KEY: [D]

प्रदेश लोक सेवा आयोग

कोशी प्रदेश, विराटनगर

स्थानीय सरकारी सेवा अन्तर्गत प्राविधिक तर्फ स्थानीय इन्जिनियरिङ सेवा, सिभिल समूहको प्रथम पत्रको खुला प्रतियोगितात्मक लिखित परीक्षा

समय: ४५ मिनेट | पद: असिस्टेन्ट सब-इन्जिनियर | पूर्णाङ्क: १००

मिति:- २०८३/०१/०५ | विषय: सेवासँग सम्बन्धित कार्यज्ञान | तह: सहायकस्तर चौथो

उत्तरपुस्तिकामा प्रश्नपत्रको KEY अनिवार्य रुपले उल्लेख गर्नुपर्नेछ। KEY उल्लेख नगरेमा उत्तरपुस्तिका रद्द हुनेछ। परीक्षामा मोबाइल, क्याल्कुलेटर लगायतका विद्युतीय उपकरणहरु प्रयोग गर्न पाइने छैन।

वस्तुगत बहुवैकल्पिक प्रश्नहरु (५० x २ अङ्क)

1. Manholes in sewerage systems are provided for:
   (A) Inspection and maintenance (B) Increasing flow velocity
   (C) Disinfection (D) Sedimentation
2. A large open space located within a building often used to light a central circulation or public area by daylight admitted through a glass roof or wall is:
   (A) Solarium (B) Skylights
   (C) Atrium (D) Translucent walls
3. National Building Code (NBC) is applicable to:
   (A) All types of building construction in Nepal (B) Only government buildings
   (C) Only rural structures (D) Only roads and bridges
4. What is the primary function of switching circuit in digital logic design?
   (A) Signal modulation (B) Signal switching
   (C) Signal amplification (D) Signal processing
5. A higher water cement ratio generally results in:
   (A) Higher strength and lower workability (B) Lower strength and higher workability
   (C) No effect on concrete (D) Faster setting only
6. The slump test is used to measure:
   (A) Strength of concrete (B) Durability of concrete
   (C) Workability of concrete (D) Density of concrete
7. Which of the following stress can plain cement concrete endure?
   (A) Shear stress (B) Tensile stress
   (C) Compressive stress (D) Tensile, compressive and shear stresses
8. Shuttering is another term for:
   (A) Falsework (B) Formwork (C) Scaffolding (D) Reinforcement
9. Curing helps to:
   (A) Reduce shrinkage and cracking (B) Increase workability only
   (C) Accelerate bleeding (D) Reduce aggregate size
10. The function of fine aggregates in concrete is to:
    (A) Provide strength only (B) Fill voids between coarse aggregates
    (C) Reduce cement content (D) Increase setting time
11. नगर कार्यपालिका प्रमुखको पदावधि निर्वाचित भएको मितिले कति वर्ष हुने व्यवस्था छ?
    (A) ३ (B) ४ (C) ५ (D) ६

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12. नेपालको संविधान बमोजिम नियुक्त भएका मुख्यमन्त्रीले त्यसरी नियुक्त भएको कतिदिन भित्र प्रदेश सभाबाट विश्वासको मत प्राप्त गर्नुपर्ने संवैधानिक व्यवस्था छ ?

(A) १५ (B) ३० (C) ३५ (D) ६०

13. प्रदेश निजामती सेवा ऐन, २०७९ बमोजिम प्रदेश निजामती सेवाको चौथो तहमा पूर्ति हुने तरिका देहाय मध्ये कुन सही हो ?

(A) १००% खुला (B) ८०% खुला र २०% बढुवा
(C) ७०% खुला र ३०% बढुवा (D) १००% बढुवा

14. मुख्यमन्त्री तथा मन्त्रिपरिषद्को कार्यालयले प्रदेश निजामती सेवाका कर्मचारीहरूको सरुवा गर्ने समयतालिका कुन महिनालाई तोकिएको छ ?

(A) वैशाख (B) श्रावण (C) मंसिर (D) आषाढ

15. "मन्त्रालय" भन्नाले देहायका के लाई जनाउँदछ ? सही विकल्प छान्नुहोस् ।

१. प्रदेश सरकारका मन्त्रालय
२. मुख्यमन्त्री तथा मन्त्रिपरिषद्को कार्यालय

(A) १ मात्र ठीक (B) २ मात्र ठीक
(C) १ र २ दुवै ठीक (D) १ र २ दुवै गलत

16. प्रदेशको प्रशासनिक कार्य सम्पादन गर्दा प्रदेश सरकारले अख्तियार गर्ने नीति अन्तर्गत तल दिइएका मध्ये कुन नीति राखिएको छ ?

(A) सामाजिक न्याय (B) समन्याय र समावेशीकरण
(C) मानव र अधिकारको प्रत्याभूति (D) राष्ट्र र जनताको बृहत्तर हित

17. प्रदेश लोक सेवा आयोगको अध्यक्ष वा सदस्य भइ सकेको व्यक्ति देहायका कुन पदमा नियुक्तिका लागि ग्राह्य हुँदैन ?

(A) संवैधानिक निकायको पदाधिकारीको पदमा
(B) प्रदेश लोक सेवा आयोगको सदस्य सोही आयोगको अध्यक्षमा
(C) कुनै राजनैतिक पदमा
(D) प्रदेश सचिव पदमा

18. नेपालको संविधान बमोजिम तलका मध्ये संवैधानिक निकाय कुन होइन ?

(A) निर्वाचन आयोग (B) लोक सेवा आयोग
(C) राष्ट्रिय महिला आयोग (D) नेपाल राष्ट्र बैंक

19. प्रदेश लेखा नियन्त्रक कार्यालयले एकीकृत वित्तीय विवरण तयार गरी कहाँ पठाउनु अनिवार्य छैन?

(A) मुख्यमन्त्री तथा मन्त्रिपरिषद्को कार्यालय (B) महालेखा नियन्त्रक कार्यालय
(C) आर्थिक मामिला तथा योजना मन्त्रालय (D) महालेखा परीक्षकको कार्यालय

20. कोशी प्रदेशको दोस्रो आवधिक योजनामा समुन्नति तर्फ राखिएका सूचकहरूमा तलका मध्ये कुन पर्दछ ?

(A) जन्मदर्ता (B) सामाजिक सुरक्षा तथा संरक्षणका कार्यक्रममा आबद्ध जनसंख्या
(C) लैङ्गिक सशक्तीकरण (D) अपेक्षित आयु

21. Which drawing view best represents the height and width of a building?

(A) Plan (B) Elevation (C) Section (D) Isometric

22. Tracing paper is also named as:

(A) Drafting vellum (B) Drafting film
(C) Drafting media (D) Drafting line

23. In which basis the pencil is selected in engineering drawings?

(A) Diameter of pencil (B) Length of pencil
(C) Lead of pencil (D) Grade of pencil

24. Find the RF for scale 1 cm = 25 km.

(A) 1/250 (B) 1/2500 (C) 1/25000 (D) 1/2500000

25 × 1000 m × 100
2500000

25. Diagonal measurements in a room are taken to:
(A) Increase drawing size
(B) Check accuracy and squareness
(C) Reduce time
(D) Estimate cost

26. The contractor's overhead added to the cost of work is ..... of the cost of work.
(A) 5%
(B) 10%
(C) 13%
(D) 15%

27. Formwork is measured in:
(A) Running meter
(B) Meter square
(C) Meter cube
(D) Lumpsum

28. Who is primarily responsible for preparing the quality assurance plan on a construction site?
(A) Employer
(B) Supervisor
(C) Contractor
(D) Designer

29. Who is mainly responsible for supervision on site?
(A) Contractor only
(B) Engineer/sub-engineer/supervisor
(C) Client
(D) Labor in-charge

30. In civil works, the plinth area estimate is usually used for:
(A) Buildings
(B) Roads
(C) Bridges
(D) Irrigation canal

31. Under survey "working from whole to part" is done:
(A) To prevent the accumulation of error and localize the error
(B) To make survey easy
(C) To avoid error at all
(D) To shorten the survey time

32. The type of survey to fix property line is:
(A) Topographical
(B) Cadastral
(C) City
(D) Astronomical

33. The line of collimation method of reduction of levels does NOT provide a check on:
(A) Intermediate sights
(B) Fore sights
(C) Back sights
(D) Reduced levels

34. Height of Instrument (HI) is:
(A) BS-FS
(B) Elevation of ground
(C) RL of staff + staff reading on BM
(D) Horizontal distance between points

35. Which of the following is NOT a method of levelling?
(A) Spirit levelling
(B) Traversing
(C) Barometric levelling
(D) Trigonometric levelling

36. Lime stone is a:
(A) Igneous rock
(B) Sedimentary rock
(C) Metamorphic rock
(D) Granular rock

37. Aggregates for concrete should be:
(A) Clean, hard, strong and durable
(B) Soft and porous
(C) High in clay contents
(D) contain organic impurities

38. Which of the following is the main constituent of Ordinary Portland Cement (OPC)?
(A) Gypsum
(B) Lime (Calcium oxide)
(C) Silica
(D) Alumina

39. The commonly used thinner in oil paints is:
(A) Naphtha
(B) Turpentine
(C) Olive oil
(D) Water

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40. Distemper paint is mainly used for:
(A) Exterior walls
(B) Interior walls
(C) Metal surfaces
(D) Wooden furniture

41. According to Local Government Operation Act, 2074, which activity comes under local government?
(A) Management and regulation of transportation safety - Transportation की Safety
(B) Construction and management of all transportation network - management of transportation
(C) Management of traffic posts - traffic post
(D) Collection of tolls on all transportation network

42. Red light in traffic signal indicates:
(A) Go
(B) Stop
(C) Slow down
(D) Yield

43. Widening of the roads on curves in hilly region is done:
(A) On the inner side
(B) On the outer side
(C) On the outer and inner sides equally
(D) On the outer and inner side but width depends upon requirement

44. CBR (California Bearing Ratio) test is used for finding:
(A) Strength of subgrade
(B) Strength of concrete
(C) Strength of bitumen
(D) Strength of cement

45. Which of the earthquake is more destructive?
(A) Deep earthquake
(B) Narrow earthquake
(C) Shallow earthquake
(D) Intermediate earthquake

46. Which of the following is a soft engineering method of river training?
(A) Gabions
(B) Riprap (stone pitching)
(C) Plantation and bioengineering
(D) Spurs

47. Which type of irrigation is most efficient in terms of water saving?
(A) Surface irrigation
(B) Sprinkler irrigation
(C) Drip irrigation
(D) Canal irrigation

48. Community water supply systems are generally designed based on:
(A) Industrial water demand only
(B) Domestic water demand per capita
(C) Agricultural water demand only
(D) Firefighting demand only

49. GI pipe coming from both side is joined with fitting called:
(A) Socket
(B) Tee
(C) Union
(D) Elbow

50. Boiling water is mainly used in rural areas for:
(A) Disinfection
(B) Aeration
(C) Sedimentation
(D) Removing chemical impurities

<<समाप्त>>

उत्तरपुस्तिकामा प्रश्नपत्रको KEY अनिवार्य रुपले उल्लेख गर्नुपर्नेछ। KEY उल्लेख नगरेमा उत्तरपुस्तिका रद्द हुनेछ।

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