**ĐÁP ÁN KIỂM TRA CUỐI KÌ II NĂM HỌC 2024 – 2025 – TOÁN 11**

**PHẦN I**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CÂU/ĐỀ*** | ***169*** | ***245*** | ***326*** | ***493*** |
| ***1*** | D | B | B | A |
| ***2*** | A | B | C | C |
| ***3*** | C | D | B | C |
| ***4*** | A | C | D | A |
| ***5*** | B | B | C | B |
| ***6*** | C | B | B | D |
| ***7*** | C | A | D | B |
| ***8*** | D | D | C | B |
| ***9*** | B | C | D | B |
| ***10*** | A | B | B | A |
| ***11*** | C | C | A | A |
| ***12*** | B | D | B | D |
| ***13*** | D | B | D | C |
| ***14*** | B | D | A | D |
| ***15*** | D | A | A | D |
| ***16*** | C | C | C | C |

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| **PHẦN II**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CÂU/ĐỀ*** | ***169*** | ***245*** | ***326*** | ***493*** |
| 1 | SĐSĐ | SĐSĐ | ĐSSĐ | SĐSĐ |
| 2 | ĐSSĐ | ĐSSĐ | SĐSĐ | ĐSSĐ |
|  |  |  |  |  |

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**PHẦN III**

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| ***CÂU*** | ***NỘI DUNG*** | ***ĐIỂM*** |
| **1** | $$y^{'}=9x^{2}+8x-3$$ | 0,5 |
| **2** | ; $y'=\frac{-2}{\left(x-1\right)^{2}}$; $y'\left(2\right)=-2$Tiếp tuyến: $y=-2(x-2)+3⇔y=-2x+7$ | 0,25x20,25x2 |
| **3** | a) $\left\{\begin{array}{c}\&SA⊥BD \left(do SA⊥\left(ABCD\right)\right)\\\&AC⊥BD \left(ABCD hv\right)\end{array}\right.⇒BD⊥(SAC)$Mà $BD⊂\left(SBD\right)⇒\left(SAC\right)⊥\left(SBD\right)$ | 0,25x20,25 |
| b) $\hat{SOA}$ là góc phẳng nhị diện $\left[A,BD,S\right]$Tam giác $SAO$ vuông tại A, có $\tan(\hat{SOA})=\frac{SA}{AO}=\frac{a\sqrt{3}}{a\sqrt{2}}=\frac{\sqrt{6}}{2}$$$⇒\hat{SOA}≈50^{0}46^{/}$$ | 0,25x3 |
| **4** | Tính được $v\left(t\right)=2t+t^{2}$ và $a\left(t\right)=2+2t$Giải ra $v=8⇒t=2s$ và $a\left(2\right)=6m/s^{2}$ | 0,25x4 |