

Note: Time allowed for Section - B and Section C is 3 hours and 45 minutes.



Name \_\_\_\_\_

Section - B

Roll No. \_\_\_\_\_

1. اول کے لئے 4 نیٹ ورکس، بیکار کا 4 نیٹ ورک، FOUR میں۔

2. دوڑوں کو ڈین (بھرنے) کے لئے 4 نیٹ ورک کا کارکر استعمال کریں۔

3. جواب میں ایک سے زائد رائے بھرنے سے جواب ملکہ صورت میں 4 marks ملے جائیں۔

Time Allowed: 15 Minutes

SECTION A

Marks : 12

One Newton per one square meter is equal to .....

1 joule

1 watt

$$\left\{ \begin{array}{l} 1 \text{ Pascal} \\ 1 \text{ N} \end{array} \right.$$

ایک نیون نیں ایک مریخ میلہ، اور اسے .....

جول کے اوات کے سمجھ کے

The temperature of a normal human body is .....

37°C

0°C

$$\frac{83}{(d+e)}$$

$$32^{\circ}\text{F}$$

$$89^{\circ}\text{F}$$

Thermal conductivity of silver is ..... W.K<sup>-1</sup>. m<sup>-1</sup>

3 430

400

$$\frac{83}{x}$$

$$x$$

$$84$$

Dark rough surfaces are generally good for.....

4 گہرے رنگ کی سطح..... حرارت کیلئے اچھی ہوئی ہے۔

Reflection

Radiation

except

Convection

5 Work wise torque is taken....

5 Zero

C

Negative

Parallel

6 The value of "g" at moon surface is .....

6 0.162

Find three consecutive odd integers whose sum is 162.

Find the solution set of  $16x - 15 = 4$

$$x = 1$$

$$1$$

7 When a candle burns then chemical energy is transferred to .....

7 Heat

Electrical

Light

both

8 Consider a DKLW, when  $LK = 4.8 \text{ cm}$ ,  $WL = 5.2 \text{ cm}$  and  $WK = 4.6 \text{ cm}$ . Also draw their suitable diagram to find the ratio of the lengths of the four sides of the parallelogram.

8 اپنے دوں

9 The diameter of an atomic nucleus is about .....

9  $1 \times 10^{-14} \text{ m}$

$1 \times 10^{-15} \text{ m}$

$$\frac{83}{(d+e)} \times 10^{-16} \text{ m}$$

$$1 \times 10^{-18} \text{ m}$$

10 The prefix MICO means a factor of .....

10  $10^{-6}$

$10^{-9}$

$$\frac{83}{(d+e)} 10^{-12}$$

$$10^{-15}$$

11 The study of motion of bodies under the action of a force is called .....

11 Mechanics

Kinematics

$A + B + C + D - E - F - G - H$

Dynamics

12 A ball of mass 2 kg is thrown vertically upwards with an initial velocity of 10 m/sec. Find the initial potential energy of the ball.

12  $1 \text{ watt}$

1 joule

$$\frac{83}{(d+e)} \text{ Newton}$$

$$1 \text{ Pascal}$$

13 A ball of mass 2 kg is thrown vertically upwards with an initial velocity of 10 m/sec. Find the initial potential energy of the ball.

13 انہیں

انہیں

$$\frac{83}{(d+e)} \text{ اپاکل}$$

$$1 \text{ اپاکل}$$

PR IX (O) 18

**Mathematics (New)**

9<sup>th</sup> (Final) Result

Note: Time allowed for Section - B and Section - C is half an hour.



Name \_\_\_\_\_

Roll No. \_\_\_\_\_

Time Allowed: 15 Minutes

**SECTION A**

Marks : 12

$$\text{One Newton per one square meter is equal to .....}$$

1 joule      1 watt      1 Pascal

1N      1 symbol

ایک نیوتن نے ایک مربع میٹر پر ایک بارہ کے مکانیکی سیڑھیاں ادا کیں۔ اس کا نتیجہ 1 نیوتن میلے کی طرف کا کام کا کارکر استعمال کیں۔

Find the value of A using direct method. جواب میں ایک سے زائد اگر بھرنے سے جاب غلط صورت میں Find the value of A using direct method.

- 2 The temperature of a normal human body is .....  37°C  0°K  32°F  89°F
- ایک صحت منداش کا درجہ حرارت ہوتا ہے ..... ۔
- 3 Thermal conductivity of silver is ..... W.K.<sup>-1</sup>. m<sup>-1</sup>  430   $\frac{1}{x}$    $\frac{1}{x^2}$   None of these
- سلور کی حرارتی ایماقیت مقدار ..... W.K.<sup>-1</sup>. m<sup>-1</sup> ۔

Dark rough surfaces are generally good for ..... Reflection      Radiation      Convection

Refraction      Convective heat transfer

4 Work wise torque is taken....  Zero  Negative  Parallel

خالی گھری، دارک ہوتا ہے ..... ۔

- 5 Show that THREE dimensions ALL directions exist simultaneously. Note : A table with three points A(1,3), B(3,4), C(4,5) such that all the dimensions of three dimensions exist simultaneously. ایک اور ترین روتوں .....
- 6 The value of "g" at moon surface is .....  8.6 m/s<sup>2</sup>  9.6 m/s<sup>2</sup>  10.6 m/s<sup>2</sup>  11.6 m/s<sup>2</sup>
- چاند پر لگنے والی گرانٹی اس کی کمی کا کیا میں ..... ۔

When a candle burns then heat energy is transferred to ..... energy.  Heat  Light  Electrical  Biological

دوں اور ترین روتوں .....

7 Consider a DKLW, when  $WL = 4.8 \text{ cm}$ ,  $DL = 5.2 \text{ cm}$  and  $HW = 4.5 \text{ cm}$ . Also show their significance. ایک اور ترین روتوں .....

رائے مکمل ..... (ب) مکمل ..... (ب) مکمل ..... (ب) مکمل .....

Work done will be zero when the angle between force and displacement is .....  45°  60°  90°

(1) The diameter of an atomic nucleus is .....   $1 \times 10^{-14} \text{ m}$    $1 \times 10^{-15} \text{ m}$    $1 \times 10^{-18} \text{ m}$

(a) The prefix MICO means a factor of .....   $10^{-6}$    $10^{-9}$    $10^{-12}$    $10^{-15}$

10 The study of motion of bodies under the action of a force is called ..... Mechanics  Kinematics  Dynamics

(b) under the action of a force, a body moves with uniform velocity. It is called .....  Kinematics  Dynamics  Mechanics

11 The force which acts on a body due to gravitational pull of the earth is called ..... Gravitational force  Gravity  Weight  Thrust

(ii) If a body is projected upwards with initial velocity  $v_0$  at an angle  $\theta$  with horizontal, then the horizontal component of its velocity is .....   $v_0 \cos \theta$    $v_0 \sin \theta$    $v_0 \tan \theta$

(iii) The formula for work done is .....  $W = F \cdot S \cos \theta$    $W = F \cdot S \sin \theta$    $W = F \cdot S \tan \theta$    $W = F \cdot S \cos \theta$

(iv) If a body of mass  $m$  moves with a uniform velocity  $v$  in a straight line, then the kinetic energy of the body is .....  $E_k = \frac{1}{2}mv^2$    $E_k = mv^2$    $E_k = \frac{1}{2}mv^2$    $E_k = mv^2$

(v) If a body of mass  $m$  moves with a uniform velocity  $v$  in a straight line, then the power of the body is .....  $P = Fv$    $P = Fv \cos \theta$    $P = Fv \sin \theta$    $P = Fv \tan \theta$