

SAKUNTALA SUDARSAN INSTITUTE OF TECHNOLOGY

1ST INTERNAL, 5TH SEMESTER

TIME – 1 HR, FULL MARK-20

SUBJECT- RAILWAY & BRIDGE ENGINEERING

ANSWER ALL THE QUESTIONS.

[2*5]

1. (a) Explain Tilting of the well foundation?
- (b) What do you mean by Afflux?
- (c) What is Coning of wheel?
- (d) Define fish plate & Spikes?
- (e) List the different types of rail joints?

[5*2]

2. Define permanent way with neat sketch?
3. Write Dickens and Ryve's formula for the determination of flood discharge?

SAKUNTALA SUDARSAN INSTITUTE OF TECHNOLOGY

1ST INTERNAL, 5TH SEMESTER

BRANCH :- CIVIL ENGG. YEAR -3RD

TIME - 1 HR, FULL MARK-20

SUBJECT: ESTIMATION AND COST OF EVALUTION -II

ANSWER ALL INCLUDING QUESTION NO:- 01

NO :-01

(a)What is an estimate?

(b) write full name of the follings :- (0.5×4=2)

(i) U/S

(ii)D/S

(iii) F.S.L.

(iv) H.FL.

(c) Define lead and lift ?

(d) What are the component of slab culvert ?

(e) How syphon aqueduct is work?

NO -02

Estimate the follings items of work of vertical fall in given figure:-

(a)Earth work in excavation.

(b)Cement concrete (1:3:6) in foundations.

(c) Brick pitching with 1:2 cement mortar.

1ST INTERNAL EXAMINATION-2024(SUMMER)
SUBJECT :- HYDRAULIC & IRRIGATION ENGINEERING
BRANCH :- CIVIL ENGG.
SEMESTER - 4TH

TIME-1HR
[F.M.-20]

-: ANSWER ALL QUESTIONS:-

Q-01 Answer all....

[2x5=10]

- A) Define catchment area?
- B) What is rain gauge?
- C) Define specific gravity?
- D) Explain surface tension on a liquid droplet?
- E) Differentiate between advantages and disadvantages of irrigations?

Q-2 Write down the followings...?

[5X2=10]

- (a)(i) Calculate the capillary rise in glass tube of 25mm diameter where immersed vertically in a water or mercury take surface tension of water 0.725N/M or surface tension for mercury 0.5N/M. [3 mark]
- (ii) Calculate the density, specific weight & weight of 1liter of petrol of specific gravity is 0.7. [2 mark]
- (b) Explain hydrologic cycle with neat sketch?

1st INTERNAL EXAMINATION-2024(SUMMER)
SUBJECT - CONSTRUCTION MANAGEMENT
BRANCH - CIVIL ENGG.
SEMESTER - 6TH

TIME-1HR
F.M-20
(2*5)

1. Answer the following questions.

- (a) What is planning ?
- (b) What are the duties of an engineer with respect to construction economy?
- (c) What are the duties of a contractor with respect to construction economy ?
- (d) What is PERT ?
- (e) What is CPM ?

2. Answer all

[5*2]

- (a) Write down the resources for construction management.
- (b) What is the aim and object of construction management ?

1ST INTERNAL EXAMINATION-2024(SUMMER)
SUBJECT - CONSTRUCTION MANAGEMENT
BRANCH - CIVIL ENGG.
SEMESTER - 6TH

TIME-1HR
F.M-20
[2*5]

1. Answer the following questions.

- (a) What is planning ?
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_____ .
[5*2]

- (a) Write down the resources for construction management.
- (b) What is the aim and object of construction management ?

SSIT POLYTECHNIC, KALAKAD, MAYURBHANJ
6th SEMESTER 1st INTERNAL EXAMINATION 2024-2025 (SUMMER)

SUB: - CONSTRUCTION MANAGEMENT

BRANCH:-CIVIL ENGINEERING

1. Answer all Question Given Below : (2x5= 10)

- (i) Write full form of CPM and PERT.
- (ii) Explain Network with diagram.
- (iii) Define construction management.
- (iv) What is funds?
- (v) Planning for construction which following stage?

2. Answer all question given below : (5x2=10)

- (a) Write down the main objectives of construction management.
- (b) Difference between CPM and PERT.