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No. of Questions – 25

No. of Printed Pages – 3

VU-90-Jyot.Shas.

d [aö>Cnrbü|| n|| narj m**2019**

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g₊ : 3¼ KÊC

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n arj nW@ : g m n {ZX} m

- 1) $\text{na} \int \text{r} \text{W} \text{e} : \text{g d} \text{e} \text{W} \text{S} \text{d} \text{a} \text{i} \text{Zn} \int \text{m} [\text{a} \text{Zr} \text{m} \text{S} \text{m} \text{A} \{ \text{Zd} \text{r} \int \text{e} : \text{b} \text{e} \int \text{m} \&$
- 2) $\text{g d} \text{e} \text{a} \int \text{Zm} \text{A} \{ \text{Zd} \text{r} \int \text{e} \&$
- 3) $\text{g d} \int \text{r} \text{a} \int \text{Zr} \text{Zm} \text{I} \text{w} \text{a} \text{r} \text{e} \int \text{I} \text{w} \text{a} \text{r} \text{p} \text{VH} \text{S} \int \text{r} \text{h} \text{d} \text{b} \text{b} \text{Zr} \int \text{r} \text{Z} \&$
- 4) $\text{EH} \text{S} \int \text{r} \text{a} \int \text{Zn} \int \text{g d} \} ^ \wedge \text{r} \text{d} \text{m} \text{EH} \text{S} \text{Ed} \text{b} \text{b} \text{Zr} \int \text{m} \&$
- 5) $\text{g d} \int \text{a} \int \text{Zm} \text{g} \text{SH} \text{W} \text{r} \text{u} \int \text{Z} \text{C} \text{r} \text{a} \text{U} \int \text{m} \&$

$$\text{à} \text{à} \text{Z} \text{ n} \text{ H} \text{Z} \text{ n} \text{ Z} \text{H} \{ \text{b} \text{E} \cdot \text{h} \text{m} \} \text{H} \text{Z}$$

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[Turn Over

hmg oHStQE

- 1) $\int_0^1 x^2 dx$ ର ମୂଲ୍ୟ $\frac{1}{3}$ କି $\frac{2}{3}$? [½]
- 2) $\sin^{-1}(\frac{1}{\sqrt{2}})$ ର ମୂଲ୍ୟ $\frac{\pi}{4}$ କି $\frac{\pi}{6}$? [½]
- 3) $\log_2 8$ ର ମୂଲ୍ୟ କେତେ? [½]
- 4) $\frac{d}{dx} \sin x$ ର ମୂଲ୍ୟ କେତେ? [½]
- 5) $e^{\ln 2}$ ର ମୂଲ୍ୟ କେତେ? [½]
- 6) $\cos(\frac{\pi}{2})$ ର ମୂଲ୍ୟ କେତେ? [1]
- 7) $\frac{1}{x^2}$ ର $x=1$ ରେ ଟ୍ୟାଞ୍ଜେଣ୍ଟ ର ସମୀକରଣ କି? [1]
- 8) $\sin(\frac{\pi}{6})$ ର ମୂଲ୍ୟ କେତେ? [½]
- 9) $\frac{d}{dx} \cos x$ ର ମୂଲ୍ୟ କେତେ? [½]
- 10) $\log_2 16$ ର ମୂଲ୍ୟ କେତେ? [½]
- 11) $\frac{d}{dx} \log_2 x$ ର ମୂଲ୍ୟ କେତେ? [½]
- 12) $\sin(\frac{\pi}{3})$ ର ମୂଲ୍ୟ କେତେ? [½]
- 13) $x^2 + 7x - 2$ ର $x=1$ ରେ ମୂଲ୍ୟ କେତେ? [½]
- 14) $(4x - 6)^2$ ର $x=1$ ରେ ମୂଲ୍ୟ କେତେ? [½]
- 15) $\frac{1}{x}$ ର $x=2$ ରେ ମୂଲ୍ୟ କେତେ? [½]
- 16) $x^4 + 6x^3 + 25x^2 + 48x + 64$ ର $x=2$ ରେ ମୂଲ୍ୟ କେତେ? [½]
- 17) $\sin^{-1}(\frac{1}{2})$ ର ମୂଲ୍ୟ କେତେ? [½]
- 18) $\frac{d}{dx} \log_2 x$ ର ମୂଲ୍ୟ କେତେ? [½]
- 19) $\frac{d}{dx} \sin x$ ର ମୂଲ୍ୟ କେତେ? [½]
- 20) $\log_2 16$ ର ମୂଲ୍ୟ କେତେ? [½]

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