

**P P SAVANI UNIVERSITY**  
**P P SAVANI SCHOOL OF ENGINEERING**  
**4<sup>TH</sup> Semester of B Tech Examination**  
**Subject: IPDC-II (SEPD3050)**

[Date: 17/11/2022, Thursday]

[Time: 1:00 P.M. to 3:30 P.M.]

[Total Marks: 60]

**Instructions:**

- Figures to the right indicate full marks.
- Use of a scientific calculator is allowed.
- Draw neat and clean drawings & Assume suitable data if necessary.

**Q -1 Answer the following question selecting the most appropriate option given below [20] it.**

	<u>CO</u>	<u>BLT</u>
(1) Which of the following methods should we NOT adopt during difficult challenges? (A) Find a positive attitude (B) Find someone to blame (C) Find workable solutions (D) Find assistance	1	3
(2) Complete the following quote from the workbook: "Life is 10% what happens to us and 90% (A) What happens to others (B) How we feel (C) Having fun (D) How we respond to it	2	4
(3) According to the workbook, which of these does NOT lead us to failure? (A) Self-doubts (B) Fear of failure (C) Finding support (D) Making excuses	1	3
(4) In the book, '7 Habits of Highly Effective People', Stephen Covey says that we should stay in which one of these circles? (A) Circle of influence (B) Circle of miracles (C) Circle of concern (D) Circle of life	3	2
(5) Which famous failure is best known for later success in writing the international best-selling Book series Harry Potter? (A) John Rolling (B) JK Rowling (C) George Orwell (D) JRR Tolkien	4	3
(6) Who was kicked out as the CEO of Apple at the age of 30? (A) Steve Jobs (B) Steven Covey (C) Tim Cook (D) Steve Wozniak	3	2
(7) Which of the below scientist, calculated an accurate approximation for Pi( $\pi$ )? (A) Aryabhata (B) Vikram (C) Sushruta (D) Vyasa	2	4
(8) "We owe a lot to the Indians, who taught us how to count, without which no worthwhile The scientific discovery could have been made." Who said this statement? (A) Ernest Rutherford (B) Guillaume Le Gentil (C) Albert Einstein (D) K. V. Sharma	4	2
(9) What research does Zero Project Foundation do?	2	1

- (A) The development of motor engines with zero carbon emissions (B) The effect of zero-tolerance laws
- (C) The origins of the digit zero (D) The benefits of meditation
- (10) Which pair of titles from below best suits Aryabhata Rishi? 4 5
- (A) Astronomer-Mathematician (B) Physicist-Historian
- (C) Physicist-Biologist (D) Nuclear Scientist-Mathematician
- (11) In the face of failure, we should try to see the positive angle. True / False 5 2
- (12) Focus on what you can control and do not waste energy on things that you cannot control. True / False 3 4
- (13) Within the circle of influence, there are things that you can control. True / False 2 1
- (14) The Vedic text, Baudhāyana Shulba Sutra, contains surgical techniques like the heart bypass Surgery. True / False 3 4
- (15) Āryabhata rishi's estimation of Pi was near the actual value of  $\pi$  (Pi). True / False 4 2
- (16) The rishis of India have contributed greatly to the fields of Mathematics, Astronomy, and Physics. True / False 5 6
- (17) Āryabhata Rishi mainly contributed to the field of Biology. True / False 4 6
- (18) Bakhshali manuscript was written by Isaac Newton. True / False 3 2
- (19) Sushruta is famous for his work on astronomy and mathematics. True / False 4 2
- (20) The origin of Takshashilā goes back at least to 1000 BCE True / False 5 3

**Write the short notes on the following topic in about 100 words. Each short note contains ten marks.**

- Q-2** [40]
- (i) Explain -The 24-Hour rule. 2 4
- (ii) Write a note. 'The first university in the world.' 5 6
- (iii) Explain the technique of making failures insensitive. 3 2
- (iv) Write about Abraham Lincoln's life journey. 3 2

CO: Course Outcome Number  
Level of Bloom's Revised Taxonomy in Assessment

BTL: Blooms Taxonomy Level

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create