

ME : Mechanical Engineering

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AI24BTECH11022 - Pabbuleti Venkata Charan Teja

- 1) He is known for his unscrupulous ways. He always sheds _____ tears to deceive people. (2020)
- a) fox's
b) crocodile's
c) crocodile
d) fox
- 2) Jofra Archer, the England fast bowler, is _____ than accurate. (2020)
- a) more fast
b) faster
c) less fast
d) more faster
- 3) Select the word that fits the analogy:
Build : Building :: Grow : _____ (2020)
- a) Grown
b) Grew
c) Growth
d) Growed
- 4) I do not think you know the case well enough to have opinions. Having said that, I agree with your other point.
What does the phrase "having said that" mean in the given text? (2020)
- a) as opposed to what I have said
b) despite what I have said
c) in addition to what I have said
d) contrary to what I have said
- 5) Define $[x]$ as the greatest integer less than or equal to x , for each $x \in (-\infty, \infty)$. If $y = [x]$, then area under y for $x \in [1, 4]$ is (2020)
- a) 1
b) 3
c) 4
d) 6
- 6) Crowd funding deals with mobilisation of funds for a project from a large number of people, who would be willing to invest smaller amounts through web-based platforms in the project.
Based on the above paragraph, which of the following is correct about crowd funding? (2020)
- a) Funds raised through unwilling contributions on web-based platforms.
b) Funds raised through large contributions on web-based platforms.
c) Funds raised through coerced contributions on web-based platforms.
d) Funds raised through voluntary contributions on web-based platforms.
- 7) P , Q , R and S are to be uniquely coded using α and β . If P is coded as $\alpha\alpha$ and Q as $\alpha\beta$, then R and S , respectively, can be coded as (2020)

- a) $\beta\alpha$ and $\alpha\beta$
 b) $\beta\beta$ and $\alpha\alpha$

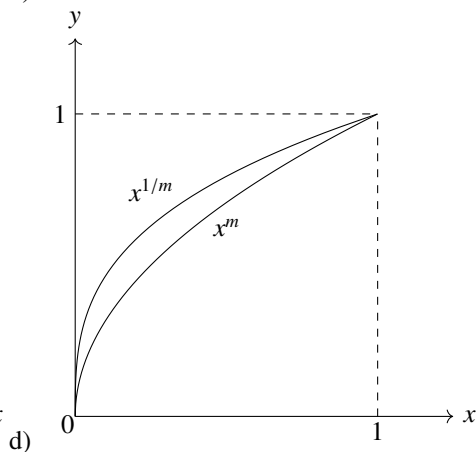
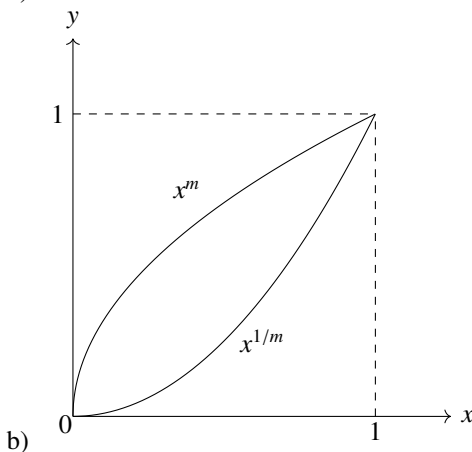
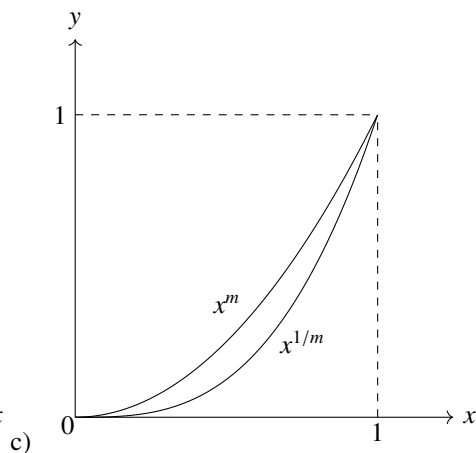
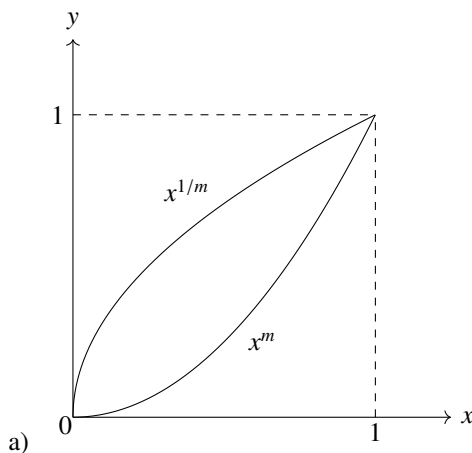
- c) $\alpha\beta$ and $\beta\beta$
 d) $\beta\alpha$ and $\beta\beta$

8) The sum of the first n terms in the sequence 8, 88, 888, 888, ... is _____. (2020)

a) $\frac{81}{80}(10^n - 1) + \frac{9}{8}n$
 b) $\frac{81}{80}(10^n - 1) - \frac{9}{8}n$

c) $\frac{80}{81}(10^n - 1) + \frac{8}{9}n$
 d) $\frac{80}{81}(10^n - 1) - \frac{8}{9}n$

9) Select the graph that schematically represents BOTH $y = x^m$ and $y = x^{1/m}$ properly in the interval $0 \leq x \leq 1$, for integer values of m , where $m > 1$. (2020)



10) The bar graph shows the data of the students who appeared and passed in an examination for four schools P , Q , R and S . The average of success rates (in percentage) of these four schools is _____. (2020)

