ಕರ್ನಾಟಕ ಅರಣ್ಯ ಇಲಾಖೆ

ಪ್ರಧಾನ ಮುಖ್ಯ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿ (ಮುಖ್ಯಸ್ಥರು, ಅರಣ್ಯ ಪಡೆ) ಹಾಗೂ ಆಯ್ಕೆ ಪ್ರಾಧಿಕಾರ
ಇವರ ಕಚೇರಿ, ಅರಣ್ಯ ಭವನ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು–560003

ಉಪ ವಲಯ ಅರಣ್ಯಾಧಿಕಾರಿ ಹುದ್ದೆಗಳಿಗೆ ನೇರ ನೇಮಕಾತಿ

ಅಧಿಸೂಚನೆ ಸಂಖ್ಯೆ: ಬಿ9–ನೇಮಕಾತಿ–ವಿವ–3/2012–13 ದಿನಾಂಕ 21–12–2012

ಪ್ರಕಟಣೆ

ಹೈದರಾಬಾದ್–ಕರ್ನಾಟಕ ಪ್ರದೇಶದ 19 ಉಪ ವಲಯ ಅರಣ್ಯಾಧಿಕಾರಿ ಹುದ್ದೆಗಳ ನೇರ
ನೇಮಕಾತಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ದಿನಾಂಕ 20–03–2016 ರಂದು ಲಿಖಿತ ಪರೀಕ್ಷೆ ನಡೆಸಲಾಯಿತು.
ಸದರಿ ಲಿಖಿತ ಪರೀಕ್ಷೆಯ ಕೀ ಉತ್ತರವನ್ನು ಪ್ರಕಟಿಸಲಾಗಿದ್ದು, ಈ ಬಗ್ಗೆ ಆಕ್ಷೇಪಣೆಗಳಿದ್ದಲ್ಲಿ ದಿನಾಂಕ:
04–04–2016ರ ರೊಳಗಾಗಿ ಈ ಕಚೇರಿಗೆ ಲಿಖಿತ ರೂಪದಲ್ಲಿ ಪೂರಕ ದಾಖಲಾತಿಗಳೊಂದಿಗೆ
ಆಕ್ಷೇಪಣೆಯನ್ನು ಸಲ್ಲಿಸಲು ತಿಳಿಸಿದೆ.

ಬೆಂಗಳೂರು,
ದಿನಾಂಕ: 26 –03–2016

ಪ್ರಧಾನ ಮುಖ್ಯ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿ
(ಮುಖ್ಯಸ್ಥರು, ಅರಣ್ಯ ಪಡೆ)

PLEASE OPEN THE BOOKLET ONLY WHEN DIRECTED BY THE INVIGILATOR.
ಪರೀಕ್ಷಾ ಮೇಲ್ವಿಚಾರಕರು ನಿರ್ದೇಶನ ನೀಡಿದ ನಂತರವೇ ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯ ಪುಸ್ತಕವನ್ನು ತೆರೆಯತಕ್ಕದ್ದು.

Total Number of Questions/ಒಟ್ಟು ಪ್ರಶ್ನೆಗಳು : 140

Number of Questions to be answered/ಉತ್ತರಿಸಬೇಕಾದ ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ : 100

Maximum Marks/ಗರಿಷ್ಠ ಅಂಕಗಳು : 100

Maximum Time/ಗರಿಷ್ಠ ಸಮಯ : 3 Hours

Booklet Serial No.

S

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ಅಭ್ಯರ್ಥಿಗಳು ಓ.ಎಂ.ಆರ್. ಕ್ರಮಾಂಕವನ್ನು ಈ ಅಂಕಣದಲ್ಲಿ ಬರೆಯತಕ್ಕದ್ದು

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ಅಭ್ಯರ್ಥಿಗಳು ತಮ್ಮ ರಿಜಿಸ್ಟರ್ ನಂಬರ್‌ನ್ನು ಈ ಅಂಕಣದಲ್ಲಿ ಬರೆಯತಕ್ಕದ್ದು

QUESTION PAPER VERSION CODE

ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯ ಶ್ರೇಣಿ ಸಂಕೇತ

A

IMPORTANT INSTRUCTIONS

THIS PAPER HAS 140 QUESTIONS. THE 60 QUESTIONS OF PART A ARE COMPULSORY. BESIDES PART A, CANDIDATES SHOULD ATTEMPT ONLY EITHER PART B OR PART C. HOWEVER, IN CASE ANY CANDIDATE ATTEMPTS BOTH, IN PART OR WHOLE, THE PART IN WHICH HE/SHE SCORES MORE, WILL BE CONSIDERED FOR AWARDING TOTAL MARKS.

[Do not carry mobile phones, Calculators, any Bluetooth/WiFi device during the time of test. You will lose your candidature if you do so.]

1. Only **Blue** or **Black** colour ball point pen should be used for marking answers and writing OMR Sheet.
2. All the questions carry **equal** marks.
3. Before opening the booklet, take out the OMR sheet kept inside the question paper carefully and write your name, registration number, Question paper version code, sign at the appropriate place on the OMR sheet and get the invigilator's signature in the place provided in the OMR.
4. Each question is followed by **four** responses, of which only one is complete and the most correct. Please mark the response which you feel is most correct and complete by fully darkening the oval of that answer in the OMR sheet.
5. **There is no negative marking. However if more than one response is marked for a question, the answer shall be evaluated as wrong option marked and the candidate shall be awarded zero marks for that question. Therefore, mark only one answer.**
6. In case the response marked by you on the OMR sheet matches the "Key of right answers" as provided by panel of experts, you will be awarded full marks for that question.
7. Do not fold, tear or smudge the OMR sheet. Do not leave any stray marks on the OMR sheet.
8. Blank space on back page of the question paper may be used for rough work.
9. Questions are provided in Kannada and English. However in case of lack of clarity in Kannada version, English version may be referred to as correct.
10. So go ahead. Best of luck.

ಬಹುಮುಖ್ಯ ಸೂಚನೆಗಳು

ಈ ಪತ್ರಿಕೆಯು 140 ಪ್ರಶ್ನೆಗಳನ್ನು ಒಳಗೊಂಡಿರುತ್ತದೆ. 'ಭಾಗ – ಎ' ಯಲ್ಲಿರುವ 60 ಪ್ರಶ್ನೆಗಳು ಕಡ್ಡಾಯವಾಗಿರುತ್ತವೆ. 'ಭಾಗ – ಎ' ಯನ್ನು ಹೊರತುಪಡಿಸಿ, ಅಭ್ಯರ್ಥಿಯು 'ಭಾಗ– ಬಿ' ಅಥವಾ 'ಭಾಗ– ಸಿ' ಇವುಗಳಲ್ಲಿ ಯಾವುದಾದರೂ ಒಂದನ್ನು ಆಯ್ಕೆ ಮಾಡಿಕೊಳ್ಳಬೇಕು. ಒಂದು ವೇಳೆ ಅಭ್ಯರ್ಥಿಯು 'ಭಾಗ– ಬಿ' ಅಥವಾ 'ಭಾಗ– ಸಿ' ಯಲ್ಲಿರುವ ಪ್ರಶ್ನೆಗಳನ್ನು ಭಾಗಶಃ ಅಥವಾ ಸಂಪೂರ್ಣವಾಗಿ ಉತ್ತರಿಸಿದಲ್ಲಿ, 'ಭಾಗ– ಬಿ' ಅಥವಾ 'ಭಾಗ– ಸಿ' ಯಲ್ಲಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಯಾವ ಭಾಗದ ಪ್ರಶ್ನೆಗಳಿಗೆ ಹೆಚ್ಚು ಅಂಕಗಳು ಬಂದಿರುತ್ತದೆಯೋ, ಆ ಅಂಕಗಳನ್ನು ಮೆರಿಟ್‌ಗೆ ಪರಿಗಣಿಸಲಾಗುವುದು.

[ಪರೀಕ್ಷೆಯ ಸಮಯದಲ್ಲಿ ಮೊಬೈಲ್ ಫೋನ್, ಕ್ಯಾಲ್ಕುಲೇಟರ್, ಯಾವುದೇ ಬ್ಲೂಟೂತ್ / ವೈಫೈ ಸಾಧನಗಳನ್ನು ತರಬಾರದು. ನೀವು ಇವುಗಳನ್ನು ಪರೀಕ್ಷಾ ಕೊಠಡಿಯೊಳಗೆ ತಂದಲ್ಲಿ ನಿಮ್ಮ ಅಭ್ಯರ್ಥಿತನವನ್ನು ನೀವು ಕಳೆದುಕೊಳ್ಳುತ್ತೀರಿ.]

1. ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿ ಬರೆಯಲು ಮತ್ತು ಉತ್ತರಗಳನ್ನು ಗುರುತಿಸಲು ಕಡ್ಡಾಯವಾಗಿ ನೀಲಿ ಅಥವಾ ಕಪ್ಪು ಬಣ್ಣದ ಬಾಲ್‌ಪಾಯಿಂಟ್ ಪೆನ್ನನ್ನು ಉಪಯೋಗಿಸಿ.
2. ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳು ಸಮಾನ ಅಂಕಗಳನ್ನು ಹೊಂದಿರುತ್ತವೆ.
3. ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯನ್ನು ತೆರೆಯುವ ಮೊದಲ ಅದರ ಜೊತೆಯಲ್ಲಿರುವ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯನ್ನು ಸುರಕ್ಷಿತವಾಗಿ ಹೊರಗಡೆ ತೆಗೆಯುವುದು. ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯ ನಿಗದಿತ ಸ್ಥಳದಲ್ಲಿ ನಿಮ್ಮ ಹೆಸರು, ನೋಂದಣಿ ಸಂಖ್ಯೆ ಮತ್ತು ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯ ಶ್ರೇಣಿಯನ್ನು ನಿಗದಿಪಡಿಸಿದ ಕಲಂಗಳಲ್ಲಿ ಭರ್ತಿ ಮಾಡುವುದು ಹಾಗೂ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯ ನಿಗದಿತ ಅಂಕಣದಲ್ಲಿ ಪರೀಕ್ಷಾ ಮೇಲ್ವಿಚಾರಕರ ಸಹಿ ಮಾಡಿಸುವುದು.
4. ಪ್ರತೀ ಪ್ರಶ್ನೆಗೆ ನಾಲ್ಕು ಉತ್ತರಗಳನ್ನು ಕೊಡಲಾಗಿದೆ. ಇವುಗಳಲ್ಲಿ ಒಂದು ಮಾತ್ರ ಪರಿಪೂರ್ಣ ಮತ್ತು ಸರಿಯಾದುದು. ಯಾವ ಉತ್ತರ ಪರಿಪೂರ್ಣ ಮತ್ತು ಸರಿ ಎಂದು ನೀವು ಭಾವಿಸುತ್ತೀರೋ ಅದನ್ನು ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿನ ಉತ್ತರದ ವೃತ್ತವನ್ನು ಸಂಪೂರ್ಣವಾಗಿ ಗುರುತು ಮಾಡುವ ಮೂಲಕ ದಾಖಲಿಸಿ.
5. ಋಣಾತ್ಮಕ ಅಂಕಗಳಿರುವುದಿಲ್ಲ. ಆದರೆ, ನೀವು ಒಂದಕ್ಕಿಂತ ಹೆಚ್ಚು ಉತ್ತರವನ್ನು ಒಂದು ಪ್ರಶ್ನೆಗೆ ನೀಡಿದರೆ, ಇವುಗಳನ್ನು ಮೌಲ್ಯಮಾಪನ ಮಾಡುವಾಗ ತಪ್ಪು ಆಯ್ಕೆ ಎಂದು ಪರಿಗಣಿಸಿ, ಆ ಪ್ರಶ್ನೆಗೆ ಶೂನ್ಯ ಅಂಕವನ್ನು ನೀಡಲಾಗುವುದು. ಆದ್ದರಿಂದ, ಒಂದೇ ಉತ್ತರವನ್ನು ಗುರುತಿಸಿ.
6. ಒಂದೊಮ್ಮೆ ನೀವು ಗುರುತಿಸಿದ ಉತ್ತರವು ತಜ್ಞ ಸಮಿತಿಯು ನಿರ್ಧರಿಸಿದ ಸರಿಯಾದ ಉತ್ತರಕ್ಕೆ ಹೊಂದಿಕೆಯಾಗುವುದಾದರೆ ಪೂರ್ಣ ಅಂಕಗಳನ್ನು ನಿಮಗೆ ನೀಡಲಾಗುವುದು.
7. ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯನ್ನು ಮಡಚುವುದಾಗಲಿ, ಹರಿಯುವುದಾಗಲಿ, ಕೊಳೆ ಮಾಡುವುದಾಗಲಿ ಮಾಡಬಾರದು. ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಅಸಭ್ಯ ರೀತಿಯ ಗುರುತು ಮಾಡಬಾರದು.
8. ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯ ಹಿಂದಿನ ಪುಟದ ಖಾಲಿ ಜಾಗವನ್ನು ನಿಮ್ಮ ಕರಡು ಕೆಲಸಕ್ಕೆ ಉಪಯೋಗಿಸಬಹುದು.
9. ಪ್ರಶ್ನೆಗಳನ್ನು ಕನ್ನಡ ಮತ್ತು ಆಂಗ್ಲ ಭಾಷೆಗಳಲ್ಲಿ ನೀಡಲಾಗಿದೆ. ಆದರೆ ಇವೆರಡರ ಮಧ್ಯೆ ಯಾವುದೇ ಅಸ್ಪಷ್ಟತೆ ಕಂಡುಬಂದಲ್ಲಿ, ಆಂಗ್ಲ ಭಾಷೆಯ ಪ್ರಶ್ನೆಯನ್ನು ಸರಿಯಾದ ಪ್ರಶ್ನೆಯೆಂದು ಪರಿಗಣಿಸಿ.
10. ಮುಂದುವರೆಯಿರಿ. ನಿಮಗೆ ಶುಭವಾಗಲಿ.

[P.T.O.

PART – A

1. How many hundreds must be added to 30 thousands to get 1 million ?
    (A) 97   (B) 9700   (C) 97000   (D) 970000

2. Find the next number in the series given below :
    8888, 666, 44, ...
    (A) 22   (B) 2   (C) 0   (D) 864

3. Janaki eats 3 to 5 apples each week. What is the reasonable number of apples Janaki will eat in 7 weeks ?
    (A) More than 50   (B) About 21 to 35
    (C) About 36 to 50   (D) Fewer than 21

4. Mr. and Mrs. Rao have three daughters. Each of them has two brothers. How many children are there is Rao's family ?
    (A) 11   (B) 9   (C) 7   (D) 5

5. P is the largest factor of 48 and Q is its smallest multiple. Find the value of 2P + 3Q.
    (A) 240   (B) 360   (C) 120   (D) 180

6. Aakash's age is a factor of 14. Next year his age will be a multiple of 5. How old will be in 6 year's time ?
    (A) 15 years   (B) 21 years   (C) 14 years   (D) 20 years

7. Study the following :
    ❖ The number is between 10 and 50
    ❖ It is a multiple of 6
    ❖ It is a factor of 96
    Which of the following is NOT a possible value of the number ?
    (A) 12   (B) 24   (C) 30   (D) 48

8. What is the value of X if it is the H.C.F. of 240 and 288 ?
    (A) 48   (B) 16   (C) 30   (D) 32

9. The Fish Bowl store had a sale. During the sale, the store gave away two kinds of fish, i.e., gold fish and cat fish.
    ❖ Every 5th customer received a free gold fish
    ❖ Every 12th customer received a free cat fish.
    There were 134 customers on the day of the sale, estimate the number of customers who received both a free gold fish and a free cat fish ?
    (A) 2   (B) 11   (C) 26   (D) 37

A

10. A set of warning lights flashes every 3 seconds, another set flashes every 5 seconds and third set flashes every 8 seconds. If they all flash together at 12.00 noon, at what time will they together again ?
    (A) 12.01 p.m.   (B) 12.02 p.m.   (C) 12.06 p.m.   (D) 12.15 p.m.

11. A nylon string 18 m long is cut into equal pieces of 0.2 m each. How many equal pieces are obtained ?
    (A) 180   (B) 90   (C) 9   (D) 360

12. Find the correct descending order of the given masses :

    7.381 kg, 8 kg, 7.83 kg, 7⅗ kg

    (A) 7.381 kg, 7⅗ kg, 7.83 kg, 8 kg   (B) 7.381 kg, 8 kg, 7⅗ kg, 7.83 kg

    (C) 7.83 kg, 7⅗ kg, 7.381 kg, 8 kg   (D) 8 kg, 7.83 kg, 7⅗ kg, 7.381 kg

13. The capacity of a cylindrical tank is 32 litres. It is $\frac{4}{5}$ full of water. A quarter of this volume of water is poured into a pail. How much water is left in the cylindrical tank ?
    (A) 15 ⅑ litres   (B) 19⅗ litres   (C) 19 ⅕ litres   (D) 15⅗ litres

14. Which of the following is one of the congruent parts of a circle divided by its diameter ?
    (A) A semi circle   (B) A quarter circle
    (C) A chord   (D) A circular region

15. If GIVE is coded as 5137 and BAT is coded as 924, how is GATE coded ?
    (A) 5427   (B) 2547   (C) 5247   (D) 5724

16. In a certain code language, '479' means 'fruit is sweet', '248' means 'very sweet voice' and '637' means 'eat fruit daily' which digit stands for 'is' in that code ?
    (A) 7   (B) 9
    (C) 4   (D) Can not be determined

17. An inspector of schools wishes to distribute 84 bells and 180 bats equally among a number of boys. Find the greatest number receiving the gift on this way.
    (A) 6   (B) 18   (C) 12   (D) 7

18. There is a circular path around a sports field. Rohan takes 18 minutes to drive one round of the field, while Raju takes 12 minutes for the same. Suppose they both start at the same point and at the same time and go in the same designation, after how many minutes will they meet again at the starting point ?
    (A) 36 minutes   (B) 12 minutes   (C) 18 minutes   (D) 6 minutes

A

19. An army contingent of 616 members is to march behind an army band of 32 members in a parade. The two groups are to march in the same number of columns. What is the maximum number of column in which they can march ?
    (A) 4   (B) 7   (C) 8   (D) 11

20. Kavita obtained 16, 14, 18 and 20 marks (out of 25) in Maths in weekly tests in the month of January 2014. Then the mean marks of Kavita is
    (A) 16   (B) 16.5   (C) 17   (D) 17.5

21. A school has 20 teachers, one of them retires at the age of 60 years and a new teacher replaces him, this change reduces the average age of the staff by 2 years, the age of new teacher is
    (A) 28 years   (B) 25 years   (C) 20 years   (D) 18 years

22. A train travels forest 300 km at an average rate of 30 km per hour and further travels the same distance at an average rate of 60 km per hour, then the average speed over the whole distance is
    (A) 35 km per hour   (B) 40 km per hour
    (C) 42 km per hour   (D) 45 km per hour

23. The folk stories about Buddha are known as
    (A) Jataka Tales   (B) Panchatantra   (C) Ramayana   (D) Mahabharata

24. Who was the Greek ambassador at the court of Chandragupta Maurya ?
    (A) Hiuen Tsang   (B) Fahien   (C) Megasthenese   (D) None of these

25. Harappa is located in which present day province of Pakistan ?
    (A) Peshawar   (B) Punjab
    (C) Sindh   (D) None of these

26. Who was the son of Bimbisara ?
    (A) Ajatashatru   (B) Chandragupta   (C) Ashoka   (D) None of these

27. Svetambara and Digambara are two sects of which religion ?
    (A) Buddhism   (B) Jainism
    (C) Hinduism   (D) None of these

28. The Gateway of India was built to
    (A) Commemorate the visit of Queen Victoria to Bombay
    (B) Commemorate the visit of King George and Queen Mary to Bombay
    (C) In memory of Queen Victoria
    (D) In memory of the soldiers who died fighting in World Wars

29. In the beginning of their trade, the British East India Company's main Centre of trade in India was
    (A) Bombay   (B) Calcutta   (C) Madras   (D) Surat

30. Why did the farmers of Champaran and Darbhanga revolt against the British in 1866 ?
    (A) The British forced the farmers to grow Indigo in place of food crops
    (B) They were fighting for India's independence from the rule of the British
    (C) The British built canals for the people of Punjab, but did not do so in Bihar
    (D) All of the above

31. The fortified area which became the nucleus of British Madras was
    (A) The village of Madraspatnam   (B) Fort St. George
    (C) Fort William   (D) Mazagaon

32. Which Act passed by British Government in 1919 empowered the Government to imprison anyone without a trial ?
    (A) Ilbert Act   (B) Indian Arms Act
    (C) Rowlatt Act   (D) None of the above

33. Who was the founder of the Indian National Congress ?
    (A) Dadabhai Naoroji   (B) Allan Octavian Hume
    (C) S. Subramani Iyer   (D) W. C. Bannerjee

34. The Jallianwala Bagh massacre took place in which year ?
    (A) 1919   (B) 1929   (C) 1911   (D) 1921

35. Who was the Chairman of the Constituent Assembly ?
    (A) Dr. B. R. Ambedkar   (B) Dr. Rajendra Prasad
    (C) Pandit Jawaharlal Nehru   (D) Mahatma Gandhi

36. Which revolutionary leader was hanged by the British for killing Saunders ?
    (A) V. D. Savarkar   (B) Bhagat Singh
    (C) Lala Lajpat Rai   (D) C. Rajagopalachari

37. What was the immediate cause of the revolt of 1857 ?
    (A) The annexation of Awadh
    (B) The rumour that catridge of the new Enfield rifle was greased with the fat of cows and pigs
    (C) The banning of Sati by the British
    (D) None of the above

38. Who of the following was responsible for introducing Western education in India ?
    (A) Lord Curzon   (B) Lord Mountbatten
    (C) Lord Irwin   (D) Lord Macaulay

A   (8)

39. Who founded the Brahmosamaj in 1830 for initiating social reforms ?
    (A) Raja Ram Mohan Roy
    (B) Ishwar Chandra Vidyasagar
    (C) Swami Dayanand Saraswati
    (D) None of these

40. The National Rural Employment Guarantee Act was passed in the year
    (A) 2000
    (B) 2002
    (C) 2005
    (D) 2007

41. Primary sector of the economy refers to
    (A) Industries
    (B) Transport
    (C) Banking
    (D) Agriculture and related sector

42. In which year economic liberalisation was initiated in India ?
    (A) 1990
    (B) 1991
    (C) 1992
    (D) 1993

43. Mahmud of Ghazni was accompanied by a great scholar known as
    (A) Ali Rhazes
    (B) Firdaus
    (C) Ibn. Batuta
    (D) Al-Beruni

44. Which was the capital city of Chola Kingdom ?
    (A) Madurai
    (B) Tanjavur
    (C) Kanyakumari
    (D) None of these

45. Who was the only woman ruler of Delhi Sultanate ?
    (A) Noorjahan
    (B) Razia Sultan
    (C) Mumtaz Mahal
    (D) Hamidabanu Begam

46. The Dutch established a settlement in Andhra Pradesh at
    (A) Erode
    (B) Deccan
    (C) Masullipatnam
    (D) None of these

47. Which of the following gases protects us from the harmful Sun rays ?
    (A) Carbon dioxide
    (B) Nitrogen
    (C) Ozone
    (D) None of these

48. Of the total volume of available water, 97 percent is in vast oceans, 2 percent is in the form of ice sheets and less than 1 percent is
    (A) Sea Water
    (B) River Water
    (C) Lake Water
    (D) Fresh Water

49. The zone which separates the troposphere from stratosphere is
    (A) Mesopause
    (B) Mesosphere
    (C) Tropopause
    (D) Stratopause

50. Manas Wildlife Sanctuary is in
    (A) Assam
    (B) West Bengal
    (C) Bihar
    (D) Arunachal Pradesh

DRFO (S)

51. A man is facing south. He turns 135° in the anticlockwise direction and then 180° in the clockwise direction. Which direction is he facing now ?
    (A) North-East   (B) North-West   (C) South-East   (D) South-West

52. Who has been appointed as the UN Women's Goodwill Ambassador for South Asia ?
    (A) Saina Nehwal   (B) Sania Mirza   (C) Neha Dhupia   (D) None of these

53. Who among the following Indians won the Nobel Peace Prize in 2014 for his struggle against suppression of child rights ?
    (A) Sunita Narain   (B) Medha Patkar
    (C) Anna Hazare   (D) Kailash Satyarthi

54. The food grains production for the year 2013-14 was
    (A) 264.4 mt.   (B) 164.4 mt.
    (C) 364.4 mt.   (D) 184.4 mt.

55. Among the world's top 15 countries, what is the rank of India in terms of services GDP (Gross Domestic Product) ?
    (A) 8th   (B) 15th   (C) 2nd   (D) 12th

56. The Government has proposed to launch a programme for increasing access to IT services in rural India called
    (A) IT India Programme   (B) Digital India Programme
    (C) Technology Mission   (D) Information Programme

57. Fiscal deficit for 2013-14 has been contained at _____ % of the GDP.
    (A) 5.8%   (B) 6.9%   (C) 3.2%   (D) 4.5%

58. Which State announced setting up "Nirbhaya" Centres in all districts across the State to provide prompt help to victims of crime against women ?
    (A) Uttar Pradesh   (B) Madhya Pradesh (C) Andhra Pradesh (D) Haryana

59. Which Hindi movie was selected as India's nomination for the best foreign film at the Oscars for the year 2015 ?
    (A) Lagaan   (B) Salaam Bombay
    (C) Liar's Dice   (D) None of these

60. The Committee to review environmental laws set up by Government of India is headed by
    (A) T. S. R. Subramanian   (B) Justice Nanavati
    (C) R. Ramanujam   (D) Hari Gautam

A

PART – B

61. The word FOREST is derived from the Latin word
    (A) Foris
    (B) Fores
    (C) Forex
    (D) Forix

62. In a prokaryotic cell there is absence of
    (A) Nucleus
    (B) True vacuoles
    (C) Ribosomes
    (D) (A) + (B)

63. Bacterial are included in the kingdom
    (A) Protista
    (B) Metaphyta
    (C) Animalia
    (D) Monera

64. Allelochemicals are released by means of
    (A) Volatilization
    (B) Leaching
    (C) Exudation
    (D) All the above

65. Polytrichum is a type of
    (A) Moss
    (B) Bryophyte
    (C) (A) + (B)
    (D) Liverwort

66. Casuarina equisetifolia is non leguminous
    (A) Nitrogen fixing tree
    (B) P. Solubilizer
    (C) Both
    (D) None of these

67. Indian Council of Forest Research and Education is located at
    (A) New Delhi
    (B) Allahabad
    (C) Mumbai
    (D) Dehra Dun

68. The most important characters of angiosperms are
    (A) Presence of ovary
    (B) Presence of fruits
    (C) Presence of stamens
    (D) Presence of carpels

69. Timber which are capable of withstanding rapid seasoning are termed as
    (A) Most refractory
    (B) Non refractory
    (C) Medium refractory
    (D) Refractory

70. The by product of photosynthesis is
    (A) Carbon dioxide
    (B) Oxygen
    (C) Energy
    (D) Sugar

71. Debris left after a logging operation is called
    (A) Duff
    (B) Waste
    (C) Slash
    (D) Stubble

A
(14)

72. Species suitable of cricket bat
   (A) Acacia nilotica
   (B) Ailanthus excels
   (C) Diospyros melanoxylon
   (D) Salix alba

73. A piece of wood having no vessels Trachea must be belong to
   (A) Teak
   (B) Mango
   (C) Pine
   (D) Palm

74. Which is not a type of leaf arrangement ?
   (A) Alternate
   (B) Opposite
   (C) Whorled
   (D) Oblique

75. The largest family among the Indian flora is
   (A) Fabaceae
   (B) Meliaceae
   (C) Asteraceae
   (D) Myrtaceae

76. Photosynthesis is most active in
   (A) Sun light
   (B) Yellow light
   (C) Red light
   (D) Green light

77. What will be left if Chlorophyll is burnt ?
   (A) Magnesium
   (B) Manganese
   (C) Iron
   (D) Sulphur

78. The conical root of carrot is a
   (A) Fibrous root
   (B) Tap root
   (C) Adventitious root
   (D) None of these

79. Linnaeus published
   (A) Genera Plantarum
   (B) Species Plantarum
   (C) (A) + (B)
   (D) None of these

80. This is the largest phylum of animal kingdom
   (A) Amphibia
   (B) Mollusca
   (C) Arthropoda
   (D) Aves

81. Blood sucking animal is
   (A) Neeris
   (B) Earthworm
   (C) Leech
   (D) (A) + (B)

DRFO (S)

82. Vibrio comma bacteria causes
   (A) Cholera
   (B) Diphtheria
   (C) Typhoid
   (D) Syphilis

83. The locomotary organs of Echinoderms are called
   (A) Parapodia
   (B) Pseudopodia
   (C) Tube feet
   (D) Setae

84. Directorate of Plant Protection Quarantine and Storage (DPPQS) was established in 1946 with headquarters
   (A) Ghaziabad
   (B) Faisabad
   (C) Faridabad
   (D) Faisalabad

85. Which one of the following is the distinctive feature of echinoderms ?
   (A) Water canal system
   (B) Ciliary system
   (C) Water vascular system
   (D) None of these

86. Father of Indian Mycology
   (A) E. J. Butler
   (B) K. C. Mehta
   (C) Mundakur
   (D) R. S. Singh

87. Lichen is an association between
   (A) Algae and Fungus
   (B) Bacterium and Fungus
   (C) Fungus and Virus
   (D) Fungus and Nematode

88. Who for the first time discovered antibiotics ?
   (A) Alexander Flemming
   (B) Stanely
   (C) Anton de Bary
   (D) Louis Pasteur

89. Succulents occurs in
   (A) Deserts
   (B) Tundra
   (C) Temperate deciduous forest
   (D) Tropical rain forest

90. Organisms living at the bottom of a lake are
   (A) Benthos
   (B) Biocene
   (C) Biocide
   (D) All the above

91. Viviparity and Pneumatophores are features of
   (A) Hydrophytes
   (B) Mesophytes
   (C) Xerophytes
   (D) Halophytes

92. Which of the following is not a milch breed of Indian cattle ?
   (A) Red sindhi
   (B) Rathi
   (C) Tharparkar
   (D) Sahiwal

A   (18)

93. The incubation period and temperature required for hatching of chicken egg is
   (A) 21 days and 40 degree C
   (B) 30 days and 34 degree C
   (C) 21 days and 37.6 degree C
   (D) 28 days and 37.5 degree C

94. Under the usual condition of Husbandry a female buffalo will produce its first calf at the age of
   (A) 5 to 6 years
   (B) 3.5 to 4.5 years
   (C) 2 to 3 years
   (D) 8 years

95. Which of the following may be the possible reason for better utilization of nutrients in Buffaloes ?
   (A) Larger rumen
   (B) High rate of salivation
   (C) Slow rumen motility
   (D) All of the above

96. The daily dry matter consumption of a cattle is
   (A) 10 kg per 100 kg body weight
   (B) 2-2.5 kg per 100 kg body weight
   (C) 6.5-7 kg per 100 kg body weight
   (D) Cannot be determined

97. Wrinkles or folds in the skin are qualities of which breed of sheep ?
   (A) Rambouillet   (B) Lincoln   (C) Merino   (D) Corriedale

98. Dehorning of the calf if desired should be done before
   (A) 10 days of age
   (B) It is 1 year old
   (C) 5 years of age
   (D) 2 years of age

99. Egg production in a layer hen commence at the age of
   (A) 42 weeks   (B) 22 weeks   (C) 1 year   (D) 18 months

100. What is a repeat breeder in context of cow or buffalo ?
   (A) One which calves at regular intervals
   (B) A breeding bull which has higher semen production
   (C) One which has normal reproductive tract and oestrus but inspite of been bred with fertile mail for 3 or more times fails to conceive
   (D) One which can not conceive due to anatomical defect

PART – C

101. Magnetic Quantum No. for last edition in sodium atom is equal to
     (A) 3   (B) 2   (C) 1   (D) 0

102. If 80 gram of radioactive isotope has half-life of 10 hour, the half-life of 2.0 gram of the same substance.
     (A) 2.5 hours   (B) 5 hours   (C) 10 hours   (D) 40 hours

103. In the long form of periodic table, the element having lowest ionization potentials are present in
     (A) I Group   (B) IV Group   (C) VII Group   (D) Zero Group

104. Which element has the lowest ?
     (A) Li   (B) F   (C) Fe   (D) Cl

105. Six gram of Magnesium atom (at lowest = 24) reacts with excess of an acid, the amount of Hydrogen produced would be
     (A) 0.5 gram   (B) 1.0 gram   (C) 2 gram   (D) 4 gram

106. Which one is a covalent compound ?
     (A) $Ae_2(So_4)_3$ (B) $Ae\, Cl_3$ (C) $Ae\, F_3$ (D) $Al_2\, O_3$

107. The largest bond angle is in
     (A) $A_8\, H_3$ (B) NH_3 (C) H_2O (D) PH_3

108. Presence of Hydrogen in organic compounds is deleted by
     (A) Iodoform Test   (B) Millon's Test
     (C) Silver Nitrate Test   (D) Beilstein Test

109. The Empirical formula of an acid is CH_2O_2, the probable molecular formula of the acid may be
     (A) $C_2H_4O_2$ (B) $C_3H_6O_4$ (C) $C_2H_4O_1$ (D) CH_2O_2

110. $CH_2 - C - CH_3$ and $CH_2 = C - CH_3$ are
          $\overset{\|}{O}$ $\overset{|}{\circ O \circ}$
     (A) Resonating structure   (B) Tauloments
     (C) Geometrical isomers   (D) Optical isomers

111. Which of the following reactions will yield 2, 2-dibromo propane ?

(A) $HC \equiv CH + 2HBr \rightarrow$

(B) $CH_3C \equiv CH + 2HBr \rightarrow$

(C) $CH_3CH \equiv CH_2 + HBr \rightarrow$

(D) $CH_3CH \equiv CHBr + HBr \rightarrow$

112. Electrode potential of Zn^{2+}/Zn is -0.76 V and Cu^{2+}/Cu is $+0.34$ V. The EMF of the cell constructed between these two electrodes is

(A) 1.10 V
(B) 0.42 V
(C) -1.1 V
(D) -0.42 V

113. The amount of heat measured for a reaction in a bomb calorimeter is

(A) ΔG
(B) ΔH
(C) ΔE
(D) $P \Delta V$

114. The Tyndall effect will be observed in

(A) Solution
(B) Precipitate
(C) Sol
(D) Vapour

115. Transition elements are

(A) S-block
(B) P-block
(C) d-block
(D) None of these

116. Which ion given crimson colour in frame ?

(A) K^+
(B) Ba^{2+}
(C) Sr^{2+}
(D) Ca^{2+}

117. Acetamide reacts with NaOBr in alkaline medium to form

(A) NH_3
(B) CH_3NH_2
(C) CH_3CN
(D) $CH_3CH_2NH_2$

118. Tautomerism involves

(A) Change in edition distribution
(B) Change in position of Hydrogen
(C) Resonance
(D) None of the above

119. The compound which is not isomeric with diethyl ether is

(A) n-Propyl methyl ether
(B) Buton-1-ol
(C) 2-Methyl propan-2-ol
(D) Butanone

120. An integral solution of the equation $\tan^{-1}x + \tan^{-1}(1/y) = \tan^{-1}3$ is

(A) (1, 4)
(B) (4, 13)
(C) (2, 1)
(D) None of the above

121. The least velocity with which a cricket ball can be thrown 80 meters horizontally is

(A) 28 m/s
(B) 35 m/s
(C) 9.8 m/s
(D) 71 m/s

(Value of g is 9.8 m/s^2)

122. A ladder of weight W rests at an angle α to the horizontal, with its ends resting on a smooth floor and against a smooth vertical wall. The lower end is joined by a rope to the junction of the wall and floor. The tension in the rope is
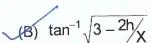
(A) $W \cot \alpha$

(B) $\frac{1}{2} W \cot \alpha$

(C) $\frac{1}{4} W \cot \alpha$

(D) $W \sqrt{Sm^2 \alpha + 5}$

123. From the top of a cliff X meters high, the angle of depression of the foot of a tower is found to be double the angle of elevation of the tower. If the height of the tower is h, the angle of elevation is

(A) $\sin^{-1} \sqrt{X/(2-h)}$

(B) $\tan^{-1} \sqrt{3 - 2h/X}$

(C) $\sin^{-1} \sqrt{2h/X}$

(D) $\cos^{-1} \sqrt{2h/X}$

124. The point of intersection of the tangents to the parabola $Y^2 = 4X$ at the points where the circle $(X-3)^2 + Y^2 = 9$ meets the parabola other than the origin is

(A) $(-2, 0)$ (B) $(1, 0)$ (C) $(0, 0)$ (D) $(-1, -1)$

125. A particle moves along a curve so that it coordinates at time t are $x = t$, $y = \frac{1}{2}t^2$, $z = \frac{1}{3}t^3$.

The acceleration at $t = 1$ is

(A) $\hat{j} + 2\hat{k}$

(B) $\hat{j} + \hat{k}$

(C) $2\hat{j} + \hat{k}$

(D) None of these

126. If $\sin 32° = K$ and $\cos x = 1 - 2K^2$, α, β are the values of x between 0° and 360° with $\alpha < \beta$, then

(A) $\alpha + \beta = 180°$ (B) $\beta - \alpha = 200°$ (C) $\beta = 4\alpha + 40°$ (D) $\beta = 5\alpha - 20°$

127. The value of integral $\int \frac{dx}{x\sqrt{1-x^2}}$ is given by

(A) $\frac{1}{3} \log \left| \frac{\sqrt{(1-x^2)} + 1}{\sqrt{(1-x^2)} - 1} \right| + c$

(B) $\frac{1}{3} \log \left| \frac{\sqrt{1-x^3} - 1}{\sqrt{1-xy} + 1} \right| + c$

(C) $\frac{2}{3} \log \left| \frac{1}{\sqrt{1-x^3}} \right| + c$

(D) $\frac{1}{3} \log \left| 1-x^3 \right| + c$

A   (26)

128. The real part of $z = \dfrac{1}{1 - \cos\theta + i\sin\theta}$ is

    (A) $\dfrac{1}{1 - \cos\theta}$ (B) $\dfrac{1}{2}$ (C) $\dfrac{1}{2}\tan\theta$ (D) 2

129. In a triangle ABC if

    $\cot A = (X^3 + X^2 + X)^{1/2}$

    $\cot B = (X + X^{-1} + 1)^{1/2}$ and

    $\cot C = (X^{-3} + X^{-2} + X^{-1})^{-1/2}$ then triangle. (Note $A \ne B$)

    (A) Isosceles   (B) Obtuse angled

    (C) Right angled   (D) None of these

130. Two men are carrying a straight uniform bar 16 m long weighing 88 N. One man supports it at a distance of 2 m from one end and the other at a distance of 3 m from the other end. The weights men are bearing are

    (A) 45 N, 43 N   (B) 40 N, 48 N

    (C) 32 N, 56 N   (D) None of these

131. A person can see clearly only upto a distance of 30 cms. He wants to read a book placed at a distance of 50 cms from his eyes. What is the power of lense he requires for his spectacles ?

    (A) – 1.0 D   (B) – 1.33 D   (C) – 1.67 D   (D) – 2.0 D

132. An electromagnetic wave is produced by oscillating electric and magnetic fields $\vec{E}$ and $\vec{B}$. Choose the incorrect statement from the following.

    (A) $\vec{E}$ is perpendicular to $\vec{B}$

    (B) $\vec{E}$ is perpendicular to the direction of propagation of wave

    (C) $\vec{B}$ is perpendicular to the direction of propagation of the wave

    (D) $\vec{E}$ is parallel to $\vec{B}$.

133. A half wave rectifier is being used to rectify an alternating voltage of frequency 50 Hz. The No. of pulses of rectified current obtained in one second is

    (A) 50   (B) 25

    (C) 100   (D) 200

134. A beaker is filled with water to a height of 8.00 cm, the apparent depth of a needle fixed at the bottom of the beaker as measured by a Traveller Microscope is found to be 6.00 cm. If the height of water in the beaker is increased to 12.0 cm, by what distance would the microscope have to be moved from the needle again ?

    (A) 3 cm   (B) 4 cm   (C) 5 cm   (D) 6 cm

135. A tube of length L is filled completely with an incompressible liquid of mass M and closed at both the ends. The tube is then rotated in a horizontal plane about one of its ends with a uniform angular velocity ω. The force exerted by the liquid at the other end is

    (A) $\dfrac{M\omega^2 L}{2}$ (B) $M\omega^2 L$ (C) $\dfrac{M\omega^2 L}{4}$ (D) $\dfrac{M\omega^2 L^2}{2}$

136. The distance between the centres of earth and moon is d. The mass of the earth is 81 times, that of the moon. At what distance from the centre of moon on the line joining the centres of the earth and moon is a weight of a body zero ?

    (A) $\dfrac{d}{10}$ (B) $\dfrac{d}{9}$ (C) $\dfrac{8d}{9}$ (D) $\dfrac{d}{81}$

137. A metallic sphere A of radius a carries a charge Q. It is brought in contact with an uncharged sphere B of radius b. The charge on sphere A now will be

    (A) $\dfrac{aQ}{b}$ (B) $\dfrac{bQ}{a}$ (C) $\dfrac{bQ}{a+b}$ (D) $\dfrac{aQ}{a+b}$

138. A 25 KW dc generator produces a potential difference 250 V. If the resistance of the transmission line is $1\,\Omega$, what percentage of the original power is lost during transmission ?

    (A) 40%   (B) 50%   (C) 60%   (D) 75%

139. A space craft of mass M explodes into two parts when its velocity is V. After the explosion, one part of the mass m is left stationary. What is the velocity of the other part ?

    (A) $\dfrac{MV}{(M+m)}$ (B) $\dfrac{MV}{(M-m)}$ (C) $\dfrac{mV}{(M-m)}$ (D) $\dfrac{MV}{m}$

140. A body of mass m is dropped from a certain height. It has a velocity v and it is at a height h above the ground. Which of the following will remain constant during the free fall ?

    (A) $v^2 + 2gh$ (B) $v^2 - 2gh$ (C) $v + \sqrt{2gh}$ (D) $v - \sqrt{2gh}$

A

DRFO (S)

SPACE FOR ROUGH WORK

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DRFO (F)

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3. Before opening the booklet, take out the OMR sheet kept inside the question paper carefully and write your name, registration number, Question paper version code, sign at the appropriate place on the OMR sheet and get the invigilator's signature in the place provided in the OMR.
4. Each question is followed by **four** responses, of which only one is complete and the most correct. Please mark the response which you feel is most correct and complete by fully darkening the oval of that answer in the OMR sheet.
5. **There is no negative marking. However if more than one response is marked for a question, the answer shall be evaluated as wrong option marked and the candidate shall be awarded zero marks for that question. Therefore, mark only one answer.**
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10. So go ahead. Best of luck.

ಬಹುಮುಖ್ಯ ಸೂಚನೆಗಳು

[ಪರೀಕ್ಷೆಯ ಸಮಯದಲ್ಲಿ ಮೊಬೈಲ್ ಫೋನ್ ಮತ್ತು ಕ್ಯಾಲ್ಕುಲೇಟರ್, ಯಾವುದೇ ಬ್ಲೂಟೂತ್/ವೈಫೈ ಸಾಧನಗಳನ್ನು ತರಬಾರದು.
ನೀವು ಇವುಗಳನ್ನು ಪರೀಕ್ಷಾ ಕೊಠಡಿಯೊಳಗೆ ತಂದಲ್ಲಿ ನಿಮ್ಮ ಅಭ್ಯರ್ಥಿತನವನ್ನು ನೀವು ಕಳೆದುಕೊಳ್ಳುತ್ತೀರಿ.]

1. ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿ ಬರೆಯಲು ಮತ್ತು ಉತ್ತರಗಳನ್ನು ಗುರುತಿಸಲು ಕಡ್ಡಾಯವಾಗಿ ನೀಲಿ ಅಥವಾ ಕಪ್ಪು ಬಣ್ಣದ ಬಾಲ್‌ಪಾಯಿಂಟ್ ಪೆನ್ನನ್ನು ಉಪಯೋಗಿಸಿ.
2. ಎಲ್ಲಾ 100 ಪ್ರಶ್ನೆಗಳು ಕಡ್ಡಾಯ ಮತ್ತು ಸಮಾನ ಅಂಕಗಳನ್ನು ಹೊಂದಿರುತ್ತವೆ.
3. ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯನ್ನು ತೆರೆಯುವ ಮೊದಲು ಅದರ ಜೊತೆಯಲ್ಲಿರುವ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯನ್ನು ಸುರಕ್ಷಿತವಾಗಿ ಹೊರಗಡೆ ತೆಗೆಯುವುದು. ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯ ನಿಗದಿತ ಸ್ಥಳದಲ್ಲಿ ನಿಮ್ಮ ಹೆಸರು, ನೋಂದಣಿ ಸಂಖ್ಯೆ ಮತ್ತು ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯ ಶ್ರೇಣಿಯನ್ನು ನಿಗದಿಪಡಿಸಿದ ಕಲಂಗಳಲ್ಲಿ ಭರ್ತಿ ಮಾಡುವುದು ಹಾಗೂ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯ ನಿಗದಿತ ಅಂಕಣದಲ್ಲಿ ಪರೀಕ್ಷಾ ಮೇಲ್ವಿಚಾರಕರ ಸಹಿ ಮಾಡಿಸುವುದು.
4. ಪ್ರತೀ ಪ್ರಶ್ನೆಗೆ ನಾಲ್ಕು ಉತ್ತರಗಳನ್ನು ಕೂಡಲಾಗಿದೆ. ಇವುಗಳಲ್ಲಿ ಒಂದು ಮಾತ್ರ ಪರಿಪೂರ್ಣ ಮತ್ತು ಸರಿಯಾದುದು. ಯಾವ ಉತ್ತರ ಪರಿಪೂರ್ಣ ಮತ್ತು ಸರಿ ಎಂದು ನೀವು ಭಾವಿಸುತ್ತೀರೋ ಅದನ್ನು ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿನ ಉತ್ತರ ವೃತ್ತವನ್ನು ಸಂಪೂರ್ಣವಾಗಿ ಗುರುತು ಮಾಡುವ ಮೂಲಕ ದಾಖಲಿಸಿ.
5. **ನಕಾರಾತ್ಮಕ ಅಂಕಗಳಿರುವುದಿಲ್ಲ. ಆದರೆ, ನೀವು ಒಂದಕ್ಕಿಂತ ಹೆಚ್ಚು ಉತ್ತರವನ್ನು ಒಂದು ಪ್ರಶ್ನೆಗೆ ನೀಡಿದರೆ, ಇವುಗಳನ್ನು ಮೌಲ್ಯಮಾಪನ ಮಾಡುವಾಗ ತಪ್ಪು ಆಯ್ಕೆ ಎಂದು ಪರಿಗಣಿಸಿ, ಆ ಪ್ರಶ್ನೆಗೆ ಶೂನ್ಯ ಅಂಕವನ್ನು ನೀಡಲಾಗುವುದು. ಆದ್ದರಿಂದ, ಒಂದೇ ಉತ್ತರವನ್ನು ಗುರುತಿಸಿ.**
6. ಒಂದೊಮ್ಮೆ ನೀವು ಗುರುತಿಸಿದ ಉತ್ತರವು ತಜ್ಞ ಸಮಿತಿಯ ನಿರ್ಧರಿಸಿದ ಸರಿಯಾದ ಉತ್ತರಕ್ಕೆ ಹೊಂದಿಕೆಯಾಗುವುದಾದರೆ ಪೂರ್ಣ ಅಂಕಗಳನ್ನು ನಿಮಗೆ ನೀಡಲಾಗುವುದು.
7. ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯನ್ನು ಮಡಚುವುದಾಗಲಿ, ಹರಿಯುವುದಾಗಲಿ, ಕೊಳೆ ಮಾಡುವುದಾಗಲಿ ಮಾಡಬಾರದು. ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಅಸಭ್ಯ ರೀತಿಯ ಗುರುತು ಮಾಡಬಾರದು.
8. ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯ ಹಿಂದಿನ ಪುಟದ ಖಾಲಿ ಜಾಗವನ್ನು ನಿಮ್ಮ ಕರಡು ಕೆಲಸಕ್ಕೆ ಉಪಯೋಗಿಸಬಹುದು.
9. ಪ್ರಶ್ನೆಗಳನ್ನು ಕನ್ನಡ ಮತ್ತು ಆಂಗ್ಲ ಭಾಷೆಗಳಲ್ಲಿ ನೀಡಲಾಗಿದೆ. ಆದರೆ ಇವೆರಡರ ಮಧ್ಯೆ ಯಾವುದೇ ಅಸ್ಪಷ್ಟತೆ ಕಂಡುಬಂದಲ್ಲಿ, ಆಂಗ್ಲ ಭಾಷೆಯ ಪ್ರಶ್ನೆಯನ್ನು ಸರಿಯಾದ ಪ್ರಶ್ನೆಯೆಂದು ಪರಿಗಣಿಸಿ.
10. ಮುಂದುವರೆಯಿರಿ. ನಿಮಗೆ ಶುಭವಾಗಲಿ.

[P.T.O.

1. How many hundreds must be added to 30 thousands to get 1 million ?
   (A) 97   (B) 9700   (C) 97000   (D) 970000

2. Find the next number in the series given below :
   8888, 666, 44, ...
   (A) 22   (B) 2   (C) 0   (D) 864

3. Janaki eats 3 to 5 apples each week. What is the reasonable number of apples Janaki will eat in 7 weeks ?
   (A) More than 50   (B) About 21 to 35
   (C) About 36 to 50   (D) Fewer than 21

4. Mr. and Mrs. Rao have three daughters. Each of them has two brothers. How many children are there is Rao's family ?
   (A) 11   (B) 9   (C) 7   (D) 5

5. P is the largest factor of 48 and Q is its smallest multiple. Find the value of 2P + 3Q.
   (A) 240   (B) 360   (C) 120   (D) 180

6. Aakash's age is a factor of 14. Next year his age will be a multiple of 5. How old will be in 6 year's time ?
   (A) 15 years   (B) 21 years   (C) 14 years   (D) 20 years

7. Study the following :
   ❖ The number is between 10 and 50
   ❖ It is a multiple of 6
   ❖ It is a factor of 96
   Which of the following is NOT a possible value of the number ?
   (A) 12   (B) 24   (C) 30   (D) 48

8. What is the value of X if it is the H.C.F. of 240 and 288 ?
   (A) 48   (B) 16   (C) 30   (D) 32

9. The Fish Bowl store had a sale. During the sale, the store gave away two kinds of fish, i.e., gold fish and cat fish.
   ❖ Every 5th customer received a free gold fish
   ❖ Every 12th customer received a free cat fish.
   There were 134 customers on the day of the sale, estimate the number of customers who received both a free gold fish and a free cat fish ?
   (A) 2   (B) 11   (C) 26   (D) 37

A   (2)

10. A set of warning lights flashes every 3 seconds, another set flashes every 5 seconds and third set flashes every 8 seconds. If they all flash together at 12.00 noon, at what time will they together again ?

    (A) 12.01 p.m.   (B) 12.02 p.m.   (C) 12.06 p.m.   (D) 12.15 p.m.

11. A nylon string 18 m long is cut into equal pieces of 0.2 m each. How many equal pieces are obtained ?

    (A) 180   (B) 90   (C) 9   (D) 360

12. Find the correct descending order of the given masses :

    7.381 kg, 8 kg, 7.83 kg, 7⅗ kg

    (A) 7.381 kg, 7⅗ kg, 7.83 kg, 8 kg   (B) 7.381 kg, 8 kg, 7⅗ kg, 7.83 kg

    (C) 7.83 kg, 7⅗ kg, 7.381 kg, 8 kg   (D) 8 kg, 7.83 kg, 7⅗ kg, 7.381 kg

13. The capacity of a cylindrical tank is 32 litres. It is $\frac{4}{5}$ full of water. A quarter of this volume of water is poured into a pail. How much water is left in the cylindrical tank ?

    (A) 15 ⅑ litres   (B) 19⅗ litres   (C) 19 ⅕ litres   (D) 15⅗ litres

14. Which of the following is one of the congruent parts of a circle divided by its diameter ?

    (A) A semi circle   (B) A quarter circle
    (C) A chord   (D) A circular region

15. If GIVE is coded as 5137 and BAT is coded as 924, how is GATE coded ?

    (A) 5427   (B) 2547   (C) 5247   (D) 5724

16. In a certain code language, '479' means 'fruit is sweet', '248' means 'very sweet voice' and '637' means 'eat fruit daily' which digit stands for 'is' in that code ?

    (A) 7   (B) 9
    (C) 4   (D) Can not be determined

17. An inspector of schools wishes to distribute 84 bells and 180 bats equally among a number of boys. Find the greatest number receiving the gift on this way.

    (A) 6   (B) 18   (C) 12   (D) 7

18. There is a circular path around a sports field. Rohan takes 18 minutes to drive one round of the field, while Raju takes 12 minutes for the same. Suppose they both start at the same point and at the same time and go in the same designation, after how many minutes will they meet again at the starting point ?

    (A) 36 minutes   (B) 12 minutes   (C) 18 minutes   (D) 6 minutes

19. An army contingent of 616 members is to march behind an army band of 32 members in a parade. The two groups are to march in the same number of columns. What is the maximum number of column in which they can march ?

    (A) 4   (B) 7   (C) 8   (D) 11

20. Kavita obtained 16, 14, 18 and 20 marks (out of 25) in Maths in weekly tests in the month of January 2014. Then the mean marks of Kavita is

    (A) 16   (B) 16.5   (C) 17   (D) 17.5

21. A school has 20 teachers, one of them retires at the age of 60 years and a new teacher replaces him, this change reduces the average age of the staff by 2 years, the age of new teacher is

    (A) 28 years   (B) 25 years   (C) 20 years   (D) 18 years

22. A train travels forest 300 km at an average rate of 30 km per hour and further travels the same distance at an average rate of 60 km per hour, then the average speed over the whole distance is

    (A) 35 km per hour   (B) 40 km per hour
    (C) 42 km per hour   (D) 45 km per hour

23. The folk stories about Buddha are known as

    (A) Jataka Tales   (B) Panchatantra   (C) Ramayana   (D) Mahabharata

24. Who was the Greek ambassador at the court of Chandragupta Maurya ?

    (A) Hiuen Tsang   (B) Fahien   (C) Megasthenese   (D) None of these

25. Harappa is located in which present day province of Pakistan ?

    (A) Peshawar   (B) Punjab
    (C) Sindh   (D) None of these

26. Who was the son of Bimbisara ?

    (A) Ajatashatru   (B) Chandragupta   (C) Ashoka   (D) None of these

27. Svetambara and Digambara are two sects of which religion ?

    (A) Buddhism   (B) Jainism
    (C) Hinduism   (D) None of these

28. The Gateway of India was built to

    (A) Commemorate the visit of Queen Victoria to Bombay
    (B) Commemorate the visit of King George and Queen Mary to Bombay
    (C) In memory of Queen Victoria
    (D) In memory of the soldiers who died fighting in World Wars

29. In the beginning of their trade, the British East India Company's main Centre of trade in India was
    (A) Bombay　　　(B) Calcutta　　　(C) Madras　　　(D) Surat

30. Why did the farmers of Champaran and Darbhanga revolt against the British in 1866 ?
    (A) The British forced the farmers to grow Indigo in place of food crops
    (B) They were fighting for India's independence from the rule of the British
    (C) The British built canals for the people of Punjab, but did not do so in Bihar
    (D) All of the above

31. The fortified area which became the nucleus of British Madras was
    (A) The village of Madraspatnam　　　(B) Fort St. George
    (C) Fort William　　　(D) Mazagaon

32. Which Act passed by British Government in 1919 empowered the Government to imprison anyone without a trial ?
    (A) Ilbert Act　　　(B) Indian Arms Act
    (C) Rowlatt Act　　　(D) None of the above

33. Who was the founder of the Indian National Congress ?
    (A) Dadabhai Naoroji　　　(B) Allan Octavian Hume
    (C) S. Subramani Iyer　　　(D) W. C. Bannerjee

34. The Jallianwala Bagh massacre took place in which year ?
    (A) 1919　　　(B) 1929　　　(C) 1911　　　(D) 1921

35. Who was the Chairman of the Constituent Assembly ?
    (A) Dr. B. R. Ambedkar　　　(B) Dr. Rajendra Prasad
    (C) Pandit Jawaharlal Nehru　　　(D) Mahatma Gandhi

36. Which revolutionary leader was hanged by the British for killing Saunders ?
    (A) V. D. Savarkar　　　(B) Bhagat Singh
    (C) Lala Lajpat Rai　　　(D) C. Rajagopalachari

37. What was the immediate cause of the revolt of 1857 ?
    (A) The annexation of Awadh
    (B) The rumour that catridge of the new Enfield rifle was greased with the fat of cows and pigs
    (C) The banning of Sati by the British
    (D) None of the above

38. Who of the following was responsible for introducing Western education in India ?
    (A) Lord Curzon　　　(B) Lord Mountbatten
    (C) Lord Irwin　　　(D) Lord Macaulay

DRFO (F)

||||||||||||||||||||||||||||||||

39. Who founded the Brahmosamaj in 1830 for initiating social reforms ?
    (A) Raja Ram Mohan Roy
    (B) Ishwar Chandra Vidyasagar
    (C) Swami Dayanand Saraswati
    (D) None of these

40. The National Rural Employment Guarantee Act was passed in the year
    (A) 2000
    (B) 2002
    (C) 2005
    (D) 2007

41. Primary sector of the economy refers to
    (A) Industries
    (B) Transport
    (C) Banking
    (D) Agriculture and related sector

42. In which year economic liberalisation was initiated in India ?
    (A) 1990
    (B) 1991
    (C) 1992
    (D) 1993

43. Mahmud of Ghazni was accompanied by a great scholar known as
    (A) Ali Rhazes
    (B) Firdaus
    (C) Ibn. Batuta
    (D) Al-Beruni

44. Which was the capital city of Chola Kingdom ?
    (A) Madurai
    (B) Tanjavur
    (C) Kanyakumari
    (D) None of these

45. Who was the only woman ruler of Delhi Sultanate ?
    (A) Noorjahan
    (B) Razia Sultan
    (C) Mumtaz Mahal
    (D) Hamidabanu Begam

46. The Dutch established a settlement in Andhra Pradesh at
    (A) Erode
    (B) Deccan
    (C) Masullipatnam
    (D) None of these

47. Which of the following gases protects us from the harmful Sun rays ?
    (A) Carbon dioxide
    (B) Nitrogen
    (C) Ozone
    (D) None of these

48. Of the total volume of available water, 97 percent is in vast oceans, 2 percent is in the
    form of ice sheets and less than 1 percent is
    (A) Sea Water
    (B) River Water
    (C) Lake Water
    (D) Fresh Water

49. The zone which separates the troposphere from stratosphere is
    (A) Mesopause
    (B) Mesosphere
    (C) Tropopause
    (D) Stratopause

50. Manas Wildlife Sanctuary is in
    (A) Assam
    (B) West Bengal
    (C) Bihar
    (D) Arunachal Pradesh

51. A man is facing south. He turns 135° in the anticlockwise direction and then 180° in the clockwise direction. Which direction is he facing now ?
    (A) North-East   (B) North-West   (C) South-East   (D) South-West

52. Who has been appointed as the UN Women's Goodwill Ambassador for South Asia ?
    (A) Saina Nehwal   (B) Sania Mirza   (C) Neha Dhupia   (D) None of these

53. Who among the following Indians won the Nobel Peace Prize in 2014 for his struggle against suppression of child rights ?
    (A) Sunita Narain   (B) Medha Patkar
    (C) Anna Hazare   (D) Kailash Satyarthi

54. The food grains production for the year 2013-14 was
    (A) 264.4 mt.   (B) 164.4 mt.
    (C) 364.4 mt.   (D) 184.4 mt.

55. Among the world's top 15 countries, what is the rank of India in terms of services GDP (Gross Domestic Product) ?
    (A) 8th (B) 15th (C) 2nd (D) 12th

56. The Government has proposed to launch a programme for increasing access to IT services in rural India called
    (A) IT India Programme   (B) Digital India Programme
    (C) Technology Mission   (D) Information Programme

57. Fiscal deficit for 2013-14 has been contained at _____ % of the GDP.
    (A) 5.8%   (B) 6.9%   (C) 3.2%   (D) 4.5%

58. Which State announced setting up "Nirbhaya" Centres in all districts across the State to provide prompt help to victims of crime against women ?
    (A) Uttar Pradesh   (B) Madhya Pradesh   (C) Andhra Pradesh(D) Haryana

59. Which Hindi movie was selected as India's nomination for the best foreign film at the Oscars for the year 2015 ?
    (A) Lagaan   (B) Salaam Bombay
    (C) Liar's Dice   (D) None of these

60. The Committee to review environmental laws set up by Government of India is headed by
    (A) T. S. R. Subramanian   (B) Justice Nanavati
    (C) R. Ramanujam   (D) Hari Gautam

A   (12)

61. The habitat which is neither dry nor wet.

    (A) Xeric
    (B) Mesic
    (C) Hydric
    (D) None of these

62. The water rises above the water table up to some extent under the force of capillary action known as

    (A) Ground water
    (B) Capillary fringe
    (C) Capillary water
    (D) Hygroscopic water

63. Container which avoids root coiling

    (A) Polybag
    (B) Brick container
    (C) Dona
    (D) Root trainer

64. *Mesua ferrea is found in*

    (A) Western Ghats
    (B) Vindhya Hills
    (C) Deccan Plateau
    (D) None of these

65. A tree that normally remains leafless for some time during the year is called as

    (A) Evergreen
    (B) Deciduous
    (C) Light demander
    (D) None of these

66. Stilt root is also called as

    (A) Tap root
    (B) Lateral root
    (C) Adventitious roots
    (D) None of these

67. A plant community owing its characters to the influence of special soil factors is referred to as

    (A) Edaphic climax
    (B) Climatic climax
    (C) Biotic climax
    (D) Post climax

68. In India, an organization which measures and records the change in forest cover and area is

    (A) ICFRE
    (B) FSI
    (C) IWST
    (D) ZSI

DRFO (F)

69. The system which is compromise between shelterwood group system and selection system
    (A) Irregular shelterwood system
    (B) Indian irregular shelterwood system
    (C) Strip and group system
    (D) None of these

70. Which of the following hills are found where the eastern ghats and the western ghats meet ?
    (A) Anaimalai Hills
    (B) Cardamom Hills
    (C) Nilgiri Hills
    (D) Shevoroy Hills

71. The Indian Irregular shelterwood system was for the first time called by
    (A) Trevor
    (B) Glover
    (C) Karl Gayer
    (D) None of these

72. Out of all the Biosphere Reserves in India, four have been recognized on the World Network by UNESCO. Which one of the following is not one of them ?
    (A) Gulf of Mannar
    (B) Kanchanajunga
    (C) Nanda Devi
    (D) Sunderbans

73. The pH of alkaline soils is
    (A) Less than 7.5
    (B) More than 7.5
    (C) Equal to 7.0
    (D) None of these

74. The III National Forest Policy was enunciated in the year
    (A) 1975
    (B) 1952
    (C) 1988
    (D) 1990

75. In the Indian context of wildlife, the flying fox is a
    (A) Bat
    (B) Kite
    (C) Stork
    (D) Vulture

76. The State which has highest number of tiger population in India is
    (A) Tamil Nadu
    (B) Kerala
    (C) Madhya Pradesh
    (D) Karnataka

A

DRFO (F)

77. The lump sum sale of forest produce may be by
    (A) Auction
    (B) Tender
    (C) Both A and B
    (D) None of these

78. Suitable species for supplementing natural regeneration
    (A) Exotics
    (B) Hardy species
    (C) Original species
    (D) None of these

79. The material that a forest can yield annually or periodically in perpetuity is called as
    (A) Normal yield
    (B) Progressive yield
    (C) Sustained yield
    (D) None of these

80. The keys in Sitars are made from the wood of
    (A) *Dalbergia latifolia*
    (B) *Toona ciliata*
    (C) *Dalbergia sissoo*
    (D) *Tectona grandis*

81. When windbreaks are erected the sheltered area may go up to _____ times the height of the trees in leeward side.
    (A) 15 – 25
    (B) 5 – 10
    (C) 2 – 5
    (D) 25 – 35

82. In India standard height used for measurement of diameter/girth of a standing tree is
    (A) 1.37 m
    (B) 1.73 m
    (C) 1.25 m
    (D) 1.75 m

83. The rate of a taper of a log or stem is called as
    (A) Form point
    (B) Form
    (C) Form Quotient
    (D) Taper

84. The increase in growth that takes place in a particular year is called as
    (A) MAI
    (B) CAI
    (C) PAI
    (D) None

85. The period which the forest crop takes between its formation and final felling is known as
    (A) Rotation
    (B) Technical rotation
    (C) Silvicultural rotation
    (D) None

86. A written scheme of management aiming at continuity of policy and action and controlling the treatment of a forest is called as
    (A) Working area
    (B) Working plan
    (C) Annual plan
    (D) None

DRFO (F)

87. On a map a series of closed contours with higher values of contours inside represent what ?
    - (A) Water body
    - (B) Peak
    - (C) Depression
    - (D) Road

88. Genera like *Dipterocarpus, Shorea, Canarium* etc. are found in
    - (A) Dry scrubs
    - (B) Wet evergreen forests
    - (C) Hill forests
    - (D) Dry deciduous forest

89. Which one of the following is not the subsidiary of ICFRE ?
    - (A) Forest Research Institute
    - (B) Institute of Forest Genetics and Tree Breeding
    - (C) Institute of Wood Science and Technology
    - (D) Central Agro-forestry Research Institute

90. Malabar kino is the gum obtained from which of the following tree ?
    - (A) *Pterocarpus marsupium*
    - (B) *Prosopis juliflora*
    - (C) *Azadirachta indica*
    - (D) *Azadirichta indica*

91. Which of these following bamboo found commonly in Karnataka ?
    - (A) Bambusa arundinacea
    - (B) Dendrocalamus strictus
    - (C) Muli bamboo
    - (D) Both A and B

92. A tree that has been selected for grading because of its desirable phenotypic qualities but not yet been graded is called
    - (A) Candidate tree
    - (B) Select tree
    - (C) Plus tree
    - (D) Check tree

93. Which of the following region represent cold desert ecosystem ?
    - (A) Bikaner
    - (B) Desert National Park, Rajasthan
    - (C) Mukruti forest of TN
    - (D) Spiti valley of HP

94. Soligas are the ethnic tribes found in
    - (A) Andaman and Nicobar Islands
    - (B) Anshi National Park
    - (C) Kudremukh National Park
    - (D) BRT Tiger Reserve

A

95. A species whose addition or its loss from an ecosystem leads to major changes in abundance of at least one other species is called

    (A) Flagship species
    (B) Indicator species
    (C) Dominant species
    (D) Keystone species

96. Which of the following is known as dancing deer ?

    (A) Kashmir red deer
    (B) Swamp deer
    (C) Brow antlered deer
    (D) Himalayan musk deer

97. Black panther is

    (A) Sub species of *Panthera pardus*
    (B) A melanistic form of the Panther pardus
    (C) Different genus with the name *Uncia uncia*
    (D) None of the above

98. Who is the Chairman of National Board for Wildlife ?

    (A) Cabinet Minister of Ministry of Environment and Forests
    (B) Prime Minister
    (C) Nominated Forest Minister of any of the State
    (D) Secretary of MOEF

99. The four venomous snake species responsible for causing the most human snakebite cases in India are also referred to as 'the big four'. Which of the following is not one of them ?

    (A) Spectacled cobra
    (B) Common Krait
    (C) Monocled cobra
    (D) Saw-Scaled viper

100. If g is girth of a log at its middle point and l is the length, the volume of the log can be given as

    (A) $V = lg/4$
    (B) $V = lg^2/16$
    (C) $V = gl^2/16$
    (D) None of the above

A

(22)

DRFO (F)

A