

प्रदेश लोक सेवा आयोग

प्रदेश नं. १

— स्थानीय सरकारी सेवा अन्तर्गत प्राविधिक तर्फ इन्जिनियरिंग सेवा, सिभिल समूह, सहायक चौथो तह, असिस्टेंट सब-इन्जिनियर पदको प्रतियोगितात्मक लिखित परीक्षा

मिति: - २०७८/१४/२९

KEY: D

समय: ४५ मिनेट

विषय: सेवा सम्बन्धी

पूर्णाङ्क: १००

परीक्षार्थीले उत्तरपुस्तिकामा अनिवार्य रूपमा की (KEY) उल्लेख गर्नुपर्नेछ। अन्यथा उत्तरपुस्तिका रद्द हुनेछ।
परीक्षामा मोबाइल, क्याल्कुलेटर लगायतका कुनै पनि विद्युतीय उपकरणहरू प्रयोग गर्न पाइने छैन।

Multiple Choice Questions

50×2=100 Marks

- Surveys based on instrument use can be classified into
A. Compass survey
B. Plane table survey
C. Theodolite survey
D. All of the above
- The horizontal angle between the true meridian and magnetic bearing at a place in a compass survey is called
A. Local attraction
B. Declination
C. True bearing
D. All of the above
- What does the abbreviation GPS stand for?
A. Global Positioning System
B. Global Point Selection
C. Geographical Position System
D. Geographical Point Software
- Sandstone is
A. Sedimentary rock
B. Metamorphic rock
C. Igneous rock
D. Volcanic rock
- OPC cement means
A. Optimum Portland Cement
B. Ordinary Portland Cement
C. One-time Portland Cement
D. None of the above
- For a good building stone, its specific gravity should be
A. > 2.7
B. < 2.7
C. > 4
D. < 4
- Seasoning of timber is done to
A. make it water proof
B. paint its surface
C. increase its temperature
D. remove water
- Inner part of a timber log surrounding the pith is called
A. Sapwood
B. Cambium layer
C. Heart wood
D. None to the above
- Which of the following is an alloy of copper?
A. Vitallium
B. Brass
C. Invar
D. Solder
- Lime mortar is generally made with
A. Quick lime
B. Fat lime
C. Hydraulic lime
D. Plain lime

11. Marble is more susceptible to
A. alkaline
C. acids
B. water
D. all of the above
12. The building should be in countries like Nepal.
A. Earthquake proof
C. 13 richter resistance
B. Earthquake resistance
D. -8 richter scale proof
13. The slump test is done to measure of concrete.
A. workability
C. shear
B. bearing capacity
D. compression
14. The temporary work erected to support a number of platforms at different levels for the convenience of the workers, is known as
A. shoring
C. scaffolding
B. underpinning
D. formworks
15. Admixture in cement concrete are used for
A. water reduction in the mix
C. strength enhancement
B. set acceleration
D. all of the above
16. The vertical members fixed between steps and hand rail, are known
A. Balusters
C. Newel posts
B. Strings
D. Soffits
17. A horizontal bar chart that shows project tasks against a calendar is called
A. Milestone
C. Gantt chart
B. Goal
D. PERT chart
18. The type of pointing in which upper side of mortar joints is kept about 12 mm inside the face of the masonry and bottom is kept flushed with face of wall is
A. Truck pointing
C. Struck pointing
B. Recessed pointing
D. Grooved pointing
19. The first step in flooring is
A. Topping
C. Sand filling
B. RCC layer
D. Base coat
20. A standard rule of thumb is that sewer pipes leading away from a toilet are inches in diameter.
A. 1.5
C. 3
B. 2
D. 6
21. The diameter of opening of overhead water storage circular tank in a building shall be not less than
A. 300 mm
C. 600 mm
B. 450 mm
D. 750 mm
22. The earthing is an important component of electric system that
A. prevents damage to electric appliances
C. prevents risk of fire
B. prevents electric shocks
D. all of the above
23. Per capita demand of water is calculated in liters
A. Per person per day
C. Per person per year
B. Per person per month
D. None of the above
24. The road pavement structure layers is/are as
A. Subgrade
C. Surface coarse or wearing course
B. Base Course
D. All of the above
25. The method/s of irrigations is/are
A. Surface Irrigation
C. Drip Irrigation
B. Sprinkler Irrigation
D. All of the above

26. In Nepal, bridge is classified as a minor bridge if its span length is
A. $\leq 6m$
B. $\leq 10m$
C. $\leq 20m$
D. $\leq 25m$
27. What type of irrigation method is also called as trickle irrigation?
A. Sprinkler Irrigation Method
B. Furrow Irrigation Method
C. Drip Irrigation Method
D. Check Flooding
28. The process of passing water through beds of granular materials is called
A. Screening
B. Sedimentation
C. Filtration
D. None of the above
29. For the self-cleaning of side drain, the minimum gradient required is
A. One percent
B. One and half percent
C. Half percent
D. Two percent
30. Which is the factor affecting the selection of water source for drinking water?
A. Quantity of water
B. Quality of water
C. Location of water source
D. All of the above
31. Water supply system includes
A. Construction of dams
B. Entire arrangement from source to distribution
C. Construction of canals
D. Digging a well for water
32. Which type of canal is best suitable to avoid cross drainage in canal alignment?
A. ridge canal
B. contour canal
C. side slope canal
D. none of the above
33. The Local Government Operation Act, 2074 BS came into effect since
A. September 2017
B. October 2017
C. November 2017
D. December 2017
34. As per article 38 (1) of Local Government Operation Act, 2074, a person or a government entity has to complete the construction of a building within ... from the date of permission to construct.
A. 1 year
B. 2 years
C. 3 years
D. 4 years
35. According to the Constitution of Nepal, the List of Local Level Power have been provisioned in
A. Schedule- 6
B. Schedule- 8
C. Schedule- 7
D. Schedule- 9
36. To insure that everyone understands what the symbols represent it is customary to include a ... on the drawing sheet.
A. List
B. Part number
C. Legend
D. Layer
37. How many base units are in the International System of units?
A. 3
B. 4
C. 5
D. 7
38. Axonometric drawings are those drawings
A. in which the object is drawn in three dimensions
B. which are used extensively in artistic drawing
C. which has complete description of its shape
D. all of the above
39. Which type of line is part of dimension in drawing?
A. Extension lines
B. Break lines
C. Phantom lines
D. Cutting plane lines

40. The arts of writing the various sizes or measurements on the finished drawing of an object is known as
- A. measuring lettering
 C. scaling D. dimensioning
41. Which of the following pencil leads is the hardest?
- A. B H
 C. 4B D. 4H
42. The brick work is not measured in cu m in case of
- A. one or more than one brick wall B. brick work in arches
 C. reinforced brick work D. half brick wall
43. How many bags of cement are there in 1 metric ton?
- A. 5 bags B. 20 bags $\frac{20 \times 50}{100}$
 C. 50 bags D. 100 bags
44. The most reliable estimate for a building is estimate.
- A. plinth area B. cube rate
 C. preliminary D. detailed
45. The standard width of a CGI sheet is
- A. 32" $\frac{40 \times 50}{50}$ B. 36"
 C. 40" D. 45"
46. While estimating of a works, the allowable contingency is
- A. 5 percent B. 4 percent
 C. 3 percent D. 2 percent
47. In case of discrepancy between rate in words and figures,
- A. Rate in words is determining B. Rate in figures is determining
 C. Both A and B D. None of the above
48. In levelling operation
- A. when the instrument is being shifted, the staff must not be moved
 B. when the staff is being carried forward, the instrument must remain stationary
 C. both A and B
 D. none of the above
49. Leveling deals with measurements in a
- A. Horizontal plane B. Inclined plane
 C. Vertical plane D. Both vertical and horizontal plane
50. Chain surveying uses the principle of
- A. Traversing B. Chaining
 C. Ranging D. Triangulation

20×5
 20×50
 $\frac{20 \times 50}{100}$