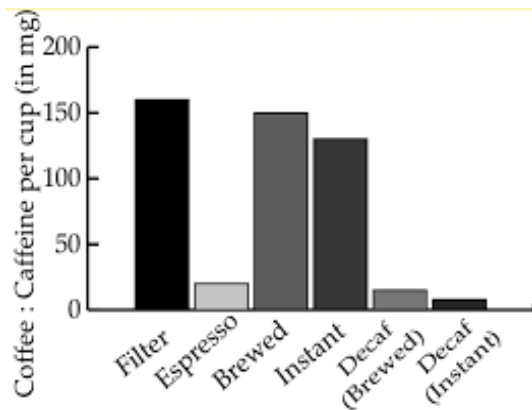
Read the passage given below.

1. If you are addicted to coffee, and doctors warn you to quit the habit, don't worry and just keep relishing the beverage, because it's not that bad after all! In fact, according to a new study, the steaming cup of Java can beat fruits and vegetables as the primary source of antioxidants. Some studies state that coffee is the number one source of antioxidants in American diet and both caffeinated and decaf versions appear to provide similar antioxidant levels.

2. Antioxidants in general have been linked to a number of potential health benefits, including protection against heart diseases and cancer. But Sandra Vinson, a dietitian, said that their benefits ultimately depend on how they are absorbed and

utilised in the body. The research says that coffee outranks popular antioxidant sources like tea, milk, chocolate and cranberries. "Of all the food and beverages studies, dates actually have the most antioxidants based solely on serving size, but since dates are not consumed anywhere near the level of coffee, the drink comes as the top source of antioxidants," Vinson said.

3. Besides keeping you alert and awake, coffee has been linked to an increasing number of potential health benefits, including protection against liver and colon cancer, type-2 diabetes, and Parkinson's disease according to some recently published studies. The researchers, however, advise that one should consume coffee in moderation, because it can make you jittery and cause stomach pain.



II. Based on your understanding of the above passage, answer the following questions:

(1x5=5)

- 1) have the most antioxidants among all the food and beverages.
- 2) The word in Paragraph 3 is an antonym of 'inattentive'.
 - a. alert
 - b. potential
 - c. awake
 - d. linked
- 3) What is the correct order of the information given below?
 - I. Antioxidants are linked to a number of health benefits.
 - II. One should consume coffee in moderation.
 - III. Decaf versions of coffee provide antioxidants. levels.
 - IV. Dates have the most antioxidants based solely on serving size.
 - a. III, I, IV, II
 - b. III, IV, I, II
 - c. III, I, II, IV
 - d. II, I, IV, III

	<p>D. Choose the correct set of options for the following blanks:</p> <p>She met European. He had come to see Taj.</p> <p>a. a; the b. the; no article c. an; a d. an; the</p>	<p>1</p>
<p>IV.</p>	<p>Attempt <u>ANY ONE</u> of the following.</p> <p>A. Your school recently launched a GPS system in the school buses which will enable the parents to keep track of their children while they are travelling in the bus. The service, however, is not smooth and is facing a lot of problems. As the Transport In-charge of DML Public School, Delhi, write a letter in about 120-150 words to the Manager, Forumloft, 21 Park Street, Delhi, mentioning your complaints.</p> <p style="text-align: center;">OR</p> <p>B. You are Vinod/Vidya, the Secretary of Gandhi Nagar Residents' Association, Ahmedabad. Write a letter to the Commissioner, Corporation of Ahmedabad, complaining about the poor sanitary conditions and mosquito menace in your locality using the following hints:</p> <ul style="list-style-type: none"> • irregular garbage clearance • mosquito and flies swarming on rubbish • overflowing dirty water from drains • unclean drinking water • insect-borne diseases 	<p>(5)</p>

SECTION C – LITERATURE

V. Attempt **ANY ONE** of the two extracts given.

(1x5=5)

EXTRACT 1

"Tell me another!" scoffed Pranjol.

"We have an Indian legend too. Bodhidharma, an ancient Buddhist ascetic, cut off his eyelids because he felt sleepy during meditations. Ten tea plants grew out of the eyelids. The leaves of these plants when put in hot water and drunk banished sleep.

"Tea was first drunk in China," Rajvir added, "as far back as 2700 B.C.! In fact words such as tea, 'chai' and 'chini' are from Chinese. Tea came to Europe only in the sixteenth century and was drunk more as medicine than as beverage."

(Glimpses of India)

1) The main idea of this extract is:

- a) Tea as a popular beverage in Europe and how it spread.
- b) Origin of tea in India and why it became popular in Europe.
- c) Importance of India in popularising tea and influencing Europe.
- d) Indian legend on tea and how it travelled from China to Europe.

2) Say Dr Smith is a doctor of sixteenth-century Europe. Based on your inferences from the extract, which of these is NOT TRUE about tea drinking in sixteenth-century Europe?

- a) Dr Smith encouraged drinking green tea whenever available, to reduce chances of tooth loss.
- b) Dr Smith prescribed regular tea drinking to all his patients with a weak heart.
- c) Dr Smith always served tea as a refreshment when he has guests, as they all enjoyed this beverage.
- d) Dr Smith usually recommended black tea to reduce inflammation in the body.

3) Why do you think Pranjol 'scoffed'?

4) Based on this extract, how do you think Rajvir felt while narrating?

- a) i) excited ii) agitated
- b) i) hysterical ii) nervous
- c) i) nervous ii) agitated
- d) i) enthusiastic ii) passionate

	<p>5) Which of the following option is not correct about an ascetic?</p> <ol style="list-style-type: none"> Simple Austere Celibate Epicurean <p style="text-align: center;"><u>OR</u></p> <p><u>EXTRACT 2</u></p> <p>Don't eat that chocolate, Amanda! Remember your acne, Amanda! Will you please look at me when I'm speaking to you, Amanda!</p> <p><i>(I am Rapunzel, I have not a care; life in a tower is tranquil and rare; I'll certainly never let down my bright hair)</i></p> <p><i>Stop that sulking at once, Amanda! You're always so moody, Amanda! Anyone would think that I nagged at you, Amanda!</i></p> <p style="text-align: right;"><i>(Amanda)</i></p> <ol style="list-style-type: none"> What is the central theme of the poem? Why will Amanda not let down her bright hair? The underlying poetic device used in these stanzas is _____. What will Amanda's behaviour make people think? <ol style="list-style-type: none"> her mother loves her her mother harasses her her mother is understanding both 1 and 3 Choose a sentence which shows the correct meaning of the word 'tranquil'. <ol style="list-style-type: none"> She is driving a car in a crowded area. Maya is sitting alone under a tree in the midst of corn field. My mother is grinding grains in the grinder. He is playing with his friends. 	(1x5=5)
<p>VI.</p>	<p>Answer ANY THREE of the following in about 40-50 words each.</p> <ol style="list-style-type: none"> Describe the dress worn by the bread-sellers during the Portuguese days and during the writer's childhood. Why does Amanda wish to be a mermaid, an orphan, or Rapunzel? "Coorg is inhabited by a proud race of martial man." How has this quality of the people of Coorg contributed for the welfare of our nation? What tells us that the bread is still a popular dish in Goa? 	(3x3=9)

VII.

Answer ANY ONE of the following in about 100-120 words.

(1x6=6)

A. What are the subtle ways in which the lady manages to deceive Horace Danby into thinking she is the lady of the house? Why doesn't Horace suspect that something is wrong?

OR

B. Everyone thought that Horace Danby was a good, honest citizen. He was about fifty years old and unmarried, and he lived with a housekeeper who worried over his health. In fact, he was usually very well and happy except for attacks of hay fever in summer. He made locks and was successful enough at his business to have two helpers. Yes, Horace Danby was good and respectable — but not completely honest.

These are the beginning lines of the story "A Question of Trust".

Comment on the statements by giving a pen picture of Horace Danby.