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31.  $\int_0^{\pi/4} \log(1 + \tan x) dx$  is equal to:
- (a)  $\frac{\pi}{8} \log_2 2$  (b)  $\frac{\pi}{4} \log_2 e$   
 (c)  $\frac{\pi}{4} \log_2 2$  (d)  $\frac{\pi}{8} \log_2 \left(\frac{1}{2}\right)$
32. The modulus and amplitude of  $\frac{1+2i}{1-(1-i)^2}$  are:
- (a)  $\sqrt{2}$  and  $\frac{\pi}{6}$  (b) 1 and 0  
 (c) 1 and  $\frac{\pi}{3}$  (d) 1 and  $\frac{\pi}{4}$
33.  $\lim_{x \rightarrow 0} \frac{\tan x - \sin x}{x^3}$  is equal to:
- (a)  $\frac{1}{2}$  (b)  $-\frac{1}{2}$   
 (c) 0 (d) 1
34. If  $f(x) = \begin{cases} \frac{\sin 5x}{x^2 + 2x}, & x \neq 0 \\ k + \frac{1}{2}, & x = 0 \end{cases}$  is continuous at  $x = 0$ , then the value of  $k$  is:
- (a) 1 (b) -2  
 (c) 2 (d)  $\frac{1}{2}$
35. The area bounded by the parabola  $y^2 = 4ax$  and the line  $x = a$  and  $x = 4a$  is:
- (a)  $\frac{35a^2}{3}$  (b)  $\frac{4a^2}{3}$   
 (c)  $\frac{7a^2}{3}$  (d)  $\frac{56a^2}{3}$
36. A population  $p(t)$  of 1000 bacteria introduced into nutrient medium grows according to the relation  $p(t) = 1000 + \frac{1000t}{100 + t^2}$ . The maximum size of this bacterial population is:
- (a) 1100 (b) 1250  
 (c) 1050 (d) 5250
37. The differential equation representing a family of circles touching the y-axis at the origin is:
- (a)  $x^2 + y^2 - 2xy \frac{dy}{dx} = 0$   
 (b)  $x^2 + y^2 + 2xy \frac{dy}{dx} = 0$   
 (c)  $x^2 - y^2 - 2xy \frac{dy}{dx} = 0$   
 (d)  $x^2 - y^2 + 2xy \frac{dy}{dx} = 0$
38. The general solution of the differential equation  $(2x - y + 1) dx + (2y - x + 1) dy = 0$  is:

- (a)  $x^2 + y^2 + xy - x + y = c$   
 (b)  $x^2 + y^2 - xy + x + y = c$   
 (c)  $x^2 - y^2 + 2xy - x + y = c$   
 (d)  $x^2 - y^2 - 2xy + x - y = c$
39. If  $y = \tan^{-1} \frac{\sqrt{1+x^2} - \sqrt{1-x^2}}{\sqrt{1+x^2} + \sqrt{1-x^2}}$ , then  $\frac{dy}{dx}$  is equal to:
- (a)  $\frac{x^2}{\sqrt{1-x^2}}$  (b)  $\frac{x^2}{\sqrt{1+x^2}}$   
 (c)  $\frac{x}{\sqrt{1+x^2}}$  (d)  $\frac{x}{\sqrt{1-x^2}}$
40. If  $x = \sin t, y = \cos pt$ , then:
- (a)  $(1-x^2)y_2 + xy_1 + p^2y = 0$   
 (b)  $(1-x^2)y_2 - xy_1 - p^2y = 0$   
 (c)  $(1+x^2)y_2 - xy_1 + p^2y = 0$   
 (d)  $(1-x^2)y_2 - xy_1 + p^2y = 0$
41. If ST and SN are the lengths of the subtangent and the subnormal at the point  $\theta = \frac{\pi}{4}$  on the curve  $x = a(\theta + \sin \theta), y = a(1 - \cos \theta), a > 1$ , then:
- (a)  $ST = SN$  (b)  $ST = 2SN$   
 (c)  $ST^2 = aSN^3$  (d)  $ST^2 = aSN$
42. If  $\theta$  is the acute angle of intersection at a real point of intersection of the circle  $x^2 + y^2 = 5$  and the parabola  $y^2 = 4x$ , then  $\tan \theta$  is equal to:
- (a) 1 (b)  $\frac{\sqrt{3}}{3}$   
 (c) 3 (d)  $\frac{1}{\sqrt{3}}$
43. Universal set  $U = \{x | x^3 - 6x^2 + 11x - 6 = 0\}$   
 $A = \{x | x^3 - 5x + 6 = 0\}$   
 $B = \{x | x^3 - 3x + 2 = 0\}$   
 what is  $(A \cap B)$  equal to?  
 (a) {1, 3} (b) {1, 2, 3}  
 (c) {0, 1, 3} (d) {0, 1, 2, 3}
44. Which of the following statements is not correct for the relation R defined by 'aRb if and only if b lives within on kilometres from a'?
- (a) R is reflexive  
 (b) R is symmetric  
 (c) R is not anti-symmetric  
 (d) None of the above

39. Let  $z_1 = 2, z_2 = 3, z_3 = 4$  and  $|2z_1 + 3z_2 + 4z_3| = 4$ . Then  $|8z_1z_2 + 27z_2z_1 + 64z_3z_2|$  is equal to:
- (a) 24 (b) 48 (c) 72 (d) 96
40. Let  $\omega = \frac{-1 + i\sqrt{3}}{2}$ . Then, the value of the determinant  $\begin{vmatrix} 1 & 1 & 1 \\ 1 - \omega^2 & \omega^2 & 1 \\ \omega^2 & \omega^4 & \omega^4 \end{vmatrix}$  is:
- (a)  $3\omega$  (b)  $3\omega(\omega - 1)$   
 (c)  $3\omega^2$  (d)  $3\omega(1 - \omega)$
41. The sum of  $n$  terms of the series  $\frac{1}{1 \cdot 3} + \frac{1}{3 \cdot 5} + \frac{1}{5 \cdot 7} + \dots$  is:
- (a)  $\frac{1}{2n+1}$  (b)  $\frac{2n}{2n+1}$   
 (c)  $\frac{n}{2n+1}$  (d)  $\frac{2n}{n+1}$
42. The period of the function  $f(x) = |\sin x| - |\cos x|$  is:
- (a)  $\pi/2$  (b)  $\pi$   
 (c)  $2\pi$  (d) None of these
43. Let  $f(x) = x^3 - x^2 + x + 1$  and  $g(x)$  be a function defined by  $g(x) = \begin{cases} \text{Max}\{f(t) : 0 \leq t \leq x\}, & 0 \leq x \leq 1 \\ 3 - x, & 1 < x \leq 2 \end{cases}$  then  $g(x)$  is:
- (a) continuous and differentiable on  $[0, 2]$   
 (b) continuous but not differentiable on  $[0, 2]$   
 (c) neither continuous nor differentiable on  $[0, 2]$   
 (d) None of the above
44. The area enclosed between the curve  $y = \log_e(x + e)$  and the coordinate axes, is:
- (a) 4 (b) 3  
 (c) 2 (d) 1
45. Four numbers are multiplied together. Then, the probability that the product will be divisible by 5 or 10 is:
- (a)  $\frac{369}{625}$  (b)  $\frac{399}{625}$  (c)  $\frac{123}{625}$  (d)  $\frac{133}{625}$
46. Let  $X$  denotes the number of times head occur in  $n$  tosses of a fair coin. If  $P(X = 4), P(X = 5)$  and  $P(X = 6)$  are in AP, then the value of  $n$  is:

- Let  $a, b$  be natural numbers, defined the relation R by  $a R b$  if the GCD of  $a$  and  $b$  is 2, then R is:
- (a) Reflexive but not symmetric  
 (b) Symmetric only  
 (c) Equivalence  
 (d) Neither reflexive nor symmetric and transitive
116. The coefficient of the middle term in the binomial expansion, in powers of  $x$ , of  $(1 + \alpha x)^3$  and of  $(1 - \alpha x)^2$  is same, if  $\alpha$  equals:
- (a)  $\frac{3}{5}$  (b)  $\frac{10}{3}$  (c)  $-\frac{3}{10}$  (d)  $-\frac{5}{3}$
117. Greatest integral value of 'n' for which the equation  $2 \cos x (\sin x - \cos x) = n$  has atleast one solution is:
- (a) -2 (b) 0  
 (c) 1 (d) 2
118. Let S and S' be two foci of the ellipse  $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$ . If a circle described on SS' as diameter intersects the ellipse in real and distinct points, then the eccentricity e of the ellipse satisfies:
- (a)  $e < 1/\sqrt{2}$  (b)  $e < (1/\sqrt{2})^2$   
 (c)  $e < (0, 1/\sqrt{2})$  (d) None of these
119. It has been found that if A and B play a game 12 times, A wins 6 times, B wins 4 times and they draw twice. A and B take part in a series of 3 games. The probability that they will win alternately is:
- (a)  $\frac{5}{72}$  (b)  $\frac{5}{36}$   
 (c)  $\frac{19}{27}$  (d) None of these
120. Let  $a, b, c$  be in AP and  $|a| < 1, |b| < 1, |c| < 1$ . If  $x = 1 + a + a^2 + \dots$  to  $\infty$ ,  $y = 1 + b + b^2 + \dots$  to  $\infty$  and  $z = 1 + c + c^2 + \dots$  to  $\infty$ , then  $x, y, z$  are in:
- (a) AP (b) GP  
 (c) HP (d) None of these
121. If the sides of a triangle are in GP and its larger angle is twice the smallest, then the common ratio (r) satisfies the inequality:
- (a)  $0 < r < \sqrt{2}$  (b)  $1 < r < \sqrt{2}$   
 (c)  $1 < r < 2$  (d) None of these
122. The maximum value of  $\mu = 3x + 4y$ , subjected to the conditions  $x + y \leq 40, x + 2y \leq 60, x, y \geq 0$ , is:
- (a) 130 (b) 140 (c) 40 (d) 120

PRACTICE PAGE - 1

1. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	21. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
2. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	22. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
3. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	23. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
4. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	24. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
5. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	25. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
6. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	26. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
7. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	27. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
8. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	28. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
9. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	29. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:
10. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:	30. The area of the region bounded by the lines $x = 0, y = 0, x + y = 1$ is:

Mathematics

- When  $2^{2011}$  is divided by 5, the least positive remainder is :  
(a) 4 (b) 8  
(c) 2 (d) 6
- If  $\omega$  is a complex cube root of unity, then  
$$\begin{vmatrix} 1 & \omega & \omega^2 \\ \omega & \omega^2 & 1 \\ \omega^2 & 1 & \omega \end{vmatrix}$$
 is equal to :  
(a) -1 (b) 1  
(c) 0 (d)  $\omega$
- The ends of the latus rectum of the conic  $x^2 + 10x - 16y + 25 = 0$  are :  
(a) (3, -4), (13, 4)  
(b) (-3, -4), (13, -4)  
(c) (3, 4), (-13, 4)  
(d) (5, -8), (-5, 8)
- The equation to the hyperbola having its eccentricity 2 and the distance between its foci is 8, is  
(a)  $\frac{x^2}{12} - \frac{y^2}{4} = 1$  (b)  $\frac{x^2}{4} - \frac{y^2}{12} = 1$   
(c)  $\frac{x^2}{8} - \frac{y^2}{2} = 1$  (d)  $\frac{x^2}{16} - \frac{y^2}{9} = 1$
- The solution of  $\sin^{-1} x - \sin^{-1} 2x = \frac{\pi}{3}$  is :  
(a)  $\pm \frac{1}{3}$  (b)  $\pm \frac{1}{4}$   
(c)  $\pm \frac{\sqrt{3}}{2}$  (d)  $\pm \frac{1}{2}$
- In a  $\Delta ABC$  if the sides are  $a = 3, b = 5$  and  $c = 4$ , then  $\sin \frac{B}{2} + \cos \frac{B}{2}$  is equal to :  
(a)  $\frac{\sqrt{2}}{2}$  (b)  $\frac{\sqrt{3}+1}{2}$   
(c)  $\frac{\sqrt{3}-1}{2}$  (d) 1
- The two circles  $x^2 + y^2 - 2x + 22y + 5 = 0$  and  $x^2 + y^2 + 14x + 6y + k = 0$  intersect orthogonally provided  $k$  is equal to :  
(a) 47 (b) -47  
(c) 49 (d) -49
- The radius of the circle  $x^2 + y^2 + 4x + 6y + 13 = 0$  is :  
(a)  $\sqrt{25}$  (b)  $\sqrt{13}$   
(c)  $\sqrt{23}$  (d) 0
- The centre of the circle  $x^2 + y^2 - 3 \sin \theta - 1 = 0$  is :  
(a) (2, 3) (b) (2, -1)  
(c) (-2, 1) (d) (-1, 2)
- The sum of the focal distances of any point on the conic  $\frac{x^2}{25} + \frac{y^2}{16} = 1$  is :  
(a) 10 (b) 9  
(c) 41 (d) 18
- The solutions of the equation  $\frac{x+2}{x-1} + \frac{x-2}{x+1} = 0$  are :  
(a) 3, -1 (b) -3, 1  
(c) 3, 1 (d) -3, -1
- If  $A = \begin{bmatrix} 3 & 5 \\ 2 & 0 \end{bmatrix}$  and  $B = \begin{bmatrix} 1 & 7 \\ 0 & -11 \end{bmatrix}$ , then  $|AB|$  is equal to :  
(a) 80 (b) 100  
(c) -110 (d) 92
- The inverse of the matrix  $\begin{bmatrix} 3 & -2 \\ 1 & 1 \end{bmatrix}$  is :  
(a)  $\begin{bmatrix} 1 & 2 \\ 1 & -3 \end{bmatrix}$  (b)  $\begin{bmatrix} 1 & 2 \\ -3 & 1 \end{bmatrix}$   
(c)  $\begin{bmatrix} 1 & -2 \\ 1 & 3 \end{bmatrix}$  (d)  $\begin{bmatrix} 1 & 2 \\ -2 & 1 \end{bmatrix}$

PRACTICE PAPER - 1

1. When $2^{2011}$ is divided by 5, the least positive remainder is :	1
2. If $\omega$ is a complex cube root of unity, then $\begin{vmatrix} 1 & \omega & \omega^2 \\ \omega & \omega^2 & 1 \\ \omega^2 & 1 & \omega \end{vmatrix}$ is equal to :	2
3. The ends of the latus rectum of the conic $x^2 + 10x - 16y + 25 = 0$ are :	3
4. The equation to the hyperbola having its eccentricity 2 and the distance between its foci is 8, is	4
5. In a $\Delta ABC$ if the sides are $a = 3, b = 5$ and $c = 4$ , then $\sin \frac{B}{2} + \cos \frac{B}{2}$ is equal to :	5
6. The two circles $x^2 + y^2 - 2x + 22y + 5 = 0$ and $x^2 + y^2 + 14x + 6y + k = 0$ intersect orthogonally provided $k$ is equal to :	6
7. The radius of the circle $x^2 + y^2 + 4x + 6y + 13 = 0$ is :	7
8. The centre of the circle $x^2 + y^2 - 3 \sin \theta - 1 = 0$ is :	8
9. The sum of the focal distances of any point on the conic $\frac{x^2}{25} + \frac{y^2}{16} = 1$ is :	9
10. The solutions of the equation $\frac{x+2}{x-1} + \frac{x-2}{x+1} = 0$ are :	10
11. If $A = \begin{bmatrix} 3 & 5 \\ 2 & 0 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 7 \\ 0 & -11 \end{bmatrix}$ , then $ AB $ is equal to :	11
12. The inverse of the matrix $\begin{bmatrix} 3 & -2 \\ 1 & 1 \end{bmatrix}$ is :	12

Was bitsat 2020 tough. What type of questions are asked in bitsat. Bitsat 2015 question paper with solutions pdf.

BITSAT Exam Sample papers 2015 and previous Last Year Exam papers are presented to all the students who are going to appear in BITSAT Exams later in the month of MAY or June 2015. BITSAT Exam 2015 Sample papers, Model Papers, Guess papers and Last year Question papers will be provided to all the students. BITSAT Exam 2015 will be conducted all India for better preparation of this Exam students need to work hard and have to go through as much Sample papers & guess papers as possible. BITSAT is basically recognize by BITS which is Birla Institute of technology and Science which provided various Engineering courses admission and BISAT Exam is conducted as Computer Based Online Test. BITSAT Guess Papers 2015 or Sample papers are one of the best way to stay updated to the exam pattern of BITSAT and also to know how to follow up. 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As one of the most prestigious exams of the country, this paper holds immense importance as it was conducted across 48 major cities of India to fill around 2000 BE seats. Hence, a detailed analysis of the level of toughness of this paper has been done below to compare the standard of this paper. BITSAT 2015 Question Paper Analysis Physics-The toughness level of the physics section ranged from moderate to difficult. The questions were not very tedious to comprehend and didn't require heavy calculations. The major chunk of questions in this section of the BITSAT 2015 question paper came from Electricity and Mechanics. Modern Physics, Optics, and SHM & Heat Waves constituted the least number of questions in the entire set. The section was overall doable and was of moderate level. Completing this section within the given time frame wouldn't have been difficult for the students. Topics No. of Questions Marks Mechanics 1133 Heat & thermodynamics 412 Electricity & Magnetism 1545 Modern physics 412 SHM & Waves 412 Optics 412 Total 40120 Chemistry- This was considered the easiest section of all. The toughness level of this section ranged from easy to moderate. The least number of questions were from Organic Chemistry and on the other hand, the highest number of questions came from Physical Chemistry. The section had straight forward questions and it didn't take students long to complete this section. There were only 5-6 difficult questions and the rest were fairly easy for an average candidate. BITSAT 2015 question paper pdfs are available online for better reference. Topics No. of Questions Marks Physical Chemistry 1854 Organic Chemistry 824 Inorganic Chemistry 1442 Total 40120 Mathematics- The hardest section amongst all was the Mathematics section. In this section of the BITSAT 2015 question paper, again the focus has been on derivatives and geometry. These two topics gave a large chunk of questions. Questions were asked from each and every topic and the paper was hence, a bit tough to crack. Students can take the help of BITSAT 2015 question paper with solutions pdf which is available on the official site of BITSAT for practice in this section. This section had very lengthy questions and excessive calculations which made it more difficult. Topic No. of Questions Marks Straight-line & pair of straight lines 26 Continuity & Differentiability 26 Binomial Theorem 26 Theorem of Equation 26 Sets, Relations & Functions 26 Circles 412 Properties of Triangle 13 Trigonometric Ratios & Identities 26 Trigonometric Equations 26 Probability 26 Matrix & Determinants 39 Permutation & Combination 39 Application of Derivatives 72 Inverse Trigonometric Functions 13 Parabola 26 Sequences & Series 412 Limits & Derivatives 26 Statistics 13 Complex Number 13 Total 45120 Conclusion BITSAT 2015 question paper pdf download is easily available online for students to get a better insight into the paper pattern. BITSAT 2015 question paper with solutions is also available on the official website of BITSAT. The overall paper was seen as moderate and students were able to attend all the questions within the given time of 3 hours. The toughness level was a bit lower than that of JEE Mains but it was a bit challenging for sure. When compared to the previous year, the paper has new types of questions that were situation based and has also seen a need for preparations from higher resources other than NCERT. Written By Karen Marwein Last Modified 10-08-2022 BITSAT Previous Year Question Papers: The BITSAT session 2 exams are going on at different designated exam centres from August 3 to 7, 2022. Registered applicants must be doing everything possible to score the highest marks in the exam. Solving previous years' question papers of BITSAT will allow candidates to get their head around question paper format and understand the types of questions asked previously, paper difficulty level, the time required to complete the test, etc. While BITSAT session 1 was scheduled from July 2 to 9, 2022, and was completed successfully. We strongly recommend all appearing candidates to practice BITSAT previous year question papers to improve their accuracy and exam-taking skills. We also suggest that enrolled candidates take the free BITSAT mock test to enhance their test preparation like never before. Read on to find out more! Latest Updates:- The BITSAT 2022 Session 2 exams are going on in designated exam centres from August 3 to 7. Stay tuned for more updates. BITSAT Previous Year Question Papers Understanding which section of the question paper included what type of questions last year is highly essential for aspirants taking BITSAT this year. They must be familiar with the questions asked in Chemistry, Physics, English Reasoning, or Mathematics/Biology section. Using last year's question papers for BITSAT in PDF, aspirants can easily understand the difficulty level of the exam, questions asked, answers, and solutions. But before we delve into knowing the previously asked questions, let us first check out the newly crafted BITSAT online test series below based on the new exam pattern: BITSAT Online Test Series At Embibe, we have provided complete test series to help students crack BITSAT 2022 exam easily. Students can follow the steps below to take the new pattern test: 1st Step: Visit Embibe's official website, i.e., embibe.com. 2nd Step: Login through your mobile number/email. 3rd Step: Then select your 'Goal' as 'BITSAT' under Engineering. 4th Step: Click 'Next' and select your preferred language. 5th Step: Once done, solve the mock tests or click on the below-mentioned links to take the TEST. Test Name Link to the test Predicted Paper of BITSAT 2022 Take Test New Pattern, Full Test - 1 Take Test New Pattern, Full Test - 2 Take Test New Pattern, Full Test - 3 Take Test New Pattern, Full Test - 4 Take Test New Pattern, Full Test - 5 Take Test New Pattern, Full Test - 6 Take Test New Pattern, Full Test - 7 Take Test New Pattern, Full Test - 8 Take Test New Pattern, Full Test - 9 Take Test New Pattern, Full Test - 10 Take Test BITSAT Previous Year Papers BITS Pilani is the most prestigious and well-known private college for engineering and other higher education programmes. The institute is noted for its excellent campus facilities, varied student body, world-class infrastructure, and knowledgeable faculty. In this article, we have maintained a repository of BITSAT previous year's question papers so that candidates can access them all in one place. Students can download the BITSAT previous papers PDFs for free and their solutions in this section. Candidates must start focussing on their preparation with proper planning and diligence for the BITSAT 2022 exam. Before we get into the details of the BITSAT previous year paper, let us look into the brief overview of the exam: Particulars Details Exam Name Birla Institute of Technology and Science Aptitude Test (BITSAT) Exam Category Undergraduate Exam Level National Conducting Body Birla Institute of Technology and Science (BITS), Pilani Programmes Covered B.E, B.Pharm Exam Mode Computer-based Test (Online) Sections Physics, Chemistry, English Proficiency, Logical Reasoning, and Mathematics Official Website bitsadmission.com Also Read: BITSAT 2022 Syllabus Previous Year BITSAT Question Paper: Important Details Here are the important points that candidates should know about the BITSAT 2022 exam. Particulars Details Name of the Exam Birla Institute of Technology and Science Admission Test Commonly Known As BITSAT Mode of the Exam Computer-Based Test (CBT) Exam Date Session 1: July 2 to 9, 2022 Session 2: August 3 to 7, 2022 Type of Questions Objective Type (MCQs) Level of the Exam University Level Frequency of the Exam Once a Year in Multiple Slots Total Number of Questions in the Exam 130 Total Marks of BITSAT 390 Marks per Question 3 Marks per Question Negative Marking -1 for Each Incorrect Response Total Sections in the Exam (Known as Parts) Four Sections Part I - Physics Part II - Chemistry Part III - English Proficiency and Logical Reasoning Paper IV - Mathematics Duration of the Exam 3 hours (180 minutes) Please Note: If a candidate is able to answer all the 130 questions within the given 3 hours (without skipping any question), they have the chance to attempt an additional 12 questions (four each from Mathematics, Physics, and Chemistry). However, they will not be able to make any changes to the 130 questions they attempted earlier. How to Attempt BITSAT Previous Year Question Papers/Tests on Embibe for Free? Embibe allows the candidates to practice BITS previous year question papers and mock tests for free. Follow the steps below to successfully attempt the BITSAT previous papers/mock tests on Embibe: 1st Step: Go to embibe.com. 2nd Step: Click on 'Take a Test'. 3rd Step: 'BITSAT' button will be visible on the screen. Click on it. 4th Step: Scroll down to see 'Previous Year Test'. Click on 'Show All'. 5th Step: Click on the 'Start Test' button against any of the tests. 6th Step: Then the 'Instruction page' will appear. Now, click on 'I have read and understood the instructions and then on 'Start Test'. Similarly, candidates can give mock tests for other exams as well. These tests will help candidates analyse their weak areas and improve on them. BITSAT Previous Year Papers: Exam Pattern It is important to know the BITSAT exam pattern. This will help candidates know everything about the different sections and their marking patterns and, thus, formulate a strategy to prepare for the exam. Candidates can find the BITSAT question paper pattern in the table below. Subjects No. of Questions Physics 30 Chemistry 30 English Proficiency Logical Reasoning 10 20 Mathematics/Biology (for B. Pharm) 40 Total 130 Previous Years' Papers with Solution: BITSAT PYQ (PDFs) Here we have provided the BITSAT previous year papers along with solution PDFs which candidates can download for free. Since our team is working on giving more of the BITSAT previous year papers, we suggest candidates attempt free mock tests on our platform and take their preparation to new levels. BITSAT: Courses Offered This section provides the various integrated first-degree programmes offered by the different campuses of BITS. Please remember that the admissions will take place based on the BITSAT cut-off and merit list. Campus Courses offered BITS Pilani Campus B.E - Chemical, Civil, Computer Science, Electrical and Electronics, Electronics and Instrumentation, Mechanical, and Manufacturing B.Pharm M.Sc - Biological Sciences, Chemistry, Economics, Mathematics, Physics, and General Studies K. K Birla Goa Campus B.E - Chemical, Computer Science, Electrical and Electronics, Electronics, Instrumentation, and Mechanical B.Pharm M.Sc - Biological Sciences, Chemistry, Economics, Mathematics, and Physics Hyderabad Campus B.E - Chemical, Civil, Computer Science, Electrical and Electronics, Electronics and Communication, Electronics and Instrumentation, Mechanical, and Manufacturing B.Pharm M.Sc - Biological Sciences, Chemistry, Economics, Mathematics, and Physics BITSAT 2022 Exam Preparation Tips Below are some preparation tips to help candidates clear the BITSAT 2022 exam: Revise the important chapters - Revision is one of the most important things for effective preparation. It helps candidates go back again and revise all the important concepts. Practice weak chapters - Candidates who have been preparing for this exam for a while should have an idea of their weak and strong points. Give proper attention to the weak areas and sequentially work on them. Take mock tests and analyse - Solving a sufficient number of BITSAT mock tests and BITSAT practice questions with increasing difficulty levels will help candidates build an effective strategy for their exam. In addition, do visit and analyse those mock tests for a better understanding of their skills. Set. Solve BITSAT previous year papers with solutions - Solving more and more questions will prove to be helpful. It is for this reason that experts advise candidates to practice BITSAT previous year question papers and sample papers. Practice important formulas, reactions, and equations - Go through all the important figures, equations, formulas, etc. Candidates must prepare a note about these things so that it will become easy for them to revise. Read Also: How to Crack BITSAT 2022? Find the links to the BITSAT books and previous year's papers below: You can also check: FAQs on BITSAT Previous Year Question Papers Read on some of the most frequently asked questions related to the BITSAT previous year question papers: Q.1: Where can I download BITSAT's previous year's papers? Ans: BITSAT previous year's question papers can be downloaded from this article. Candidates can attempt the BITSAT 2022 sample papers and mock tests on Embibe for free. Q.2: When will the BITSAT 2022 exam be conducted? Ans: BITSAT 2022 exam will be conducted in two sessions. Session 1 exam was conducted from July 2 to 9, 2022, while Session 2 exam will be conducted from August 3 to 7, 2022. Q.3: From where can I attempt BITSAT mock tests for free? Ans: You can attempt the BITSAT mock test series for free at Embibe. Q.4: When is the last date to submit the BITSAT 2022 Session 2 application form? Ans: The last date to submit the BITSAT 2022 Session 2 application form was June 20, 2022. Q.5: What is the marking scheme for the BITSAT 2022 exam? Ans: Each correct answer will be awarded +3 marks, while for every incorrect response, candidates will be penalised with a negative marking of -1. Top Engineering Entrance Exams: TS EAMCET JEE MAIN/JEE Advanced VITEEE ESRM/EEEMHT-CETAP EAMCET KCET (UG) We hope that you have all the information related to the BITSAT previous year question papers. Download the Embibe mobile app to kick start your preparations for BITSAT 2022.

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