

JEE Report

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Date :15-10-2018 18:06:25

Total Marks :-25/360

Q. No.1

phy q 3

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :A

Correct Answer: A

Solution: pol

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Q. No.2

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.3

Adenoma refers to cancer of

(A) glands

(B) blood

(C) muscles

(D) lymph nodes

Selected Answer :A

Correct Answer: B

Solution: pol

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Q. No.4

BCG stands for

(A) Bacterio-chemical gangrene

- (B) Bacteria culture growth
- (C) Bacillus Calmette Gurein
- (D) Bacterial cell genome

Selected Answer :A

Correct Answer: A

Solution: pol

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Q. No.5

Infection of Ascaris occurs by

- (A) tse tse fly
- (B) mosquito bite
- (C) imperfectly cooked pork
- (D) contaminated food and water

Selected Answer :A

Correct Answer: A

Solution: pol

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Q. No.6

phy q 6

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

Selected Answer :A

Correct Answer: A

Solution: pol

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Q. No.7

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 :A

Correct Answer: A

Solution: pol

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Q. No.8

Which of the following diseases is associated with smoking?

- (A) Bronchitis
- (B) Emphysema

(C) Lung cancer

(D) All of these

Selected Answer :A

Correct Answer: A

Solution: pol

Q. No.9

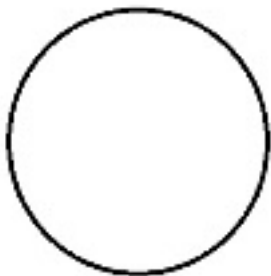
What is H₂O?

(A) water

(B) kerosene

(C) phenolphthalein

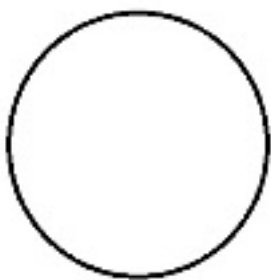
(D) None of the above



Selected Answer :A

Correct Answer: A

Solution: H₂O stands for water



Q. No.10

phy q 3

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :A

Correct Answer: A

Solution: pol

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Q. No.11

phy q 7

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :A

Correct Answer: A

Solution: pol

.....

Q. No.12

phy q 8

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :A

Correct Answer: A

Solution: pol

.....

Q. No.13

AIDS virus has

(A) single stranded DNA

(B) single stranded RNA

(C) double stranded DNA

(D) double stranded RNA

Selected Answer :A

Correct Answer: A

Solution: pol

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Q. No.14

The effect of alcohol on the CNS is as a

(A) stimulant

(B) promoter

(C) depressant

(D) transmitter

Selected Answer :A

Correct Answer: A

Solution: pol

Q. No.15

phy q 3

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

Q. No.16

phy q 4

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

Q. No.17

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

Q. No.18

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.19

Which of the following diseases is not caused by virus?

- (A) AIDS
- (B) Rabies
- (C) Mumps
- (D) Tuberculosis

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.20

Minamata disease is caused by due to contamination of

- (A) fish with mercury
- (B) mustard oil with argemone oil
- (C) fish with DDT
- (D) none of these

Selected Answer :NULL

Correct Answer: A

Solution: pol

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Q. No.21

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

.....

Q. No.22

phy q 3

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

Selected Answer :NULL

Correct Answer: A

Solution: pol

.....

Q. No.23

phy q 3

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

.....

Q. No.24

Blood cancer is called

(A) thrombosis

(B) leukaemia

(C) haemolysis

(D) haemophilia

Selected Answer :NULL

Correct Answer: A

Solution: pol

.....

Q. No.25

phy q 2

(A) p 1

(B) p2

(C) p3

(D) p4

Selected Answer :NULL

Correct Answer: A

Solution: pol

.....

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

.....

Q. No.27

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.28

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

.....

Q. No.29

phy q 5

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

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 6

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.32

What is ch 28

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.33

What is ch 14

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.34

What is ch 3

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.35

What is ch 9

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.36

What is ch 27

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.37

What is ch 29

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.38

What is ch

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.39

What is ch 5

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.40

What is ch 8

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.41

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.42

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.43

What is ch 26

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.44

What is ch 13

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.45

What is ch 23

(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 1

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.47

What is ch 11

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.48

What is ch 18

(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 21

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.50

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.51

What is ch 20

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.52

What is ch 16

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.53

What is ch 12

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

.....

Q. No.54

What is ch 15

(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 24

(A) ch

(B) ch1

(C) ch2

(D) cg

Selected Answer :NULL

Correct Answer: A

Solution: sa

Q. No.56

What is ch 7

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

Selected Answer :NULL

Correct Answer: A

Solution: sa

Q. No.57

What is ch 22

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

Selected Answer :NULL

Correct Answer: A

Solution: sa

Q. No.58

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.59

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.60

What is ch 4

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

Selected Answer :NULL

Correct Answer: A

Solution: sa

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Q. No.61

math q 26

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

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.62

19

$$\int \frac{x+2}{(x+1)^3} dx =$$

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

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

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

Selected Answer :NULL

Correct Answer: B

Solution:

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Q. No.63

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.64

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:

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Q. No.65

math q 10

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.66

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:

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

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Q. No.67

math q 5

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.68

16

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

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

(a) $\frac{1}{27} \left(\sqrt{(\sqrt{3x+5})^3} - \sqrt{(3x+2)^3} \right) + c$ (b) $\frac{1}{27} \left(\sqrt{(\sqrt{3x+5})^3} + \sqrt{(3x+2)^3} \right) + c$
(c) $\frac{2}{27} \left(\sqrt{(\sqrt{3x+5})^3} - \sqrt{(3x+2)^3} \right) + c$ (d) $\frac{2}{27} \left(\sqrt{(\sqrt{3x+5})^3} + \sqrt{(3x+2)^3} \right) + c$

Selected Answer :NULL

Correct Answer: D

Solution:

Q. No.69

6

$$\int \tan(x - \alpha) \tan(x + \alpha) \tan 2x \, dx =$$

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

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

Selected Answer :NULL

Correct Answer: A

Solution:

$$\tan 2x = \tan [(x-\alpha) + (x+\alpha)]$$

Q. No.70

14

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

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

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

Selected Answer :NULL

Correct Answer: A

Solution:

Q. No.71

math q 6

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

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.72

math q 19

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

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.73

20

$$\int \frac{x^2 + x - 6}{(x-2)(x-1)} dx =$$

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

- (a) $x + 2\log |x - 1| + c$
- (b) $2x + 2\log |x - 1| + c$
- (c) $2x + 4\log |x - 1| + c$
- (d) $x + 4\log |x - 1| + c$

Selected Answer :NULL

Correct Answer: D

Solution:

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Q. No.74

math q 15

- (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 14

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

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.76

11

$$\int \left((2x+5)^7 + \frac{1}{(7-2x)^5} \right) dx =$$

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

(a) $\frac{(2x+5)^8}{16} + \frac{1}{8(7-2x)^4} + c$ (b) $\frac{(2x+5)^8}{16} - \frac{1}{8(7-2x)^4} + c$
(c) $\frac{(2x+5)^8}{8} + \frac{1}{4(7-2x)^4} + c$ (d) $\frac{(2x+5)^8}{8} - \frac{1}{4(7-2x)^4} + c$

Selected Answer :NULL

Correct Answer: A

Solution:

Q. No.77

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:

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

Q. No.78

math q 25

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.79

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.80

math q 1

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.81

math q 35

(A) m1

(B) m2

(C) m3

(D) m4

Selected Answer :NULL

Correct Answer: A

Solution: maths

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Q. No.82

23

(A) a

$$\int \frac{x + \sqrt{1-x^2}}{x\sqrt{1-x^2}} dx =$$

(B) b

(C) c

(D) d

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

(c) $\sin^{-1} x - \log x + c$ (d) $\sin^{-1} x + \log x + c$

Selected Answer :NULL

Correct Answer: D

Solution:

Q. No.83

3

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

(A) a

(B) b

(C) c

(D) d

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

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

Selected Answer :NULL

Correct Answer: B

Solution:

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

Q. No.84

7

(A) a

$$\int \frac{\sin 2x}{\sin\left(x - \frac{\pi}{6}\right) \sin\left(x + \frac{\pi}{6}\right)} dx =$$

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

(a) $\log\left|\cos\left(x + \frac{\pi}{6}\right)\right| - \log\left|\cos\left(x - \frac{\pi}{6}\right)\right| + c$ (b) $\log\left|\cos\left(x + \frac{\pi}{6}\right)\right| + \log\left|\cos\left(x - \frac{\pi}{6}\right)\right| + c$

(c) $\log\left|\sin\left(x + \frac{\pi}{6}\right)\right| - \log\left|\sin\left(x - \frac{\pi}{6}\right)\right| + c$ (d) $\log\left|\sin\left(x + \frac{\pi}{6}\right)\right| + \log\left|\sin\left(x - \frac{\pi}{6}\right)\right| + c$

Selected Answer :NULL

Correct Answer: D

Solution:

$$\sin\left[\left(x - \frac{\pi}{6}\right) + \left(x + \frac{\pi}{6}\right)\right]$$

Q. No.85

math q 36

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

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.86

math q 37

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

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.87

8

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

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

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

Selected Answer :NULL

Correct Answer: A

Solution:

$$\begin{aligned} & \sin x \cdot \cos a - \cos x \cdot \sin a \\ & x \cos a - \sin a \log |\sin x| + c \end{aligned}$$

Q. No.88

math q 4

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

Selected Answer :NULL

Correct Answer: A

Solution: maths

Q. No.89

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.90

1

$$\int \left(\frac{3\sqrt{x}}{2} + \frac{5x\sqrt{x}}{2} + \frac{7x^2\sqrt{x}}{2} - \frac{9x^3\sqrt{x}}{2} \right) dx =$$

(A) a

(B) b

(C) c

(D) d

(a) $x\sqrt{x}(1+x+x^2+x^3)+c$ (b) $x\sqrt{x}(1+x+x^2-x^3)+c$

(c) $x\sqrt{x}(1-x+x^2-x^3)+c$ (d) $x\sqrt{x}(1+x-x^2-x^3)+c$

Selected Answer :NULL

Correct Answer: D

Solution:

$$I = x\sqrt{x} + x^2\sqrt{x} - x^3\sqrt{x} - x^4\sqrt{x} + C$$