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Date :15-10-2018 18:40:04

Total Marks :12/360

Q. No.1

phy q 4

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :A

Correct Answer: A

Solution: pol

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Q. No.2

phy q 3

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :A

Correct Answer: A

Solution: pol

.....

Q. No.3

Which of the following occurs only in humans?

(A) Rabies

(B) Malaria

(C) Anthrax

(D) Mumps

Selected Answer :A

Correct Answer: A

Solution: pol

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Q. No.4

AIDS virus has

(A) single stranded DNA

- (B) single stranded RNA
- (C) double stranded DNA
- (D) double stranded RNA

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.5

phy q 7

- (A) p 1
- (B) p2
- (C) p3
- (D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.6

phy q 3

- (A) p 1
- (B) p2
- (C) p3
- (D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.7

phy q 3

- (A) p 1
- (B) p2
- (C) p3
- (D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.8

Adenoma refers to cancer of

- (A) glands
- (B) blood

(C) muscles

(D) lymph nodes

Selected Answer :NULL

Correct Answer: B

Solution: pol

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Q. No.9

phy q 2

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.10

Which of the following diseases is associated with smoking?

(A) Bronchitis

(B) Emphysema

(C) Lung cancer

(D) All of these

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.11

Infection of Ascaris occurs by

(A) tse tse fly

(B) mosquito bite

(C) imperfectly cooked pork

(D) contaminated food and water

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.12

phy q 3

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.13

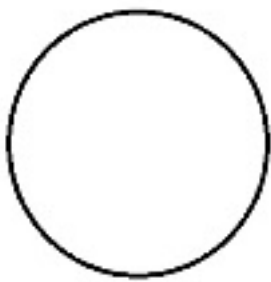
What is H₂O?

(A) water

(B) kerosene

(C) phenolphthalein

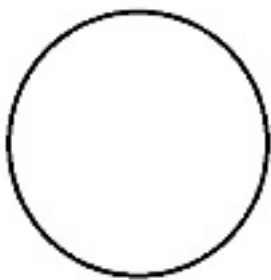
(D) None of the above



Selected Answer :NULL

Correct Answer: A

Solution: H₂O stands for water



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Q. No.14

phy q 3

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.15

Which one of the following statements is correct with respect to AIDS?

- (A) The causative HIV retrovirus enters helper T-lymphocytes thus reducing their numbers
- (B) The HIV can be transmitted through eating food together with an infected person
- (C) Drug addicts are least susceptible to HIV infection.
- (D) AIDS patients are being fully cured cent per cent with proper care and nutrition.

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.16

Which organ in the body is most affected by excessive intake of alcohol?

- (A) Liver
- (B) Intestines
- (C) Lungs
- (D) Spleen

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.17

The substance that causes addiction to tobacco is

- (A) nicotine
- (B) cocaine
- (C) caffeine
- (D) none of these

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.18

phy q 6

- (A) p 1
- (B) p2
- (C) p3
- (D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.19

Which of the following disease is not transmitted through contaminated water?

- (A) Typhoid
- (B) Diphtheria
- (C) Hepatitis A
- (D) Amoebiasis

Selected Answer :NULL

Correct Answer: A

Solution: pol

.....

Q. No.20

phy q 3

- (A) p 1
- (B) p2
- (C) p3
- (D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.21

Common cold is not cured by antibiotics because it is

- (A) caused by a virus
- (B) caused by a Gram-positive bacterium
- (C) caused by Gram-negative bacterium
- (D) Not an infectious disease

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.22

BCG stands for

- (A) Bacterio-chemical gangrene
- (B) Bacteria culture growth
- (C) Bacillus Calmette Gurein
- (D) Bacterial cell genome

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.23

The spread of cancerous cells to distant sites is termed

- (A) metastasis
- (B) metachrosis
- (C) metagenesis
- (D) metamorphosis

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.24

phy q 1

- (A) p 1
- (B) p2
- (C) p3
- (D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.25

The effect of alcohol on the CNS is as a

- (A) stimulant
- (B) promoter
- (C) depressant
- (D) transmitter

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.26

Mantoux test is for

- (A) scarlet fever
- (B) diphtheria
- (C) rheumatoid fever
- (D) tuberculosis

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.27

phy q 5

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

.....

Q. No.28

phy q 3

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.29

Which of the following diseases is not transmitted by houseflies?

(A) Cholera

(B) Typhoid

(C) Dysentery

(D) Yellow fever

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.30

Ringworm in humans is caused by

(A) Viruses

(B) Bacteria

(C) Fungi

(D) Nematodes

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.31

What is ch 14

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.32

What is ch 15

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.33

What is ch 18

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.34

What is ch 5

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.35

What is ch

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.36

What is ch 10

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.37

What is ch 25

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.38

What is ch 1

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.39

Which theory arguments that life on earth came from outer space?

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.40

What is ch 2

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.41

What is ch 8

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.42

What is ch 3

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.43

What is ch 27

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.44

What is ch 26

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.45

What is ch 22

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.46

What is ch 24

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.47

What is ch 4

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.48

What is ch 7

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.49

What is ch 16

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.50

What is ch 17

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.51

What is ch 28

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.52

Who discarded the theory of spontaneous generation forever?

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.53

What is ch 11

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.54

What is ch 6

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.55

What is ch 23

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

Q. No.56

What is ch 20

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

Q. No.57

What is ch 12

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

Q. No.58

What is ch 19

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

Q. No.59

What is ch 21

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.60

What is ch 9

- (A) ch
- (B) ch1
- (C) ch2
- (D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.61

5

$$\int (1 + 2x(\tan x + \sec x))^{\frac{1}{2}} dx =$$

- (A) a
- (B) b
- (C) c
- (D) d

- (a) $\log|\sec x + \tan x| - \log|\sec x| + c$ (b) $\log|\sec x + \tan x| + \log|\sec x| + c$
(c) $\log|\sec x + \tan x| - 2\log|\sec x| + c$ (d) $\log|\sec x + \tan x| + 2\log|\sec x| + c$

Selected Answer :NULL

Correct Answer: B

Solution:

$$\int (\sec x + \tan x) dx$$

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Q. No.62

3

$$\int (3x^2 - 5)^2$$

- (A) a
- (B) b
- (C) c
- (D) d

Selected Answer :NULL

- (a) $\frac{9x^5}{5} + 10x^3 + 25x + c$ (b) $\frac{9x^5}{5} - 10x^3 + 25x + c$
 (c) $\frac{9x^5}{5} + 10x^3 - 25x + c$ (d) $\frac{9x^5}{5} - 10x^3 - 25x + c$

Correct Answer: B

Solution:

Q. No.63

math q 21

- (A) m1
 (B) m2
 (C) m3
 (D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.64

5

$$\int x^2 \left(1 - \frac{2}{x}\right)^2 dx =$$

- (A) a
 (B) b
 (C) c
 (D) d

- (a) $\frac{x^3}{3} + 2x^2 + 4x + c$ (b) $\frac{x^3}{3} - 2x^2 + 4x + c$
 (c) $\frac{x^3}{3} + 2x^2 - 4x + c$ (d) $\frac{x^3}{3} - 2x^2 - 4x + c$

Selected Answer :NULL

Correct Answer: B

Solution:

$$\int (x^2 - 4x + 4) dx$$

Q. No.65

17

$$\int \frac{3}{\sqrt{7x-2} - \sqrt{7x-5}} dx =$$

- (A) a
(B) b
(C) c
(D) d

(a) $\frac{2}{21}(\sqrt{(7x-2)^3} + \sqrt{(7x-5)^3}) + c$ (b) $\frac{2}{21}(\sqrt{(7x-2)^3} - \sqrt{(7x-5)^3}) + c$
(c) $\frac{1}{21}(\sqrt{(7x-2)^3} + \sqrt{(7x-5)^3}) + c$ (d) $\frac{1}{21}(\sqrt{(7x-2)^3} - \sqrt{(7x-5)^3}) + c$

Selected Answer :NULL

Correct Answer: A

Solution:

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Q. No.66

math q 3

- (A) m1
(B) m2
(C) m3
(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.67

3

$$\int \frac{\sin 2x}{\cos^4 x - \sin^4 x} dx =$$

- (A) a
(B) b
(C) c
(D) d

Selected Answer :NULL

Correct Answer: B

Solution:

$$\int \tan 2x = \frac{\log |\sec 2x|}{2} + c$$

(a) $\frac{\log|\cos 2x|}{2} + c$

(b) $\frac{\log|\sec 2x|}{2} + c$

(c) $\frac{\log|\cos 2x|}{4} + c$

(d) $\frac{\log|\sec 2x|}{4} + c$

Q. No.68

24

$$\int \frac{(x+1)^2}{x(x^2+1)} dx =$$

(A) a

(B) b

(C) c

(D) d

(a) $\log|x| + c$ (b) $\log|x| + 2\tan^{-1}x + c$

(c) $-\log|x^2+1| + c$ (d) $\log|x(x^2+1)| + c$

Selected Answer :NULL

Correct Answer: B

Solution:

Q. No.69

math q 31

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.70

22

$$\int \frac{x^2}{x^2+4} dx =$$

(A) a

- (B) b
(C) c
(D) d

(a) $x - 2 \tan^{-1} \left(\frac{x}{2} \right) + c$ (b) $x + 2 \tan^{-1} \left(\frac{x}{2} \right) + c$
(c) $x - 4 \tan^{-1} \left(\frac{x}{2} \right) + c$ (d) $x + 4 \tan^{-1} \left(\frac{x}{2} \right) + c$

Selected Answer :NULL

Correct Answer: A

Solution: Directly introduce denominator to numerator

Q. No.71

math q 19

- (A) m1
(B) m2
(C) m3
(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.72

14

$$\int \frac{dx}{1 - \cot x} =$$

- (A) a
(B) b
(C) c
(D) d

(a) $-\frac{1}{2} (x + \log |\sin x - \cos x|) + c$ (b) $-\frac{1}{2} (x - \log |\sin x - \cos x|) + c$
(c) $\frac{1}{2} (x + \log |\sin x - \cos x|) + c$ (d) $\frac{1}{2} (x - \log |\sin x - \cos x|) + c$

Selected Answer :NULL

Correct Answer: C

Solution:

$$\int \frac{\sin x}{\sin x - \cos x} dx$$

Q. No.73

math q 11

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.74

math q 33

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.75

math q 16

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.76

math q 10

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.77

1

$$\int \frac{dx}{\cos x(1 - \cos x)} =$$

(A) a

(B) b

(C) c

(D) d

$$(a) \log |\sec x + \tan x| - \tan\left(\frac{x}{2}\right) + c \quad (b) \log |\sec x + \tan x| + \tan\left(\frac{x}{2}\right) + c$$

$$(c) \log |\sec x + \tan x| - \cot\left(\frac{x}{2}\right) + c \quad (d) \log |\sec x + \tan x| + \cot\left(\frac{x}{2}\right) + c$$

Selected Answer :NULL

Correct Answer: C

Solution:

$$\int \frac{1 - \cos x + \cos x}{\cos x (1 - \cos x)} dx$$

Q. No.78

math q 5

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.79

math q 14

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.80

8

$$\int \frac{ax^3 + bx^2 + c}{x^4} dx =$$

(A) a

(B) b

(C) c

(D) d

$$(a) \ a \log|x| + \frac{b}{x} + \frac{c}{3x^3} + c_1 \quad (b) \ a \log|x| + \frac{b}{x} - \frac{c}{3x^3} + c_1$$

$$(c) \ a \log|x| - \frac{b}{x} - \frac{c}{3x^3} + c_1 \quad (d) \ a \log|x| - \frac{b}{x} + \frac{c}{3x^3} + c_1$$

Selected Answer :NULL

Correct Answer: C

Solution:

Q. No.81

math q 29

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.82

18

$$\int \frac{2x}{(2x+1)^2} dx =$$

(A) a

(B) b

(C) c

(D) d

(a) $\frac{1}{2} \log|2x+1| + \frac{1}{2(2x+1)} + c$ (b) $\frac{1}{2} \log|2x+1| - \frac{1}{2(2x+1)} + c$

(c) $2 \log|2x+1| + \frac{1}{2(2x+1)} + c$ (d) $2 \log|2x+1| - \frac{1}{2(2x+1)} + c$

Selected Answer :NULL

Correct Answer: A

Solution:

Q. No.83

15

$$\int \frac{dx}{2+3 \tan x} =$$

(A) a

(B) b

(C) c

(D) d

(a) $\frac{1}{13} (2x + 3 \log|2 \cos x + 3 \sin x|) + c$ (b) $\frac{1}{13} (2x - 3 \log|2 \cos x + 3 \sin x|) + c$

(c) $\frac{1}{13} (x + 3 \log|2 \cos x + 3 \sin x|) + c$ (d) $\frac{1}{13} (x - 3 \log|2 \cos x + 3 \sin x|) + c$

Selected Answer :NULL

Correct Answer: A

Solution:

$$\int \frac{\cos x}{2 \cos x + 3 \sin x} dx.$$

Use form $\int \frac{a \sin x + b \cos x}{c \sin x + d \cos x} dx$

Q. No.84

math q 23

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.85

math q 37

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.86

10

$$\int \frac{\cos(x-a)}{\cos(x-b)} dx =$$

(A) a

(B) b

(C) c

(D) d

(a) $x \cos(a-b) + \sin(a-b) \log |\cos(x-b)| + c$

(b) $x \cos(a-b) - \sin(a-b) \log |\cos(x-b)| + c$

(c) $x \cos(a+b) + \sin(a+b) \log |\cos(x-b)| + c$

(d) $x \cos(a+b) - \sin(a+b) \log |\cos(x-b)| + c$

Selected Answer :NULL

Correct Answer: B

Solution:

$$\int \frac{\cos[(x-b) - (a-b)]}{\cos(x-b)} dx$$

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Q. No.87

math q 12

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.88

2

$$\int \left(\frac{1}{x\sqrt{x}} - \frac{2}{x^2\sqrt{x}} + \frac{3}{x^3\sqrt{x}} - \frac{4}{x^4\sqrt{x}} \right) dx =$$

(A) a

(B) b

(C) c

(D) d

(a) $\frac{8}{7x^3\sqrt{x}} + \frac{6}{5x^2\sqrt{x}} + \frac{4}{3x\sqrt{x}} + \frac{2}{\sqrt{x}} + c$

(b) $\frac{8}{7x^3\sqrt{x}} + \frac{6}{5x^2\sqrt{x}} - \frac{4}{3x\sqrt{x}} - \frac{2}{\sqrt{x}} + c$

(c) $\frac{8}{7x^3\sqrt{x}} - \frac{6}{5x^2\sqrt{x}} + \frac{4}{3x\sqrt{x}} - \frac{2}{\sqrt{x}} + c$

(d) $\frac{8}{7x^3\sqrt{x}} - \frac{6}{5x^2\sqrt{x}} - \frac{4}{3x\sqrt{x}} + \frac{2}{\sqrt{x}} + c$

Selected Answer :NULL

Correct Answer: C

Solution:

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Q. No.89

10

$$\int \left(\frac{1}{(6x-5)^4} - \frac{1}{(8-3x)^9} \right) dx =$$

(A) a

- (B) b
(C) c
(D) d

$$\begin{array}{ll} \text{(a)} \quad \frac{1}{18(6x-5)^3} + \frac{1}{24(8-3x)^8} + c & \text{(b)} \quad \frac{1}{18(6x-5)^3} - \frac{1}{24(8-3x)^8} + c \\ \text{(c)} \quad \frac{-1}{18(6x-5)^3} - \frac{1}{24(8-3x)^8} + c & \text{(d)} \quad \frac{-1}{18(6x-5)^3} + \frac{1}{24(8-3x)^8} + c \end{array}$$

Selected Answer :NULL

Correct Answer: C

Solution:

Q. No.90

16

$$\int \frac{dx}{\sqrt{3x+5} - \sqrt{3x+2}} =$$

- (A) a
(B) b
(C) c
(D) d

$$\begin{array}{ll} \text{(a)} \quad \frac{1}{27} \left(\sqrt{(\sqrt{3x+5})^3} - \sqrt{(3x+2)^3} \right) + c & \text{(b)} \quad \frac{1}{27} \left(\sqrt{(\sqrt{3x+5})^3} + \sqrt{(3x+2)^3} \right) + c \\ \text{(c)} \quad \frac{2}{27} \left(\sqrt{(\sqrt{3x+5})^3} - \sqrt{(3x+2)^3} \right) + c & \text{(d)} \quad \frac{2}{27} \left(\sqrt{(\sqrt{3x+5})^3} + \sqrt{(3x+2)^3} \right) + c \end{array}$$

Selected Answer :NULL

Correct Answer: D

Solution: