

S.No. : 89

BID 1401

No. of Printed Pages : 03

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 10713

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BID Examination 2021-22

(Even Semester)

INTERIOR SERVICE - II

Time : Three Hours]

[Maximum Marks : 60

Note :- All sections are compulsory.

SECTION - A

1. Attempt all parts of the following : $8 \times 1 = 8$

(a) Electricity is generated by water is known as
.....

(b) Electricity is produced by coal is known as
.....

(c) The unit of power is

(d) Two type of electric current is
and

[P. T. O.]

- (e) C. F. L. stands for
- (f) The unit of electric current and voltage is and respectively.
- (g) metal is the best conductor of electricity used in wires.
- (h) L. E. D. stands for

SECTION – B

2. Attempt any three parts of the following : $3 \times 4 = 12$

- (a) Advantages of conduit and casing wiring.
- (b) Direct and indirect lighting.
- (c) Incandescent lamps.
- (d) Sodium lamps.

SECTION – C

3. Attempt any four parts of the following : $4 \times 10 = 40$

- (a) Explain different types of wiring system.
- (b) Explain different types of lighting in the field of interiors.

- (c) Explain law of illumination when :
- (i) A point source is kept 'r' distance away from the normal planes, which is to be illuminated.
 - (ii) A point source is kept 'r' distance away from plane making an angle of ' θ ' from the normal plane.
- (d) Write short notes on the following :
- (i) Ambient lighting
 - (ii) Concealed lighting
 - (iii) Halogen
 - (iv) Open batten wiring
- (e) An office $30\text{ m} \times 15\text{ m}$ is illuminated by 40 watt fluorescent lamps of lumen output 2700 lumens. The average illumination required at the work-place is 200 lux. Calculate the no's of lamps required to be fitted in the office. Assume coefficient of utilisation to be 0.6 and depreciation factor is 1.25.

