

CARMEL SCHOOL , MADHUPUR
FIRST UNIT TEST 2025 – 2026

STD: X

PHYSICS

Time: 1 hr
M.M: 50

Section – A(14 Marks)

Q.No(1) Choose the correct answer from the options given below.

(i) A body is acted upon by two unequal forces in opposite directions, but not in the same line. The effect is that:

- (a) the body will only have rotational motion
- (b) the body will only have translational motion
- (c) the body will have neither rotational motion nor translational motion
- (d) the body will have rotational as well as translational motion.

(ii) Centrifugal force is:

- (a) a real force
- (b) the force of reaction of centripetal force
- (c) a fictitious force
- (d) directed towards the centripetal force.

(iii) Assertion (A) : The centre of gravity of an irregularly –Shaped object always lies at its geometric centre.

Reason(R) : The centre of gravity depends on the distribution of mass within an object.

- (a) both A and R are true and R is the correct explanation
- (b) both A and R are true and R is not the correct explanation of A.
- (c) assertion is false but reason is true.
- (d) assertion is true but reason is false.

(iv) The energy of electron is 2.5 eV. When expressed in joule , it is:

- (a) 1.6×10^{-19} J
- (b) 4.0×10^{-19} J
- (c) 3.2×10^{-19} J
- (d) 0

(v) Assertion(A) : When the displacement is normal to the direction of force , the work done is zero.

Reason (R) Work done depends on the angle between force and displacement.

- (a) both A and R are true and R is the current explanation of A.
- (b) both A and R are True and R is not the correct explanation of A.
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- (d) assertion is true but reason is false.

(vi) If there are n movable pulleys with one fixed pulley, the M.A is given by:

- (a) 2^n
- (b) 2^{n+1}
- (c) 2^{n-1}
- (d) 2^{n+2}

(vii) How many strands are supporting the load in case of block and tackle system of 4 pulleys when effort is in the downwards direction?

- (a) 5
- (b) 4
- (c) 3
- (d) 6

(viii) The direction of motion in circular motion:

- (a) in linear
- (b) is along the tangent at that point of the circular path
- (c) towards the centre
- (c) none of these

(ix) When the speed of a moving object is doubled, then its kinetic energy.

- (a) remains the same
- (b) decreases
- (c) is doubled
- (d) becomes four times

[P.T.O]



STD-X

SUB-Hindi

Time -1 Hrs.

M.M.-50

विभाग - 'अ'

प्रश्न1- किन्हीं एकविषय पर 150 शब्दों पत्र लिखिए:-

10

- क- आपका छोटा भाई अपना अधिकांश समय सोशल मीडिया के उपयोग में व्यतीत करता है। सोशल मीडिया से दूर रहने का सुझाव देते हुए उसे पत्र लिखें।
- ख- अपने नगर/क्षेत्र के स्वास्थ्य अधिकारी को पत्र लिखकर अपने क्षेत्र में खाने की वस्तुओं में मिलावट की घटनाओं के प्रति उनका ध्यान आकृष्ट कीजिए।

प्रश्न2- निर्देशानुसार प्रश्नों का उत्तर दीजिए:-

क- विलोम शब्द लिखिए:-

5

अवनि, निर्मल, गरल, उत्थान, कुटिल।

ख- तत्सम शब्द लिखिए:-

5

मक्खी, हाथ, पत्थर, गेहूं, किवाड़।

ग- निम्नशब्दों को शुद्ध कीजिए:-

5

कवित्री, नरायन, समाजीक, रिसि, ग्यान।

विभाग- 'ब'

प्रश्न3- किसी एक अवतरण का उत्तर दीजिए :-

25

"परजिसखी कीमान-प्रतिष्ठा कामें ईश्वर के दरबार में उत्तरदाता हूं, उसके प्रति ऐसा घोरअन्याय और पशुवतव्यवहार असह्य है।"

- क- यह किस तरह की कहानी है? कहानीकार का संक्षिप्त परिचय दीजिए।
- ख- वक्ता कौन है? वक्ता का परिचय दीजिए।
- ग- वक्ता के लिए कौन- सी बात असह्य थी तथा क्यों?
- घ- वक्ता ईश्वर के दरबार में किस बात के लिए उत्तरदाता है और क्यों?
- ङ- अर्थ लिखिए:- पितामह, उद्योग, सजीला, अधिपति, निंदा।

प्रश्न4- जसोदा हरि पालने झुलावै।हलरावै, दुलराई, मल्हावै, जोई- सोई कछु गावै।।मेरे लाल को आउ निंदरिया, काहेनआनिसुवावै।तू काहे नहिं बेगहिंआवै, तो कोकान्ह बुलावै।।

- क- प्रस्तुत पद्य के कवि किस काल के हैं? कवि का संक्षिप्त परिचय दीजिए।
- ख- यहां सूरदास जी ने यशोदा के किस प्रयास का वर्णन किया है?
- ग- श्री कृष्णसोते समय कौन-कौन सी क्रियाएं कर रहे हैं?
- घ- सूरदास ने यशोदा के सूरत के बारे में क्या कहा है, और क्यों ?
- ङ- अर्थ लिखिए:- आनि, सुवावै, बेगहिं, मूंदि, निंदरिया।

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