

Construction Management_Past Question Collection

1. If t_o , t_p and t_m are the optimistic, pessimistic and most likely time estimate of an activity respectively, the expected time t of the activity will be:

[Civil Er. 6th 2079/02/21]

A. $\frac{t_o+3t_m+t_p}{2}$

B. $\frac{t_o+4t_m+t_p}{4}$

C. $\frac{t_o+4t_m+t_p}{5}$

D. $\frac{t_o+4t_m+t_p}{6}$

Correct Answer: D

2. Which of the following is activity?

[Civil Er. 6th 2079/02/21]

- A. Concrete cured
- B. Wall plastered
- C. Excavation for foundation
- D. All of these

Correct Answer: C

3. Which of the following element is not necessary for a contract?

[Civil Er. 6th 2079/02/21]

- A. Competent parties
- B. Reasonal terms and conditions
- C. Free consent
- D. Lawful consideration

Correct Answer: B

Explanation:

According to FIDIC contracts require following key elements for enforceability:

- ✓ Offer & Acceptance: A tender is an offer; acceptance must be clear, unconditional, and communicated.
- ✓ Mutual Intent: Both parties must intend to form a legal relationship, determined through conduct and correspondence. Free consent
- ✓ Consideration: Each party must exchange value, typically money for work/services. (फोकटमा काम लिदा दिदा contract हुदैन)
- ✓ Capacity to Contract: Only legally capable and competent parties can enter agreements. (cannot make a contract with a child.)
- ✓ Legality: The contract's purpose and terms must be lawful. (Lawful Consideration)

4. As per the public procurement regulation, minimum time required for tender of NCB contract notice is:

[Civil Er. 6th 2079/02/21]

- A. 15 days
- B. 30 days
- C. 45 days
- D. 60 days

Correct Answer: B

5. Critical path lies along the activities having total float:

[Civil Er. 6th 2079/02/21]

- A. Maximum
- B. Positive
- C. Zero
- D. Negative

Correct Answer: C

6. The oldest forward planning tool is:

[Civil Er. 6th 2079/02/21]

- A. CPM
- B. Bar chart
- C. PERT
- D. LOB

Correct Answer: B

7. Various activity of a project, are shown on bar chart by:

[Civil Er. 6th 2079/02/21]

- A. vertical lines
- B. horizontal lines
- C. dots
- D. crosses

Correct Answer: B

8. Detection is a part of:

[Civil Er. 6th 2079/02/21]

- A. quality control
- B. quality assurance
- C. quality improvement
- D. quality audit

Correct Answer: A

9. The book commonly used for keeping the record to pay the labor engaged on daily wages is called.....

[civil er. 7th level 2080/10/27]

- A. Measurement book
- B. Muster roll
- C. Site order book
- D. Recording book

Correct Answer: B

10. PERT is an abbreviation for

[civil er. 7th level 2080/10/27]

- A. Pertinent Equation Related to a Task
- B. Performance Evaluation, Rating and Timing
- C. Program Evaluation and Review Technique
- D. Periodical Estimation of Resource Treasure

Correct Answer: C

11. What are milestones in project planning?

[civil er. 7th level 2080/10/27]

- A. Activity versus time
- B. Only activities



- C. Vertical bar charts
- D. Beginning of various activities

Correct Answer: D

12. For completion of project, the critical path of network represents.....
[civil er. 7th level 2080/10/27]

- A. Minimum time
- B. Maximum time
- C. Maximum cost
- D. Minimum cost

Correct Answer: A

13. The main principle of an organization is
[civil er. 7th level 2080/10/27]

- A. Unity of command
- B. Effective control at all levels
- C. Delegation of authority
- D. All of the above

Correct Answer: D

14. Resource smoothening means.....
[civil er. 7th level 2080/10/27]

- A. Gradual increase in resources
- B. Adjustment of resources to have the least variations
- C. Complete revamping of resources to suit the requirement
- D. Optimization and economical utilization of resources

Correct Answer: B

15. An activity is.....

[civil er. 7th level 2080/10/27]

- A. An element of work entailed in the project
- B. The movement of heavy vehicles from one place to another
- C. The beginning or end of a specified job
- D. The beginning or end of a specified job

Correct Answer: A

16. The evaluation phase of a project involves.

[civil er. 7th level 2080/10/27]

- A. Defining project goals vs risks
- B. Identifying potential risks
- C. Assessing project success against established criteria
- D. Allocating resources

Correct Answer: C

17. In the context of construction, what does the term 'rate' refer to?

[civil er. 7th level 2080/10/27]

- A. The speed at which construction activities are performed
- B. The unit cost of a specific construction activity
- C. The total time taken to complete a project
- D. The quality of construction materials used

Correct Answer: B

18. What is the main advantage of parametric estimating?

[Civil Er. 7th level 2080/10/27]

- A. It requires minimal expertise from project managers
- B. It provides highly accurate estimates for complex projects
- C. It relies solely on historical data and past projects
- D. It is quick and requires little effort

Correct Answer: B

Explanation:

The main advantage of parametric estimating is its **increased accuracy** compared to other estimation methods. It uses **historical data and statistical models to generate estimates**, accounting for a wide range of variables, which leads to more reliable forecasts. This method also allows for easy updates and adjustments as project conditions change, reducing bias and errors in judgment. Additionally, parametric estimating provides a standardized approach, ensuring consistency across projects and facilitating benchmarking.

19. What is the main purpose of Quality Assurance Plan (QAP) in project management?

[civil er. 7th level 2080/10/27]

- A. Estimating project costs
- B. Assigning project tasks to team members
- C. Ensuring compliance with quality standards
- D. Developing the project schedule

Correct Answer: C

20. The project risk that will encounter due to earthquake in which both contracting parties are unable to control the situation is.....

[civil er. 7th level 2080/10/27]

- A. Force shutdown

- B. Force Account
- C. Force majeure
- D. None of the above

Correct Answer: C

21. The time by which a particular activity can be delayed without affecting the preceding and succeeding activities is known as:

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. Free float
- B. Interfering float
- C. Independent float
- D. Total float

Correct Answer: C

Explanation:

✓ Free float - It is the amount of time that a task can be delayed without delaying the early start of any succeeding activity, it affects only preceding activity. It is the difference between total float and slack of head event.

✓ Interfering float - The portion of total float that if used by one task would impact the start or finish dates of a dependent task is interfering float. It is the difference between total float and free float. Numerically it is the slack of head event.

✓ Independent float - It is the excess time available if the preceding activity ends as soon as possible and succeeding activity start as early as possible. It affects particular activity only.

Numerically, Free float - slack of tail event.

✓ Total float - Total float is the total amount of time that a task can be delayed without

affecting the overall project completion date.

Numerically, LST- EST or LFT- EFT

22. The area under the Beta-distribution curve is divided into two equal parts by

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. Most likely time
- B. optimistic time
- C. Pessimistic time
- D. Expected time

Correct Answer: D

Explanation:

In PERT analysis, the time estimate of activities or Expected time and probability of their occurrence follow Beta distribution curve.

Similarly, The expected project duration in CPM follow normal distribution curve.

The relation between job of a particular type and various duration they have consumed for completion is expressed by frequency distribution curve.

23. A project has three independent critical paths A, B and C. To reduce the project length, we have to shorten.

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. The activities of A
- B. The activities of B
- C. The activities of C

D. The activities of A, B and C simultaneously

Correct Answer: D

24. The Earned Value Technique in construction management is also known as

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. CPM
- B. PERT
- C. S-curve
- D. Gantt chart

Correct Answer: C

Explanation:

The Earned Value Technique (EVT) and S-curve are important tools in project management used for tracking project performance and progress.

The S-curve is a graphical representation of cumulative project data over time, showing the relationship between time and costs, labor hours, or other metrics. It is named as S curve because as the project progress is plotted in graph it emerges in S shape.

25. Amicable settlement means

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. Settled by court
- B. Settled by two parties
- C. Settled by Dispute Board
- D. None of the above

Correct Answer: B

Explanation:

An amicable settlement - Resolution of a dispute or conflict between parties that is reached through mutual agreement, without the need for litigation or adversarial proceedings.

26. When float or slack of an activity is positive, it represents:

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. the availability of extra resources
- B. The requirement of additional resource
- C. Criticality of the activity
- D. Both (A) and (C)

Correct Answer: A

Explanation:

- ✓ Slack = 0 , critical
- ✓ slack - negative , behind the schedule. aka super-critical activity
- ✓ slack - positive , ahead of schedule. aka sub-critical activity

27. The pictorial representation of activities and events of a project is called

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. Flow chart
- B. Algorithm
- C. Flow net
- D. Network

Correct Answer: D

Explanation:

- ✓ Flow chart - A flow chart is a visual representation of a process or system using symbols and arrows to show the steps and their order.

✓ Algorithm - An algorithm is a step -by- step procedure or formula for solving a problem that consists of a finite set of well-defined instructions when followed lead to a desired outcome.

✓ Flow net - A flow net is a graphical representation used in various fields of engineering particularly in hydrology to analyze fluid flow through porous media or other systems. It consists of two sets of lines: a) Flow lines b) Equipotential lines

28. Directed cost of a project is due to

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. Establishment charges as salaries of administrative staff
- B. Loss or gain of revenue
- C. Penalty imposed
- D. Cost of materials and wages of labor

Correct Answer: D

Explanation:

✓ Direct costs - These are expenses that can be directly attributed to a specific project or activity. They typically include costs for materials, labor, and other expenses that are easily traced to the construction project.

✓ Indirect costs are expenses that cannot be directly linked to a specific project but are necessary for the overall operation of the business.

Examples -

Insurance, Permits and Fees, Marketing and sales, General administrative expenses such as office rent, utilities, and salaries of management staff.

29. Procurement of services means

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. Buying logistics
- B. Hiring consultants
- C. Renting house
- D. None of the above

Correct Answer: B

Explanation:

✓ Procurement of Goods : It means procurement of any kind of object, whether movable or immovable and this term includes services incidental to the supply of such goods.

✓ Procurement of Construction works : It means procurement of work such as site preparation, excavation, erection, building, installation of equipment or goods and decoration etc. associated with the construction, reconstruction, demolition, repair or renovation of any structure or works, and this term also includes services incidental to construction work such as mapping, laboratory testing, satellite photography and seismic investigation.

✓ Procurement of Consultancy service : It means procurement hiring of consultant for any study, research, survey, design, drawing, supervision, training, testing, software development service or other intellectual or professional service of a similar nature.

30. "Fraudulent Practice" means

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. The offering, giving, receiving of anything of value to influence the action of a public official in the procurement process

- B. Misrepresentation of facts to influence a procurement process
- C. Both (A) and (B)
- D. None of the above

Correct Answer: B

Explanation:

✓ Corrupt practice - It means offering, giving, receiving of soliciting directly or indirectly anything of value to influence improperly the action of another party.

✓ Fraudulent practice - It means any act or omission including misrepresentation that knowingly or recklessly mislead or attempt to mislead a party to obtain financial or other benefit.

✓ Collusive practice - Collusive practices refer to actions taken by two or more parties to coordinate their activities in a way that undermines competition, often to gain an unfair advantage in a market.

31. The difference between the time available to do a job and time required to do the job is known as

[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. Event
- B. Float
- C. Duration
- D. Constraint

Correct Answer: B

Explanation:

Event (Node/ Connector) - A specific accomplishment or milestone (the start or finish of an activity). It represents specific point in time and does not consume resources.

Duration - It refers to the total time required to complete a task or project.

Constraint - In project management, constraints are factors that restrict project execution, such as time, budget, resources, and scope. For example, Time constraint, budget constraint and resource constraint.

32. The difference between actual cost of the project with the targeted cost is called

[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. Variance
- B. Loss
- C. Profit
- D. All of the above

Correct Answer: A

33. The tender is

[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. A notice inviting bids
- B. Written offer submitted by contractor to execute works
- C. An agreement enforceable by law
- D. None of the above

Correct Answer: B

Explanation:

- Written offer submitted by contractor to execute works is tender.
- An agreement enforceable by law is contract.

34. Quality control ensures that the physical works conforms to
[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. Strength specified in the contract document
- B. Durability
- C. Standard specified in the contract document
- D. Service

Correct Answer: C

Explanation:

Quality Control (QC) are observation techniques and activities which aim to identify whether the final product actually fulfills customer requirements. It is done by Engineer / Consultant.

35. Project monitoring is

[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. To keep track of and to check systematically the improvement in project implementation
- B. Collecting, recording and reporting information concerning all aspects of project performance
- C. An objective and systematic process for determining the efficiency effectiveness of the project
- D. Both A and B of the above

Correct Answer: D

36. A muster roll is known for

[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. List of job to be done on site

- B. Attendance sheet of temporary workers for remuneration
- C. List of materials at site
- D. None of the above

Correct Answer: B

Explanation:

Muster roll is a proper record of the laborers employed daily for executing works. It is commonly used to make payments to the labor engaged in daily wages.

37. The performance of a specific task in CPM is known as

[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. Dummy
- B. Event
- C. Activity
- D. Contract

Correct Answer: C



38. Total cost of the project is

[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. Direct cost and overhead cost
- B. Indirect cost and overhead cost
- C. Direct cost and indirect cost
- D. All of the above

Correct Answer: C

Explanation:

Total cost is summation of direct cost and indirect cost.

39. Actual performance of a task is called

[2073/10/25, स्थानिटरी उपसमूह राजपत्राङ्कित तृतीय श्रेणी]

- A. An event
- B. An activity
- C. A duration
- D. All of the above

Correct Answer: B

40. Bid evaluation is done to determine

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Responsive bid
- B. Lowest bid
- C. Substantially responsive bid
- D. Lowest evaluated substantially responsive bid

Correct Answer: D

Explanation:

Selection of the Lowest Evaluated Substantially Responsive Bid: As per public procurement act and regulation the bid that offers the lowest price while also being substantially responsive to the bid is selected for award.

Substantially responsive -A bid is considered substantially responsive if it meets the essential requirements/Technical Eligibility criteria of the bidding documents.

41. Critical path

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Is always longest

- B. Is always shortest
- C. May be longest
- D. May be shortest

Correct Answer: A

Explanation:

Critical path always represents longest path and minimum time.

42. Slack is

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Difference of latest allowable time and earliest expected time.
- B. Least allowable time-earliest expected time.
- C. Earliest expected time-latest allowable time.
- D. Time gained by an activity.

Correct Answer: A

Explanation:

Slack - Amount of time that a task or activity can be delayed without affecting the overall project timeline or completion date.

Slack = latest allowable time - earliest expected time.

43. Within the relationship among client, engineer and contractor, no agreement is required between

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Client and engineer
- B. Client and contractor
- C. Engineer and contractor
- D. Contractor and sub-contractor

Correct Answer: C

Explanation:

There is agreement between Client/Employer and Contractor.

Engineer/Consultant is hired on the behalf of client or contractor.

44. Which of the following information is generally not published in a tender notice?

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Bid bond
- B. Bid validity
- C. Performance bond
- D. Date and place of pre bid meeting

Correct Answer: C

Explanation:

While inviting bid, Bid bond, Bid validity period, date and place of pre bid meeting is published in notice.

But Performance bond is only asked to submit for bidder/Contractor who has been the awarded bid during contract signing.

Performance bond- It serves as a financial guarantee to the project owner/Employer that the contractor will complete the project according to the terms of the contract.

45. In construction planning, an activity is

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Something that requires construction material

- B. An element of work which constitutes the project
- C. Movement of equipment or material
- D. Progress of work up to a stage

Correct Answer: B

Explanation:

An activity refers to a specific task or set of tasks that need to be completed as part of a project. It requires resources and takes a certain amount of time.

46. Quality and Cost Based Selection (QCBS) method is used:

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. To select the contractors
- B. To select the consultants
- C. To select the best projects
- D. All of the above

Correct Answer: B

Explanation:

Quality cost- based selection in consulting services involves evaluating potential consulting firms or professionals based on the quality of their services relative to their costs.

According to public procurement regulation, while selecting consultant/procuring consulting service eighty percent weightage for technical requirement and twenty percent for financial requirement.

47. A dummy activity

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Has no tail event
- B. Has no sequence
- C. Does not require any resource or time
- D. Both (B) and (C)

Correct Answer: C

Explanation:

Dummy Activity - It is an imaginary activity that does not consume resources and used for logical purpose only. It is represented by dotted arrow.

48. Slack time in PERT analysis

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Can never be greater than zero
- B. Is always zero for critical activities
- C. Can never be less than zero
- D. Is minimum for critical events

Correct Answer: D

Explanation:

Slack is zero in CPM analysis.

Slack is minimum in PERT analysis.

49. Quality Assurance Plan is prepared and submitted by

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Contractor
- B. Consultant
- C. Employer
- D. None of the above

Correct Answer: A

Explanation:

Quality assurance plan is prepared and submitted by contactor.

Quality control is done by Engineer or consultant.

50. By using the method of sealed quotation, which of the following cannot be procured?

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Procurement of Works
- B. Procurement of Goods
- C. Procurement of Services
- D. All of the above can be procured

Correct Answer: D

Explanation:

- ✓ Goods and other services valued up to 20 lakhs rupees may be procured by inviting a sealed quotation. (Source: PPA 2063)
- ✓ In inviting a sealed quotation, a notice shall be published in a national-level newspaper by giving a period at least of fifteen days.

51. Normally the retention money is paid to the contractors:

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. After completion of the construction works
- B. After final selection of the contractor
- C. After completion of the defects liability period
- D. after tax clearance

Correct Answer: C

Explanation:

As per PPR, 5 % of total billing amount is retained as retention money by Public Entity and it is paid to contractor after defect liability period.

52. Bidding documents of any civil work contract consists of:

[2073/11/16, जनरल. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Bill Of Quantity of work (BOQ)
- B. BOQ and Drawings
- C. Preamble to BOQ, BOQ, condition of contract specification and Drawings
- D. None of the above

Correct Answer: C

Explanation:

The Bidding Document consist of Parts I, II, and III, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.

PART I Bidding Procedures

Section I Instructions to Bidders (ITB)

Section II Bid Data Sheet (BDS)

Section III Evaluation and Qualification Criteria (EQC)

Section IV Bidding Forms (BDF)

PART II Requirements

Section V Works Requirements (WRQ)

Section VI Bill of Quantities (BOQ)

PART III Conditions of Contract and Contract Forms

Section VII General Conditions of Contract (GCC)

Section VIII Special Conditions of Contract (SCC)

Section IX Contract Forms (COF)

53. Public Procurement Act was enacted in the year [2071/11/09, हाइवे.

उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 2065 BS
- B. 2064 BS
- C. 2063 BS
- D. 2062 BS

Correct Answer: C

Explanation:

✓ Public Procurement Act : Date of Certification and publication 2063 Poush 30 and first amendment 2073 Ashadh 30

✓ Procurement Regulation 2064 : Date of Certification and publication 2064 Bhadra 03 and it has been amended up to 12 times the latest one on 2079 Ashadh 20.

54. Interfering float is the difference between

[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. total floating and free float
- B. total float and independent float
- C. free float and independent float
- D. None of the above

Correct Answer: A

55. The technique for establishing and maintaining priorities among the various jobs of a project is known

[2073/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. event flow scheduling technique
- B. critical ratio scheduling
- C. slotting technique for scheduling
- D. short interval scheduling

Correct Answer: B

Explanation:

Critical Ratio(CR)

✓ An index number found by dividing the time remaining until the due date by the work time remaining on the job. It sets the relationship between when a product is required and when it is supplied.

If $CR > 1$, Ahead of the schedule

$CR = 1$, Exactly on schedule

$CR < 1$, Behind the schedule



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✓ Advantages of the Critical Ratio Scheduling Rule

- 1) Determine the status of a specific job
- 2) Establish a relative priority among jobs on a common basis
- 3) Relate both stock and make-to-order jobs on a common basis
- 4) Adjust priorities and revise schedules automatically for changes in both demand and job progress
- 5) Dynamically track job progress and location.

56. A company or organization (the promoter, client or employer) wishing to obtain goods or services will first

[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Specify its requirements
- B. Estimate the quantity
- C. Estimate the cost
- D. Search for the market rate

Correct Answer: A



57. The opening of bidding in the process of procurement is known as

[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Contracting
- B. Tendering
- C. Negotiation
- D. Mediation

Correct Answer: B

Explanation:

- ✓ Contracting - The process of entering into a legally binding agreement between two

or more parties. This agreement outlines the terms and conditions under which the parties will operate, detailing their rights, responsibilities, and obligations.

- ✓ Negotiation - The process through which two or more parties communicate to reach an agreement or resolve a conflict.
- ✓ Mediation - It is a conflict resolution process in which a neutral third party, known as a mediator, helps disputing parties reach a mutually acceptable agreement.

58. Quality control during construction consists largely of insuring
[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Laboratory tests
- B. field tests
- C. conformance
- D. time control

Correct Answer: C

Explanation:

Quality control (QC) in construction refers to the processes and procedures implemented to ensure/conform that construction work meets specified standards and requirements.

Field test and laboratory test are the method for quality control.

59. The project maintenance remains as a contractual obligation of the project contractor until the expiry of
[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Construction period
- B. defects liability period
- C. Project period
- D. project handover period

Correct Answer: B

Explanation:

The defect liability period (DLP) is a specified time frame after the completion of a construction project during which the contractor is responsible for repairing or rectifying any defects or issues that arise.

As per PPR, defect liability period is 365 days.

60. Critical path

[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. is the shortest path
- B. has null slack
- C. has maximum slack
- D. has the minimum slack

LOKSEWA
with Ghoksewa



Correct Answer: B

Explanation:

Critical path is longest path and gives minimum time.

Critical path has null slack.

61. Various activities of a project, are shown on bar chart by

[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. vertical lines

- B. horizontal lines
- C. dots
- D. crosses

Correct Answer: B

Explanation:

A graphical representation of a Project that shows each task as a horizontal bar whose length is proportional to its time for completion.

62. The performance of a specific task is CPM, is known
[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Dummy
- B. Event
- C. Activity
- D. Contract

Correct Answer: C



63. Engineer use following technique while preparing a project appraisal
[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Discounted Cash flow
- B. Payback period
- C. the rate of return on book value
- D. all of the above

Correct Answer: D

Explanation:

Project appraisal methods are techniques used to evaluate the viability, feasibility, and potential success of a project before making investment decisions.

Some methods are

- 1) Cost-Benefit Analysis (CBA)
- 2) Net Present Value (NPV)
- 3) Internal Rate of Return (IRR)
- 4) Payback Period
- 5) Benefit-Cost Ratio (BCR)
- 6) Economic Rate of Return (ERR)
- 7) Sensitivity Analysis

64. The contract types are grouped into

[2071/11/09, हाइवे. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Four broad categories
- B. Three broad categories
- C. Two broad categories
- D. Five broad categories

Correct Answer: A

Explanation:

Contracts are grouped into four main categories based on different criteria:

✓ By Nature of Agreement:

- * Bilateral Contracts: Both parties make promises.
- * Unilateral Contracts: One party makes a promise in exchange for an act.

✓ By Enforceability:

- * Valid Contracts: Legally binding.
- * Void Contracts: Not enforceable by law.
- * Voidable Contracts: Can be enforced until one party chooses to void it.

✓ By Performance

- * Executed Contracts: All parties have fulfilled their obligations.
- * Executory Contracts: One or both parties still have obligations to fulfill.

✓ By Purpose

- * Sales Contracts: Involve the sale of goods or services.
- * Service Contracts: For providing services.
- * Lease Contracts: For renting property.
- * Construction Contracts: Specific to construction projects.

65. As per public procurement act and regulation who has the authority to blacklist the contractors.

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Departments
- B. Projects
- C. Ministries
- D. Public procurement monitoring office

Correct Answer: D

Explanation:

A Public Procurement Monitoring Office (PPMO) is an institutional body or agency responsible for overseeing and ensuring the integrity, transparency, and efficiency of public procurement processes within government entities.

PPMO has authority of blacklisting Blacklisting which is a formal process that prohibits a contractor from participating in future public procurement opportunities.

Reasons of blacklisting

- * Fraudulent Activities
- * Non- Compliance
- * Corruption
- * Poor Performance

* Legal Violations

66. The first stage of large construction work is to:

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Contract
- B. Design
- C. Conception
- D. Study and evaluation

Correct Answer: C

Explanation:

Conception → Survey → Design → Drawing and Detail estimate → Tendering
→ Contracting → Implementation

67. The estimated time required to perform an activity, is known as

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Event
- B. Dummy
- C. Duration
- D. Float

Correct Answer: C

68. A milestone chart

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Depicts the delay of job
- B. Shows the interdependence of various jobs

- C. Shows the event in chronological but not in logical sequence
D. All of the above

Correct Answer: C

Explanation:

Milestone chart (1940)

- * A milestone chart is a modification over a bar chart/Gantt chart where important events are identified. The beginning and end of such activities are called milestones. It is usually represented by using a triangle Δ .
- * It can also be represented by circles, squares.
- * In the milestone chart events are placed in chronological order rather than logical order.

69. In Nepal contractors are classified into how many categories?
[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 1
B. 2
C. 3
D. 4

Correct Answer: D

Explanation:

निर्माण व्यवसमय ऐन २०५५

- (क) “क” वगाको निर्माण व्यवसमयी (A class contractor)
(ख) “ख” वगाको निर्माण व्यवसमयी (B class contractor)
(ग) “ग” वगाको निर्माण व्यवसमयी (C class contractor)
(घ) “घ” वगाको निर्माण व्यवसमयी (D class contractor)

70. Critical path in a project network is:

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Longest path
- B. Shortest path
- C. Dummy path
- D. None of the above

Correct Answer: A

71. Which of the following is not Bid document?

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Condition of contract
- B. Specification
- C. Performance security form
- D. Letter of acceptance

Correct Answer: D

Explanation:

- * Condition of contract (General condition of contract, special condition of contract), Specification, Performance security are part of Bid document.
- * Letter of Acceptance is a part of contract document.

72. Who is responsible to prepare and update the "Quality Assurance Plan"?

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. The contractor
- B. The consultant
- C. The employer
- D. Both the contractor and the employer

Correct Answer: A

Explanation:

Quality Assurance (QA) Plan in construction management is a document that outlines the processes and procedures to ensure that construction projects meet established quality standards.

It is prepared by Contractor and submit to client/Employer before starting of work after contract signing.

73. Which of the following is a primary process for procurement of goods and services from a competitive market?

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Payment
- B. Bidding
- C. Deposit
- D. Order placement

Correct Answer: B

Explanation:

Among Payment, bidding, deposit and order placement.

Bidding → Deposit → Order placement → Payment

74. Select the incorrect statement [2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. The various functions under each activity are shown by one bar on bar charts.
- B. Bar charts establishes the interdependency of one event on another.
- C. Only approximate time is scheduled
- D. None of the above

Correct Answer: B

Explanation:

Gantt chart/ Bar Chart - 1900 AD. (Earliest Method)

- * A graphical representation of a Project that shows each task as a horizontal bar whose length is proportional to its time for completion.
- * A Gantt chart is a horizontal bar chart that illustrates a project schedule.
- * In the Gantt Chart time is displayed on the horizontal axis and the tasks/activities are arranged vertically from top to bottom in order of their start dates.
- * Bar is divided longitudinally into two portions top portion indicates progress while bottom portion indicates duration of activity.

75. Henry Gantt developed bar charts for planning and scheduling the project in AD.

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 1850
- B. 1900
- C. 1920
- D. 1940

Correct Answer: B

Explanation:

Gantt chart/ Bar Chart - 1900 AD. (Earliest Method)

76. Frederick W. Taylor introduced a system of working known as

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Line organization
- B. Line and staff organization
- C. Functional organization

D. Effective organization

Correct Answer: C

Explanation:

✓ **Functional Organizations (Introduced by FW Taylor):** A functional organization structure is a form of business organization made up of several departments based on specific skills and areas of expertise.

* Suitable in Large Construction

* Responsibility cannot be fixed directly on any individual

* Everyone is to maintain their own functional efficiency.

77. As per the standard specification the work shall be done under the supervision of

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Engineer
- B. Inspector of work
- C. Supervisor
- D. Manager

Correct Answer: A

78. As indirect cost of project increases, the profit of project:

[2071/11/10, एण्ड आ. उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Increases
- B. Decreases
- C. Constant
- D. All of the above

Correct Answer: B

Explanation:

As time increases, indirect cost of project increase and profit decreases.

79. In the procurement-of-works, quality-depends on

[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. estimate rate
- B. contract rate
- C. quality of materials and workmanship
- D. all of the above

Correct Answer: D

80. In PERT (Program Evaluation & Review Technique) analysis the

duration of the activities is taken as: [2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी, 2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Optimistic time
- B. Pessimistic time
- C. most likely time
- D. expected mean time

Correct Answer: D

Explanation:

PERT is a technique that uses Optimistic time (O), Pessimistic time (P) and Realistic time (R) or most likely time estimates to calculate the EXPECTED TIME (ET) of a particular task.

81. The most popular type of organization used for civil engineering construction is:

[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. line organization
- B. line and staff organization
- C. functional organization
- D. effective organization

Correct Answer: A

Explanation:

Line Organizations / Military Organizations / Scalar Organizations:

- * Line organization is one of the most basic types of organizational structure where each level of management has clear authority over the next level down.
- * Suitable in Small Size Construction
- * Rigid Organization
- * Most popular in civil engineering

82. Force Majeure in a contract is

[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Occurrence of an act beyond the control of both the parties in contract agreement
- B. Preventing both parties to perform the respective obligation agreed
- C. both A and B
- D. None of the above

Correct Answer: C

Explanation:

"Force Majeure" - Unexpected events that prevent parties from fulfilling contractual obligations. These events are typically beyond the control of the parties involved and may include natural disasters (like earthquakes or floods), wars, strikes, or other significant disruptions.

83. The total float for any activity along the critical path in CPM is
[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Positive
- B. Negative
- C. Zero
- D. Any value

Correct Answer: C

Explanation:

Total float= 0 → Critical

Total float = positive → ahead of schedule

Total float= negative → Behind of schedule

84. Critical Path Method (CPM) requires

[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Single time estimate
- B. double time estimate
- C. triple time estimate
- D. None of the above

Correct Answer: A

Explanation:

Critical path analysis → Single time estimate

PERT analysis → Triple time estimate (Optimistic time, Pessimistic time, most likely time)

85. The conception of idea for any construction work is the responsibility of

[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Owner
- B. Engineer
- C. Contractor
- D. all of the above

Correct Answer: A

Explanation:

Conception responsibility → Owner

Quality control and supervision → Engineer

Quality delivery as per requirement → Contractor

86. CPM stand for:

[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी, 2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Computer Program Mode
- B. Critical Project Management
- C. Controlling, Planning and Management
- D. Critical Path Method

Correct Answer: D

Explanation:

CPM → Critical path method

PERT → Program evaluation and review technique

87. A bar chart is drawn for:

[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. time versus activity

- B. activity versus resources
- C. resources versus progress
- D. progress versus time

Correct Answer: A

88. Site Order book is used for recording

[2071/11/14, हाईडोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. instruction by executive engineer
- B. issue of store materials
- C. name of casual labor
- D. issue of store equipment

Correct Answer: A

Explanation:

Site order book is maintained at site to record specific instructions given by site supervisor/engineer/project manager.

89. A notice for invitation to bids or prequalification proposals shall have to be published in

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. FM radio
- B. A local news paper
- C. A daily newspaper
- D. National television

Correct Answer: C

Explanation:

As per PPA, a notice for publication of bid or pre qualification proposal should be published on daily newspaper.

90. Which of the following terminologies is not relevant to a CPM planning?
[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Earliest start time
- B. Latest finish time
- C. Earliest finish time
- D. Optimistic time

Correct Answer: D

Explanation:

EST, EFT, LST, LFT are related to CPM analysis.

Optimistic time is related to PERT analysis.

91. The chart which gives an estimate about the amount of materials handling between various work stations is known as
[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Flow chart
- B. Process chart
- C. Travel chart
- D. Gantt chart

Correct Answer: C

92. The critical activity has

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी, 2070/11/12, बिल्डिंग एंड अर्किटेक्ट, ह्यद्रोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Maximum float
- B. Minimum float
- C. Zero float

D. None of the above

Correct Answer: C

93. Project evaluation is:

[2073/11/2, वि.एण्ड आ. उपसमूह]

- A. A review technique
- B. A feedback mechanism
- C. An essential component of project management
- D. All of the above

Correct Answer: D

Explanation:

✓ Program evaluation in construction management involves assessing the effectiveness, efficiency, and outcomes of construction projects and programs.

Evaluation may be

Ex-ante (Evaluation of project before its implementation)

On going (During implementation of project)

Ex-post (Evaluation for effectiveness and sustainability)

94. The technique which is activity oriented is:

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. PERT
- B. CPM
- C. Both of the above
- D. None of the above

Correct Answer: B

Explanation:

CPM - Activity oriented

PERT - Event oriented

95. Bar Charts are suitable for

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Minor works
- B. Major works
- C. Large projects
- D. All of the above

Correct Answer: A

Explanation:

Minor works - Bar/Gantt chart

Major works - CPM analysis

Uncertain works - PERT analysis

96. For completion of a project, the critical path of the network represents:

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Minimum time
- B. Maximum time
- C. Maximum cost
- D. Minimum cost

Correct Answer: A

Explanation:

Critical path represents longest path and minimum time.

97. Contractor's prequalification is required for:

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. All works
- B. Small works
- C. Major and specified works
- D. None of the above

Correct Answer: C

Explanation:

Pre qualification(PQ)

- ✓ It is a kind of short listing of eligible bidder and avoids crowding of bidder.
- ✓ It ensure that the invitation of bid is extended only to those prospective bidders who have adequate capacity and resources to perform the particular contract satisfactorily taking into account their :
 - * Experience and past performance on similar contracts.
 - * Capabilities with respect to personnel, equipment, and construction and manufacturing facilities
 - * Financial position
 - * Litigation history
- ✓ PQ is done when the amount of work is greater than 20 Million rupees

98. Slack time in PERT analysis

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Can never be greater than zero
- B. is always zero for critical activities
- C. Can never be less than zero
- D. is minimum for critical events

Correct Answer: D

Explanation:

Slack time in PERT analysis - minimum for critical activities.

Slack time in CPM analysis - zero for critical activities.

99. Which of the following documents should be prepared and submitted by a contractor?

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Bid documents
- B. Quality control plan
- C. Quality assurance plan
- D. Specifications

Correct Answer: C

Explanation:

Quality assurance plan and work schedule should be prepared and submitted by contractor.

100. The artificial activity which indicates that an activity following, it cannot be started unless the proceeding activity is complete, is known as

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Event
- B. Free float
- C. Dummy
- D. Constant

Correct Answer: C

101. In the analysis of rates, their profit for the contractor is generally taken as

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 20%
- B. 15%
- C. 10%
- D. 5%

Correct Answer: C

Explanation:

In the analysis of rate,

Profit only - 10 %

Overhead - 5 %

Profit and overhead - 15 %

102. Which part of the contract document describes about the process of performing any item's requirements?

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Drawings
- B. General conditions of contract
- C. Information to bidders
- D. Specifications

Correct Answer: D

Explanation:

A specification is a detailed description of the requirements, features, and constraints of a product, system, or project. It serves as a blueprint for development and guides the work of all stakeholders involved.

103. The committee which determined the cost of labor, and materials. for

rate analysis of public entities is called:

[2071/11/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Rate fixation authority
- B. Rate determination committee
- C. Rate fixation committee
- D. Rate determination authority

Correct Answer: C

Explanation:

Every fiscal year, rate of labour, and materials are fixed for rate analysis of public entities by rate fixation committee.

Chief district officer is the chairperson of Rate fixation committee.

104. Total cost of any project is the sum of

[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. fixed and variable costs
- B. average and fixed costs
- C. both A and B
- D. None of the above

Correct Answer: A

Explanation:

✓ Fixed price - The price that does not change, regardless of the actual costs incurred during the project.

✓ Variable price - A variable price contract allows for fluctuations in the price based on certain factors, such as changes in costs, scope of work, or time.

✓ Total cost of project = Fixed cost and variable cost.



✓ If Direct cost and indirect cost in option,

Total cost of project = Direct cost and indirect cost

105. Choose the Correct Statement from the following

[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. PERT is event oriented
- B. PERT is not event oriented
- C. CPM is event oriented
- D. CPM is not activity oriented

Correct Answer: A

Explanation:

CPM- Activity oriented

PERT - Event oriented

106. Project maintenance is

[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Started after the project ends
- B. optional process
- C. an ongoing process
- D. compulsory

Correct Answer: A

107. Project control begins early in the project with planning and ends late in the project with

[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Payment
- B. Post-implementor review
- C. Monitoring
- D. auditing

Correct Answer: B

Explanation:

Post implementor review - Post-implementation review (PIR) for a project is a crucial step to assess its success and learn from the process.

Regularly conducting PIRs helps create a culture of learning and accountability.

108. The time by which activity completion time can be delayed without affecting the start of succeeding activities is known as

[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. duration
- B. total float
- C. free float
- D. interfering float

Correct Answer: C

109. A set of documents submitted by a contractor to a project office with a description of works or goods to be provided and the proposed price is known as

[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Tender
- B. agreement
- C. Technical proposal
- D. Financial proposal

Correct Answer: A

Explanation:

✓ A technical proposal is for the technical aspects of a project, detailing how a specific problem will be addressed or a project will be executed.

✓ A financial proposal is given for the costs associated with a project and the funding required to implement it.

110. What a variation order may not necessarily contain?

[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. change in quantities
- B. change in rates
- C. new items added to BOQ
- D. budget provision

Correct Answer: D

Explanation:

✓ Variation - Any Changes required, whether due to change in quantities of items, changes in the item of BOQ or change to the scope of work.

✓ Variation approve Authority

Up to 5% - 2nd Class Officer

Up to 10% - 1st Class Officer

Up to 15% - Department Head (DG) (even greater than 15 % up to 60 lakh)

15 - 25 % - Secretary of Concerned Ministry

More than 25 % - Council of Ministers

111. Critical path moves along the activities having total float
[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. positive
- B. negative
- C. Zero
- D. same

Correct Answer: C

112. The value of dismantled materials less the cost of dismantling is called
[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. the scrap value
- B. salvation value
- C. book value
- D. all of the above

Correct Answer: A

Explanation:

✓ Scrap value - The residual value of an asset at the end of its useful life after dismantling.

✓ Salvation value - The residual value of an asset at the end of its useful life before dismantling.

✓ Book value - It is a key financial metric that represents the value of an asset or a company's equity as recorded on the balance sheet.

113. Crashing is

[2071/11/16, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. reduction in duration
- B. reduction in resources
- C. reduction in cost
- D. reduction in project size

Correct Answer: A

Explanation:

Crashing is a project management technique used to shorten the duration of a project by reducing the time of certain tasks.

114. PERT analysis is based on:

[2070/11/12, बिल्डिंग एंड अर्किटेक्ट, ह्यद्रोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. optimistic time
- B. pessimistic time
- C. most likely time
- D. all the above

Correct Answer: D



115. CPM adopts:

[2070/11/12, बिल्डिंग एंड अर्किटेक्ट, ह्यद्रोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. probabilistic approach
- B. deterministic approach
- C. stochastic approach
- D. linear approach

Correct Answer: B

Explanation:

CPM - Deterministic approach

PERT - Probabilistic approach

116. Major dispute in a contract is resolved by

[2070/11/12, बिल्डिंग एंड अर्किटेक्ट, ह्यद्रोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. client
- B. contractor
- C. consultant
- D. none of the above

Correct Answer: D

Explanation:

Generally in contract management parties involved in dispute are client and contractor.

Dispute is resolved by different Dispute resolution methods.

- * Negotiation
- * Mediation
- * Arbitration
- * Litigation



117. A Gantt chart indicates

[2070/11/12, बिल्डिंग एंड अर्किटेक्ट, ह्यद्रोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. balance of work to be done
- B. efficiency of project
- C. comparison of actual progress with the scheduled progress
- D. progress cost of project

Correct Answer: C

118. What is the time by which the completion of a activity can be delayed without affecting the start of succeeding actives, called?

[2070/11/12, बिल्डिंग एंड अर्किटेक्ट, ह्यद्रोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. total float
- B. independent float
- C. interfering float
- D. free float

Correct Answer: D

119. The number of members nominated in dispute adjudication board are
[2070/11/12, बिल्डिंग एंड अर्किटेक्ट, ह्यद्रोवाटर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. one or two
- B. two or three
- C. one or three
- D. two or four

Correct Answer: C

Explanation:

A Dispute Adjudication Board (DAB) is a panel of experts established to help resolve disputes that arise during the course of a construction project or similar contractual agreements.

Number of members nominated in Dispute Adjudication Board (DAB) is either one or three.

120. Quality assurance plan is prepared:

[2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. after the completion of the project
- B. before the project works starts
- C. during the running of project work
- D. none of the above

Correct Answer: B

121. Critical path moves along the activities having total float as:

[2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. unity
- B. positive
- C. negative
- D. zero

Correct Answer: D

122. Optimum project duration denotes:

[2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. minimum overall cost scheduling
- B. minimum indirect cost scheduling
- C. minimum direct cost scheduling
- D. all of the above

Correct Answer: A

123. The pre-tender stage of construction requires:

[2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. acquisition of land
- B. selection of site
- C. finalization of designs
- D. all of the above

Correct Answer: D

124. Due to omission of any component of the projects the duration of project:

[2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. constant
- B. decreases
- C. increases
- D. all of the above

Correct Answer: B

Explanation:

✓ Alteration - Alteration is the change in design of structure. It may or may not affect the duration as well as cost of project.

✓ Omission - Omission is the deletion of some of the items from the project. Due to omission of some of the item/activity may result in reduction of cost as well as duration of project.

125. The performance of a specific task in CPM is known as:

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. dummy
- B. event
- C. activity
- D. contract

Correct Answer: C

126. If the probability factor is zero, the chances of completing the project in scheduled time are:

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 0%
- B. 75%

- C. 50%
- D. 100%

Correct Answer: C

Explanation:

✓ In PERT the individual activity follows β -distribution but the total project duration follows normal distribution.

The β -distribution cannot be divided into equal halves by probable time. But the expected duration of the project divide the total project duration by two equal halves.

✓ If the probability factor is zero, the chances of completing the project in scheduled time is 50%.

127. The first method invented for planning projects, was:

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी, 2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. bar chart method
- B. milestone chart method
- C. critical path method
- D. PERT method

Correct Answer: A

128. Design alteration is generally done :

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. before the project work starts
- B. during the running of the work
- C. after the work is complete

D. none of the above

Correct Answer: B

129. Prequalification is done:

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. After the invitation of bids
- B. before the invitation of bids
- C. during the invitation of bids
- D. none of the above

Correct Answer: B

130. Which of the following is NOT among the principles a project manager must follow in terms professional responsibility and ethical principles ?

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. ensuring individual integrity
- B. balancing stakeholders' interests
- C. fulfilling contractor's demands
- D. interacting with the project team in a professional and cooperative manner

Correct Answer: C

131. During construction, price variation clause in a contract applies to:

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. increase in cost of important materials only
- B. variation in the cost of materials, labor and fuel
- C. variation in total cost of the project estimated as a lump-sum figure
- D. the rate of inflation

Correct Answer: B

Explanation:

Price Escalation: Variation in labor, material and equipment cost.

* Construction Contract having longer duration (> 12 months or multi year contract) should have price escalation clause.

* Should not exceed 25% of original price.

* The Price Adjustment amount shall be limited to a maximum of 25 % percentage of the initial Contract Amount.

132. Slack time in PERT analysis:

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. can never be greater than zero
- B. is always zero for critical activities
- C. can never be less than zero
- D. is minimum for critical events

Correct Answer: D

133. In the time cost optimization using CPM method for network analysis, the crashing of the activities along the critical path is done starting with the activity having

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. longest duration
- B. highest cost slope
- C. least cost slope
- D. shortest duration

Correct Answer: C

Explanation:

Crashing - The process of reduction of project duration by allocating additional resources or working overtime.

Crashing is done starting with the activity having least cost slope.

Cost slope = (crash cost - normal cost)/(normal time - crash time)

134. A golden rule for the procurement of construction stores is that:

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. half of the construction stores should be at work site and half under procurement
- B. two-third of the construction stores should be at work site and one third under procurement
- C. three-fourth of the construction stores should be at work site and one fourth under procurement
- D. whole of the construction stores should be at work site

Correct Answer: B

135. Unsafe working condition in construction industry causes:

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. fatal accident
- B. death of workers
- C. minor accident
- D. all of the above

Correct Answer: D

136. In the construction industry arbitration method is used for

[2070/11/8, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. opening the tender
- B. awarding the tender
- C. Inviting the tender
- D. none of the above

Correct Answer: D

Explanation:

In construction industry, arbitration method is used for dispute resolution.

137. The form of every human association for attainment of common purposes is:

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. planning
- B. commission
- C. organization
- D. process

Correct Answer: C

Explanation:

An organization is a group of people working together to achieve specific goals.

138. Contract data is a part of:

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. specification
- B. tender document
- C. estimate of the work
- D. none of the above

Correct Answer: B

139. Bar chart is an indicator of:

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. balance of work to be done
- B. comparison of actual progress with the schedule target

- C. progressive cost of project
- D. interrelationship and interdependencies among different activities

Correct Answer: B

Explanation:

Gantt chart/ Bar Chart

- * Developed by Henry Gantt around 1900 AD. (Earliest Method)
- * Activity VS Time
- * A graphical representation of a Project that shows each task as a horizontal bar whose length is proportional to its time for completion.
- * Comparison of actual progress with the schedule target

140. The personnel involved in a project are provided safety measures for:

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. minimizing the accident rates
- B. eliminating fetal accidents
- C. increasing efficiency of workers
- D. all of the above

Correct Answer: D

141. A turn-key contract is offered for:

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. planning
- B. designing
- C. construction
- D. all of the above

Correct Answer: D

Explanation:

A turnkey contract is a type of agreement in which a contractor is responsible for the entire project, delivering it ready for use at the completion of the work.

The term "turnkey" implies that the client can simply "turn the key" and start using the facility or service without needing to do any additional work.

142. A variation order is issued to a contractor by the authorized personnel of the client when:

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. it becomes necessary to change design & drawing
- B. the quantity of items given in the contract document is to be charged
- C. new items of work are required to be added
- D. all of the above

Correct Answer: D

143. Earliest start and completion times (EST & EFT.) of various activities of a project are obtained by:

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. backward pass
- B. shortest path
- C. forward pass
- D. none of the above

Correct Answer: C

Explanation:

Forward pass - EST and EFT

Backward pass - LST and LFT

144. Inventory management is related to:

[2073/11/2 वि.एण्ड आ. उपसमूह]

- A. Material management
- B. Labor management
- C. Both (A) and (B)
- D. Inventory of direct cost and indirect cost

Correct Answer: A

Explanation:

Inventory management is the process of overseeing and controlling a company's inventory levels, ensuring that the right amount of stock is available at the right time.

Effective inventory management is crucial for maintaining balance between supply and demand, minimizing costs, and maximizing profitability.

145. An event other than final event if no activity emerges, it results in an error called...

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. looping
- B. splicing
- C. interfacing
- D. dangling

Correct Answer: D

Explanation:

✓ A looping error in a network diagram occurs when there's a cycle that allows you to travel back to the starting point without completing any tasks.

✓ A splicing error in a network diagram occurs when multiple activities are incorrectly

connected or merged into a single node without clear dependency relationships.

- ✓ An interfacing error in a network diagram occurs when there are issues related to the connections between different tasks or activities, particularly when tasks are dependent on one another across different parts of the project.
- ✓ A dangling error in a network diagram occurs when there are activities or nodes that do not have the necessary predecessor or successor relationships established.

146. Number of pre-operation associated with an operation may be.

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. one only
- B. two only
- C. more than one
- D. three only

Correct Answer: C



147. The pessimistic time is:

[2069/10/8, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. the time to complete an activity with difficulty
- B. the time to complete an activity with ease
- C. the time difference for easy and difficult completion of an activity
- D. total time to complete the activity

Correct Answer: A

Explanation:

- ✓ Pessimistic time - The longest possible time required to complete a task assuming everything goes wrong.

✓ Optimistic time - The shortest possible time required to complete a task assuming everything goes perfectly.

148. Quality control is done by using the method of:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. supervision of work
- B. post construction audit
- C. project management audit
- D. none of the above

Correct Answer: A

149. The occurrence of the starting of an activity is called its:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. head event
- B. dual role event
- C. tail event
- D. none of the above

Correct Answer: C

Explanation:

Start of activity - tail event

End of activity - head event

150. The earliest step among following for any contract procedure is:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. publishing the tender
- B. submitting the tender
- C. deposition of performance bond
- D. deposition of bid security

Correct Answer: A

Explanation:

Publishing the tender ----> Submitting the tender (deposition of bid security along with tender submission)----> Award of contract ----> Contract agreement (deposition of performance bond during contract agreement)

151. An event is:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. a dummy activity
- B. the useful criterion
- C. the start and/or finish of an activity or group of activities
- D. a definite time interval

Correct Answer: C



152. An activity is:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. an element of work entailed in the project
- B. the movement of heavy vehicles from one place to another
- C. the beginning or the end of specified job
- D. the process of work up to certain limit

Correct Answer: A

153. For all event along the critical path, the slack is:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. minimum or zero
- B. maximum
- C. negative
- D. none of the above

Correct Answer: A

154. Mile stones are:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. activity versus time
- B. activities
- C. vertical bar chart
- D. beginning of various activities

Correct Answer: D

Explanation:

A milestone in project management is a significant event or achievement within a project timeline that marks the completion of a major phase or task.

Milestones are essential for tracking progress and managing project schedules.

155. Security deposit deducted from the contractor's bill is:

[2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. refunded when the defect liability period is over
- B. refunded upon completion of work
- C. refunded when good progress is achieved
- D. retained until the lifespan of the project

Correct Answer: A

Explanation:

Retention Money: 5 % of total billing amount is retained as retention money during payment for the service or works or goods and it is refunded after defect liability period.

156. Henry Gantt developed the bar chart technique around:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 1800
- B. 1900
- C. 1850
- D. 1950

Correct Answer: B

157. The flow of time in a Network is generally:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. from left to right
- B. right to left
- C. both ways
- D. none of the above

Correct Answer: A

158. If the variation amount is in between 10-15% of the original contract value, then the approval variation of cost is done by :

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. project manager
- B. site-in-charge
- C. department head

D. all of the above

Correct Answer: C

Explanation:

Up to 5% - 2nd Class Officer

Up to 10% - 1st Class Officer

Up to 15% - Department Head (DG) (even greater than 15 % up to 60 lakh

15 - 25 % - Secretary of Concerned Ministry

More than 25 % - Council of Ministers

159. As per the prevailing contract document the quality delivery is the primary duty of:

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Client
- B. Consultant
- C. Contractor
- D. Government



LOKSEWA
with Ghoksewa



Correct Answer: C

Explanation:

Quality control - Engineer/Consultant

Quality delivery - Contractor

160. What is EPC contract?

[2069/10/02, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Engineering, Planning & Costing
- B. Evaluation, Planning & Consulting

- C. Engineering Procurement and Construction
- D. none of above

Correct Answer: C

Explanation:

EPC is a type of contract in which contractor has full responsibility for the project's design, procurement, and construction used in the construction and engineering industries.

161. Bar chart is also known as:

[2069/11/08, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Histogram
- B. Flow chart
- C. Time chart
- D. Gantt chart

Correct Answer: D



162. Critical activities having total float are:

[2069/11/08, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. positive
- B. negative
- C. zero
- D. equal

Correct Answer: C

163. The occurrence of the starting of an activity is called its.:

[2069/11/08, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. head event
- B. dual role event
- C. tail event
- D. none of the above

Correct Answer: C

164. An event is:

[2069/11/08, इरिगेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. a dummy activity
- B. the useful criterion
- C. the start and/or finish of an activity or group of activities
- D. a definite time interval

Correct Answer: C

165. The total project cost:

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. increases with increase in time
- B. reduces with increases in time
- C. initially reduces with time and then increases with increase in time
- D. initially increases and then reduces with increase in time

Correct Answer: C

Explanation:

Total project cost is the sum of direct cost and indirect cost. The shape of total cost curve is like U which represent initially reduces with time and then increase with increase in time.

166. A contractor can start the construction works following the receipt of:

[2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Variation order
- B. award of contract
- C. contract agreement
- D. notice to proceed

Correct Answer: D

Explanation:

Notice to proceed (कार्यादेश) is given to contractor after contract agreement to start the construction works.

167. The occurrence of the completion of an activity is called it's:

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. head event
- B. tail event
- C. dual role event
- D. none of the above

Correct Answer: A

168. Project evaluation is:

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. to keep track of and to check systematically all project activities
- B. collecting, recording and reporting information concerning to any and all aspects of project performance
- C. is an objective and systematic process for determining the efficiency, effectiveness, relevance and impact of the project in light of it's objectives
- D. both A) and B) of the above

Correct Answer: D

Explanation:

Project evaluation in construction management is a critical process that assesses the effectiveness, efficiency, and outcomes of a construction project. It involves analyzing various aspects of the project from initiation through completion to ensure that goals and objectives are met.

169. Bar chart is drawn for:

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. activity versus resources
- B. progress versus time
- C. time versus activity
- D. resources versus progress

Correct Answer: C

Explanation:

In the Gantt Chart, time is displayed on the horizontal axis and the tasks/activities are arranged vertically from top to bottom in order of their start dates.

170. The total cost versus time curve is :

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. U-shaped curve
- B. straight line
- C. a parabola
- D. S-shaped curve

Correct Answer: A

171. PERT is

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी, 2069/10/02, जनरल उपसमूह,

राजपत्राङ्कित तृतीय श्रेणी]

- A. activity oriented
- B. event oriented
- C. time oriented
- D. resources oriented

Correct Answer: B

Explanation:

CPM - Activity oriented

PERT - Event oriented

172. The minimum number of parties to occur any types of dispute should be

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: B

173. The occurrence of the starting of an activity is called its :

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. head event
- B. dual role event
- C. tail event
- D. none of the above

Correct Answer: C

174. The earliest step among following for any contract procedure is :
[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. publishing the tender
- B. submitting the tender
- C. deposition of performance bond
- D. deposition of bid security to change

Correct Answer: A

175. As per the Public Procurement Regulation of Nepal, what is the maximum remuneration for consulting service that can be procured directly by a public agency?

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Rs. 200,000/-
- B. Rs. 300,000/-
- C. Rs. 500,000/-
- D. none of above

Correct Answer: C

176. As per the Public Procurement Regulation of Nepal, what is the maximum weightage for a technical proposal for consulting service?

[2069/10/06, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 90%
- B. 80%
- C. 70%
- D. 60%

Correct Answer: B

Explanation:

As per PPR, the maximum weightage for a technical proposal for consulting service is 80% and that for financial proposal is 20%.

177. Duty of obligation to satisfactorily perform a task that one must fulfill, and which has a consequent penalty for failure is:

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. reporting
- B. interaction
- C. decision making
- D. responsibility

Correct Answer: D

178. Which of the following does not represent an activity?

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. site located
- B. foundation is being dug
- C. the office area is being cleaned
- D. the invitations are being sent

Correct Answer: A

Explanation:

Event is the start or end of the activity.

Here, site located is event and other given option belongs to activity.

179. Construction management involves.:

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. construction equipment
- B. construction materials
- C. skilled and unskilled manpower
- D. all of the above

Correct Answer: D

Explanation:

Construction management is the process of planning, coordinating, and overseeing construction projects from inception to completion. It involves managing various aspects such as budgeting, scheduling, quality control, and stakeholder communication to ensure that a project is completed on time, within budget, and to the required standards.

180. To resolve the disputes, the method adopted is:

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. by forming dispute adjudication board
- B. by amicable settlement
- C. by arbitration
- D. by all of the above

Correct Answer: D

181. Construction activities at site are associated with the management of:

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. manpower
- B. materials
- C. machines & equipment
- D. all of the above

Correct Answer: D

182. The occurrence of the starting of an activity is called its :

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. head event
- B. tail event
- C. dual role event
- D. both head and tail event

Correct Answer: B

183. The activity which consumes maximum time is called a:

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. event
- B. node
- C. critical
- D. none of the above

Correct Answer: D

Explanation:

Critical activity - had null float/ slack but not that consume maximum time.

184. In Critical Path Method - CPM, the Earliest Finish Time - EFT is:

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Earliest Start Time - Activity Duration
- B. Earliest Start Time + Activity Duration
- C. Latest Start Time - Activity Duration
- D. Latest Start Time + Activity Duration

Correct Answer: B

185. The optimistic, most likely, and pessimistic time estimates of an activity

are 5, 10, 21 days. What are the expected time and standard deviation?

[2068/11/12, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 12 and 3.67
- B. 1 and 4
- C. 11 and 2.67
- D. 10 and 16

Correct Answer: C

186. On acceptance. of the tender, the contractor has to deposit/provide 5% of the. tendered amount as

[2068/12/07, विल्दिंग एण्ड आर्किटेक्ट उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. earnest money
- B. security money
- C. bid amount
- D. contract amount

Correct Answer: B

Explanation:

Performance Security amount - According to Chapter 3- Provisions Related to Bidding- Section 27- Sub Section 4 of PPA 2063

" The bidder shall furnish the performance guarantee in a sum to be set by five percent of the bid price of the bidder if such a bid price is up to fifteen percent below the cost estimate and by fifty percent of the amount by which less price is quoted if such a bid price is below more than fifteen percent of the cost estimate, in addition to five percent of the bid price.

- That means if quoted amount by contractor is within 15 % below as compared to estimated price, it is 5% of contract amount. This implies if bid amount is greater than equal to 85 % of estimated amount just take 5 % of Bid Amount worth of performance security.
- If quoted/bid amount is less than estimated amount by more than 15 %, Performance security amount = (0.85× Cost estimate - Contract amount) * 0.5] + 5%

of Contract Amount.

Example: In a contract if

Estimated Total Amount = Rs. 2,57,76,148.74

Quoted/Bid Price = Rs. 1,52,08,324.34

What is the performance security to be taken as per PPA/PPR of Nepal?

Here lets calculate the bid price as a percentage of the estimated price

$\text{Bid Price/Estimated Price} * 100 \% = 59 \%$

This means the bid price is 41% below of the estimated price. Since this is greater than

15 % we need additional performance security. You can directly use the formulae as:

$(0.85 * 2,57,76,148.74 - 1,52,08,324.34) * 0.5 + .05 * 1,52,08,324.34 = \text{Rs. } 41,11,117.264$

Another way to give a more sense for the additional performance would be to calculate

how below is the price bid than 15 %

i.e. $41 - 15 = 26 \%$ (Remember this 26% is how below the bid price is compared to 85 %

of the estimate (85 % भन्दा 26 % कम छ)

We now half this percent (* 0.5 in the formulae implying for each percentage below the estimated amount we increase performance security by half percentage of the estimate amount)

$26/2 = 13 \%$

Now 13% of Estimated Amount is the additional Security needed in addition to the 5 % of Bid Price Amount.

Performance Security = 13 % of Estimated Amount + 5 % of Bid Amount

which yields almost the same amount.

- Earnest money/Bid security It is deposited during tender submission by contractor. It is 2-3% of Approved Estimated amount including VAT and PS.

Note: Performance Security is calculated on amount excluding vat and provisional sum.

187. A critical activity has:

[2068/12/07, विल्डिंग एण्ड आर्किटेक्ट उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

A. maximum float

B. Zero float

- C. minimum float
- D. average float

Correct Answer: B

188. Site order book is used for recording:

[2068/12/07, विल्डिंग एण्ड आर्किटेक्ट उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Instructions by executive engineers
- B. construction measurements
- C. issue of store equipment
- D. name of the casual labor

Correct Answer: A

189. Who is responsible to get the job done in a cost and quality control and supervise the daily activity?

[2068/12/07, विल्डिंग एण्ड आर्किटेक्ट उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. client
- B. contractor
- C. consultant
- D. all of the above

Correct Answer: C

190. In which type of contract, the owner can delegate all responsibilities of design & construction to outside consultant?

[2068/12/07, विल्डिंग एण्ड आर्किटेक्ट उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. item-rate contract
- B. Lump-sum contract

- C. turn-key contract
- D. all of the above

Correct Answer: C

191. Negative slack occurs

[2068/12/07, विल्डिंग एण्ड आर्किटेक्ट उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. when latest allowable time is greater than earliest expected time
- B. when events slick to their schedule
- C. when deficiency of resources exists
- D. none of the above

Correct Answer: C

192. The report prepared at the end of finishing a construction job is called:

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. audit report
- B. finalization report
- C. approval report
- D. completion report

Correct Answer: D

193. The performance of a specific task in CPM, is known as:

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. contract
- B. dummy
- C. event
- D. activity

Correct Answer: D

194. Time and progress chart of a construction, is also known as
[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. modified milestone chart
- B. Bar chart
- C. Gantt chart
- D. all the above

Correct Answer: D

195. The first stage of construction, is:

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. preparation of tender
- B. preparation of estimate
- C. initiation of proposal
- D. survey of the site

Correct Answer: C

Explanation:

Initiation of proposal ----> Survey of site ----> Preparation of estimate ---->
Preparation of tender

196. PERT analysis is based on:

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. most likely time
- B. optimistic time
- C. pessimistic time
- D. all the above

Correct Answer: D

197. Earnest money is a..... towards the execution of a publicly tender government contract.

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. withdrawal
- B. Deposit
- C. loan
- D. payment

Correct Answer: B

198. A dummy activity:

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. is artificially introduced
- B. is represented by a dotted line
- C. does not consume time
- D. all the above

Correct Answer: D



199. One of the tools for monitoring and evaluation of projects is :

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Progressive Approach
- B. Target Seeking Approach
- C. Goal Seeking Approach
- D. Logical Framework Approach

Correct Answer: D

Explanation:

The Logical Framework Approach (LFA) is a systematic method used for project planning, monitoring, and evaluation that provides a structured way to develop project

objectives, identify necessary activities, and establish clear indicators for success.

200. If the variation amount is in between 10- 15% of the original contract value then approval of the variation of cost is done by :

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. project manager
- B. site in-charge
- C. department head
- D. all of the above

Correct Answer: C

201. As per the financial regulation minimum time required for tender notice is:

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. 60 days
- B. 15 days
- C. 30 days
- D. 45 days

Correct Answer: C

Explanation:

As per PPA, minimum time of tender notice,

Sealed quotation - 15 days

National competitive bidding (NCB) - 30 days

International competitive bidding (ICB) - 45 days

202. For procurement of works up to 1 million Rs, by which of the following

method of procurement is considered ?

[2070/11/10, बिल्डिंग एंड अर्किटेक्ट, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. by sealed quotation
- B. by direct negotiation
- C. by bidding
- D. by direct labor or direct negotiation

Correct Answer: B

Explanation:

- * Force Account - 100000
- * Direct procurement Up to 10 L(goods & works) 5L (consulting)
- * Sealed Quotation - up to 20L
- * NCB/LCB - 20L-5 Arab
- * ICB- > 5 Arab
 lesser than 5 Arab if NCB fails to do so
- * User Committee - Up to 1 Crore (By Competition for Non technical)

Note : This note has been updated on 4th of October up to 12th amendment of Public Procurement Regulation, 2064

203. Which of the following is a primary process for procurement of goods and services from a competitive market?

[2068/11/26, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. order placement
- B. payment
- C. bidding
- D. deposit

Correct Answer: C

204. The technique used for the management and development of Polaris missiles in American Navy force is called:

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. CPM
- B. PERT
- C. MART
- D. ZOPP

Correct Answer: B

Explanation:

PERT is used for most difficult and error-prone activities when constructing a project especially when there is a high degree of complexity and uncertainty about a task.

205. Contractor's prequalification is required for:

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. all works
- B. small works
- C. major and specified works
- D. none of the above

Correct Answer: C

206. Actual cost of construction plus certain profit is paid to the contractor.

Such a contract is known as:

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. unscheduled contract
- B. nominated contract
- C. cost + percentage contract

D. work order

Correct Answer: C

Explanation:

Contract plus certain profit - The contractor is reimbursed for their costs plus a specified profit margin.

207. In CPM analysis:

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. emphasis is given to activities
- B. uncertainties are not allowed
- C. activities are represented by arrows
- D. all of the above

Correct Answer: D

208. The various types of contract are:

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. turn-key contract
- B. lump-sum contract
- C. unit price contract
- D. all of the above

Correct Answer: D

209. The purpose of preparing job-layout for a construction project is :

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. more economical method of working

- B. reduction in wastage & deterioration of materials
- C. higher productivity from labor & machinery
- D. all of the above

Correct Answer: D

210. Critical path in a project network is :

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. longest path
- B. shortest path
- C. dummy path
- D. none of the above

Correct Answer: A

Explanation:

Critical path - Longest path and minimum time

211. A drawback of the bar chart is that:

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. it is difficult to judge whether an activity is completed or not
- B. all the activities represented are independent of each other
- C. sequence of activities is not clearly defined
- D. it is not possible to judge whether the activity is ahead or behind schedule

Correct Answer: C

Explanation:

✓ Disadvantages/Drawbacks of Bar chart/Gantt chart

* Physical limit in the size of the bar chart.

* Cannot be used as a control device for large projects.

- * The sequence of activities is not clearly defined.
- * Uncertainties in activities cannot be clearly forecasted.
- * Critical activities and float cannot be shown.

212. In the construction industry arbitration method is used for:

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. inviting the tender
- B. opening the tender
- C. awarding the tender
- D. None of the above

Correct Answer: D

213. Types of organization used in construction industry is :

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. line organization
- B. line staff organization
- C. functional organization
- D. effective organization

Correct Answer: A

Explanation:

✓ Line Organizations / Military Organizations / Scalar Organizations:

Line organization is one of the most basic types of organizational structure where each level of management has clear authority over the next level down.

*Suitable in Small Size Construction

* Rigid Organization, generally used in construction industry.

214. Critical path method CPM in construction management required single time. estimates whereas Program Evaluation and Review Technique - PERT requires

[2068/11/14, हाइड्रोपावोर उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. double time estimates
- B. triple time estimates
- C. tetra time estimates
- D. Penta time estimates

Correct Answer: B

Explanation:

CPM- Single time estimate

PERT- Triple time estimate



LOKSEWA
with Ghoksewa

215. Which of the following is the logical flow of any project?

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. planning, initiating, executing, controlling, closing
- B. initiating, planning, controlling, executing, closing
- C. initiating, planning, controlling, executing, closing
- D. initiating, planning, executing, controlling, closing

Correct Answer: D

216. If the variation exceeds 15% of the contract price, the variation order is app by:

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Project Manager
- B. Chief of the Department
- C. Secretary of the concerned Ministry
- D. A Committee chaired by Secretary of the concerned Ministry

Correct Answer: C

217. The amount required to be deposited by a contractor while submitting a tender known as:

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. fixed deposit
- B. caution deposit
- C. security deposit
- D. earnest money deposit

Correct Answer: D

Explanation:

While submitting tender - deposition of bid security/ Earnest money

After contract award - Submission of performance bond/performance security

218. Quality Assurance Plan is prepared and submitted by:

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. The Consultant
- B. The Department Chief
- C. The Project Manager
- D. The Contractor

Correct Answer: D

219. A tender notice need:

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. not include general description of works
- B. include the name of authority to accept or reject the tender
- C. not require security deposit
- D. not include cost estimation

Correct Answer: B

Explanation:

✓ A tender notice consist of the following details.

- * Name of authority to accept or reject the bid.
- * Date of publication of bid
- * Name of project, Contract ID, Bid document fee, Bid security, bid security validity period
- * Name and account number of Dharauti khata (for Bid security deposition), Rajaswo khata (deposition of of bid document fee)
- * Address and time for pre bid meeting if any.
- * Last date and time for bid submission and bid opening.
- * Details of other website if any details are required.

220. Amongst the documents forming a contract document, the priority of BOQ. specifications and drawings while making interpretations in case of any ambiguities or discrepancies amongst them shall generally be:

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. the specifications, the drawings and the priced BOQ
- B. the priced BOQ, the specifications and the drawings
- C. the drawings, the specifications and the priced BOQ
- D. the specifications, the priced BOQ and the drawings

Correct Answer: A

Explanation:

✓ List of contract document Priority of contract document

- * The contract agreement
- * The letter of acceptance
- * Letter of bid
- * Conditions of contract
- * The special condition of the contract/condition of a particular application.
- * The general condition of the contract
- * The specifications
- * The drawings
- * Priced bill of quantities
- * Addenda (It clarifies corrects and provides additional information)

221. PERT is an abbreviation for:

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. pertinent, evaluation, rating and timing
- B. program evaluation and review technique
- C. performance, evaluation and review technique
- D. periodical estimation of resource treasure

Correct Answer: B

222. The first stage of a construction is:

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. initiation of proposal
- B. allotment of fund
- C. preparation of tender
- D. acceptance of tender and agreement

Correct Answer: A

Explanation:

Initiation of proposal → Allotment of fund → preparation of tender → Acceptance of tender and agreement.

223. The relation between jobs of a particular type and various durations they have consumed for completion is expressed by :

[2068/11/03, जनरल उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. normal distribution curve
- B. distribution curve
- C. frequency distribution curve
- D. none of the above

Correct Answer: C

224. According to the Public Procurement Regulation, 2004, who approves the prequalification criteria?

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. concerned project chief
- B. concerned department chief
- C. concerned secretary
- D. concerned minister

Correct Answer: B

225. Updating of schedule is carried out in a project:

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. to accommodate configuration changes
- B. to assign new target date against the planned date
- C. to reflect remedial actions for correction of deviations
- D. all of above

Correct Answer: D

226. The activity having no float/slack in a project network-diagram is called:

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. preceding activity
- B. following activity
- C. critical activity
- D. all of above

Correct Answer: C

227. The document announcing to prospective bidders that the owner is ready to receive bids is called

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. notice to bidders
- B. instruction to bidders
- C. bill of quantities
- D. intension to acceptance

Correct Answer: A

Explanation:

✓ Bill of quantities - A Bill of Quantities (BoQ) is a document used in construction and engineering projects that itemizes the various materials, parts, and labor required for a project and provides detailed information about quantities and is essential for cost estimation and project management.

✓ Intention to acceptance (आशयपरत्र)- In construction work this letter is published after bid evaluation by public entity to show the intention to accept the lowest bid and give time for inquiry (दाबि बिरोद) if any by other bidders

228. Which of the following is not Bid document ?

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. condition of contract
- B. specification
- C. performance security form
- D. letter of acceptance

Correct Answer: D

229. The purpose of bid evaluation is to determine

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. lowest bid
- B. responsive bid
- C. substantially responsive bid
- D. lowest evaluated substantially responsive bid

Correct Answer: D

Explanation:

The "lowest evaluated substantially responsive bid" is the bid that:

- * Offers the lowest price,
- * Meets the specified evaluation criteria,
- * Complies sufficiently with the bid requirements without significant deviations.

230. The time between ordering of the goods or materials and receiving and

placing them into use at the point of need is called
[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. order-interval
- B. lead time
- C. usage time
- D. delayed time

Correct Answer: B

231. Which of the following is not direct cost for a project?
[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. wages of labor
- B. cost of material
- C. insurance cost
- D. sub contract cost

Correct Answer: C

232. In Nepal, which of the following Act contains the provisions on health and safety of the workers?
[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Contract Act
- B. Industry Act
- C. Labor Act
- D. all of above

Correct Answer: C

Explanation:

✓ LABOR Act, 2074 , 2074 BS (Earlier 2048)

Labor Act, 2048 and now 2074 has some special provision related to construction works
Before this, there was no special law regarding labor in the construction industry.
There was a trace of interpretation regarding workers in Factory and Factory Workers
2019.

✓ Child, minor, major (matured)

Child is a person having age less than 16 years

Minor is a person having aged 16 to 18 years

Major is the person completing the age and 18 years

No minor shall be engaged in work without adequate directives about the concerned
working areas or vocational training.

Inserted by the Child Labor (Prohibition and Regulation) Act, 2056.

✓ Working hours

8 hours a day or 48 hours a week has been fixed as working hours.

Workers are provided a day leave in a week.

No workers can be kept working continuously for more than 5 hours.

Workers shall be provided with 30 minutes of break for Tiffin and rest.

This break is counted as regular working hour. In any enterprises, where works have to
be carried out continuously without interruption such breaks are provided in rotation.

✓ Extra wage for overtime works

Workers or employee (staffs) shall be provided extra remuneration for the over time work, working more than 8 hours a day or 48 hours a week.

Workers shall be paid one and half of the ordinary wage for the over time.

In general on worker or staff shall be allowed to work over time for more than 5 hours a day or 30 hours in a week.

233. Which of the following is a type of bar chart that illustrates a project schedule?

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Gantt Chart
- B. Pie Chart
- C. Smith Chart
- D. Slant Chart

Correct Answer: A

234. One of the tools for monitoring and evaluation of projects is:

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. Target Seeking Approach
- B. Goal Seeking Approach
- C. Logical Framework Approach
- D. Progressive Approach

Correct Answer: C

235. Which of the following is not a reason for establishing good occupational health and safety standard?

[2068/11/09, स्यानिटरी उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. economic
- B. legal
- C. religious
- D. moral

Correct Answer: C

236. PERT requires:

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. single time estimate
- B. double time estimate
- C. triple time-estimate
- D. four time estimate

Correct Answer: C

237. The chart which gives an estimate about the amount of materials handling between various work stations is known as:....

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. flow chart
- B. process chart
- C. travel chart
- D. operation chart

Correct Answer: C

Explanation:

A travel chart is a structured document or visual tool used to organize and plan travel details for a trip and includes information such as transportation schedules, accommodation details, itineraries, activities, and budgeting.

238. Bar chart is suitable for:

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. large project
- B. major work
- C. large project with major works
- D. minor works

Correct Answer: D

239. F.W. Taylor introduced a system of organization known as:

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. line organization
- B. line and staff organization
- C. line, staff and functional organization
- D. functional organization

Correct Answer: D

240. Acquisition of land for any construction should be performed:

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. after tender
- B. at the time of tender
- C. before tender
- D. at any time

Correct Answer: C

241. The money of the contractor retained by the department during payments is called:

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. retention money
- B. earnest money
- C. security deposit
- D. tender money

Correct Answer: A

242. A written offer submitted by contractors to execute certain work at certain rates within a fixed time is called;

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. muster roll
- B. contract
- C. tender
- D. measurement book

Correct Answer: C

Explanation:

A tender is a formal invitation or process through which organizations or entities (typically government agencies, businesses, or construction firms) solicit bids from contractors or suppliers to undertake specific projects or provide goods and services.

243. An agreement which is enforceable by law is a :

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. tender
- B. contract
- C. bid
- D. muster roll

Correct Answer: B

244. All measurements should be neatly recorded in a :
[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. note book
- B. muster roll
- C. daily book
- D. measurement book

Correct Answer: D

Explanation:

✓ Measurement Book

Measurement book (MB) is a book showing an original record of work done or supply of materials received duly weighed, measured, or counted.

It is evidence of work done and measurement.

245. Basic record of payments made to daily labor is kept in a
[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. measurement book
- B. muster roll
- C. labor roll
- D. daily book

Correct Answer: B

Explanation:

✓ Muster Roll

It is commonly used to make payments to the labor engaged in daily wages.

Maintained to keep the proper record of the laborers employed daily for executing works

246. Float is

[2067/12/10, हाइवे उपसमूह, राजपत्राङ्कित तृतीय श्रेणी]

- A. the earliest time by which an activity may commence
- B. Construction Management Collection: Civil Er. Past Question Collection Objective
- C. latest allowable time-earliest expected time
- D. time available time required for an activity

Correct Answer: C

