

Government of the People's Republic of Bangladesh

Ministry of Agriculture

Department of Agricultural Extension

Plant Quarantine Wing

Form IX



PC - 0062795

Place of Issue
HAZRAT SHAHJALAL, DHAKA

PHYTOSANITARY CERTIFICATE

Rule 27(3)

To : The Plant Protection Organization of UK Date Inspected 08-Mar-17

I. Description of the consignment

Name and address of exporter : TANZIM INTERNATIONAL, 48/2, MALAKERTOLA LANE, SUTRAPUR, DHAKA-1100, BANGLADESH.

Declared name and address of consignee : AHMED AND SONS (LONDON) LTD. 197, WALTON ROAD, E.-12,5 RN. U.K

Number and description of packages : 20 CARTONS

Distinguishing mark : S.O

Place of origin : BANGLADESH

Declared means of conveyance : BY AIR

Declared point of entry : BIRMINGHAM, UK

Name of produce and quantity declared : 100(ONE HUNDRED)KGS, FRESH BETEL NUTS

Botanical name of plant : *Areca catechu*

This is to certify that the plants, plant products or other regulated articles described herein have been inspected and/or tested according to appropriate official procedures and are considered to be free from quarantine pests, specified by the importing contracting party and to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests. They are deemed to be practically free from other pests.

II. Additional declaration

III. Disinfestation and/or Disinfection treatment

Date 11 Treatment NULL

Chemical (active ingredient) and concentration NULL

Duration of exposure and temperature NULL

Additional information NULL

VALID FOR SHIPMENT
WITHIN 24 HOURS

WARNING : Any alteration, forgery, or unauthorized use of this phytosanitary certificate is punishable with imprisonment for a term not exceeding 2 (two) years, or with a fine not exceeding 5,00,000 (five lac) or with both. (Section 31 of Plant Quarantine Act, 2011).



Name of authorised officer : Md. Manzurul Hoque
Quarantine Pathologist
Plant Quarantine Station
Date of Issue : 08-Mar-17
Signature : [Signature]
Hazrat Shahjalal Int'l Airport
Dhaka, Bangladesh.

No liability shall be attached to the Ministry of Agriculture or the Department or to any of its Officer or representative with respect to this certificate.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 311

QUESTIONS

NAME

SECTION

DATE

PROBLEM

1. A particle of mass m moves in a circular path of radius r with constant speed v . Find the magnitude of the centripetal force.

2. A block of mass M is pushed up an inclined plane of length L and height h by a force F applied parallel to the incline. Find the work done by F .

3. A spring with spring constant k is stretched by a distance x . Find the work done by the spring force.

4. A particle of mass m moves in a straight line with constant acceleration a . Find the displacement s after time t .

5. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular displacement θ after time t .

6. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the centripetal acceleration a_c .

7. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the centripetal force F_c .

8. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the period T .

9. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the frequency f .

10. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the arc length s .

11. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angle θ .

12. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular displacement θ .

13. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular velocity ω .

14. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular acceleration α .

15. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular displacement θ .

16. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular velocity ω .

17. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular displacement θ .

18. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular velocity ω .

19. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular displacement θ .

20. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular velocity ω .

21. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular displacement θ .

22. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular velocity ω .

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26. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular velocity ω .

27. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular displacement θ .

28. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular velocity ω .

29. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular displacement θ .

30. A particle of mass m moves in a circular path of radius r with constant angular velocity ω . Find the angular velocity ω .