

83 D

QUESTION BOOKLET
Entrance test for B.Ed. Admission /
B.Ed. Arts and Science Stream 2015
General Instructions

Total Page : 32
Full Mark : 150
Duration of Test : 2 hr 30 min

Roll Number:

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QP Code: **83 D**

INSTRUCTIONS FOR MARKING ANSWERS

- This Computerized OMR Answer Sheet is to be filled in by BLACK INK / BLUE BALL – POINT PEN Only.
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ନିମ୍ନ ଉଦାହରଣରେ ଦର୍ଶାଯାଇଥିବା ଭଳି ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉତ୍ତର ପାଇଁ କେବଳ ଗୋଟିଏ ହିଁ ଗୋଲ କଳା କରନ୍ତୁ । ଉଦାହରଣରେ ଦର୍ଶାଯାଇଥିବା ଭଳି ପୂରା ଗୋଲରେ ଗାଢ଼ କଳା / ନୀଳ ରଙ୍ଗ କରି ଚିହ୍ନ କରାଯିବା ଉଚିତ ।
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ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ଗୋଟିଏ ନିର୍ଦ୍ଦିଷ୍ଟ ଉତ୍ତର ଅଛି । ଯଦି ଗୋଟିଏ ନିର୍ଦ୍ଦିଷ୍ଟ ପ୍ରଶ୍ନର ଉତ୍ତର ପାଇଁ ଏକାଧିକ ଗୋଲକୁ ରଙ୍ଗ କରାଯାଇଥାଏ, ତେବେ ତାହା ଭୁଲ ଉତ୍ତର ଭାବେ ବିବେଚନା କରାଯିବ । ପ୍ରତ୍ୟେକ ଭୁଲ ଉତ୍ତର ପାଇଁ ୦.୨୫ ମାର୍କ କଟାଯିବ ।
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Please see the last page for complete instructions.

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Section I

Prisoners, especially long term convicts, have to suffer most from emotional starvation. Often they seek some emotional satisfaction by keeping animal pets. The ordinary prisoner cannot keep them, but the convict overseers have a little more freedom and the prison staff usually does not object. The commonest pets were squirrels and strangely, mongooses. Dogs are not allowed in jails but cats seemed to be encouraged. A little kitten made friends with me once. It belonged to a jail official and when he was transferred he took it away with him. I missed him. Although dogs are not allowed, I got tied up with some dogs accidentally in Dehra Dun. A jail official had brought a dog with him and then he was transferred, and he deserted it. The poor thing became a homeless wanderer, living under culvert, picking up the scraps from the warders, usually starving. As I was being kept in the lock up outside the jail proper, it used to come to me begging for food. I began to feed it regularly, and it gave birth to a litter of pups under a culvert. Many of these were taken away but three remained and I fed them. One of the puppies fell ill with a violent distemper, and gave me a great deal of trouble. I nursed her with care, and sometimes I would get up a dozen times in the course of the night to look for her. She survived, and I was happy that my nursing had pulled her around.

1. What is the meaning of the word 'litter' as used in the passage?
 - A. A number of animals born to a mother animal at one time.
 - B. small pieces of garbage
 - C. substance for animals to sleep on
 - D. a unit of milk
2. The expression 'tied up' here means
 - A. to tie the dogs with a rope
 - B. to become occupied with something
 - C. to close something with a knot
 - D. to invest money in an activity
3. The poor thing became a homeless wanderer. The word 'Wanderer' is used as
 - A. as a verb
 - B. as a noun
 - C. in comparative degree
 - D. as an adjective
4. What does 'Pulled her around' in the last sentence mean?
 - A. her illness increased
 - B. she was cured
 - C. someone pulled her away from the writer
 - D. she died
5. Which animals were most common as pets in jails?
 - A. Cats and dogs
 - B. Cats and Squirrels
 - C. Dogs and squirrels
 - D. Squirrels and mongooses
6. Long-term prisoners keep pets in order to
 - A. feed them.
 - B. nurse them.
 - C. get emotional satisfaction.
 - D. use them to send messages outside.

7. Which of the following is not true in the context?
 - A. Cats were encouraged as pets in the jail.
 - ~~B. The author becomes friendly with a cat.~~
 - C. The cat belonged to a jail official.
 - D. After his transfer, the jail official did not bother about cat.
8. Which of the following is not true about the dog immediately after its owner was transferred
 - A. It was left behind by its owner.
 - B. It had no place to stay.
 - ~~C. It had a lot of food to eat.~~
 - D. It lived under the culvert.
9. The author was happy because
 - A. the dog gave birth to many puppies.
 - B. he got much satisfaction from playing with the puppies.
 - ~~C. his care helped the pup to recover.~~
 - D. many of the pups were taken away.
10. The author would get up many times at night because
 - A. he was emotionally disturbed.
 - B. he was suffering from sleeplessness.
 - ~~C. he had to check the condition of the sick puppy.~~
 - D. the barking of dogs disturbed his sleep.
11. Which one of the following is not a fundamental right?
 - A. Right to Freedom
 - ~~B. Right to property~~
 - C. Right to Equality
 - D. Cultural and Educational Right
12. What is the normal blood pressure of an adult ?
 - A. 150/100
 - B. 140/90
 - ~~C. 100/60~~
 - D. 120/80
13. When was National Curriculum Framework for School education formulated?
 - A. 1986
 - B. 2002
 - ~~C. 2007~~
 - D. 2005
14. With which of the following is Mary Kome associated?
 - ~~A. Boxing~~
 - B. Football
 - C. Badminton
 - D. Cricket
15. "The destiny of India is being shaped in her classroom" – Which commission made this statement?
 - A. D.S. Kothari
 - ~~B. Dr. S. RadhaKrishnan~~
 - C. L. Mudaliar
 - D. W. Hunter

16. Who is the Head of the Indian Army?
 - A. General of Infantry
 - B. Air Marshal
 - C. Prime Minister of India
 - D. President of India
17. Who is indirectly elected by the people?
 - A. Prime Minister
 - B. Speaker
 - C. President
 - D. Governor
18. Who promulgated emergency in India?
 - A. Indira Gandhi
 - B. Rajiv Gandhi
 - C. DebeGouda
 - D. V.P. Singh
19. Who did give the slogan "Jay Kishan, Jay Jawan" ?
 - A. Jawaharlal Neheru
 - B. Morarji Desai
 - C. Lal-Bahadur Shastri
 - D. Rajiv Gandhi
20. Which one of the following dates is observed every year as the International Women's Day?
 - A. 8th March
 - B. 9th March
 - C. 8th September
 - D. 9th September
21. In the series 357, 363, 369,..... What will be the 10th term ?
 - A. 405
 - B. 411
 - C. 413
 - D. 417
22. If in the word DISTURBANCE, the first letter is interchanged with the last letter, the second letter is interchanged with tenth letter and so on, which letter would come after "T" in the newly formed word?
 - A. I
 - B. N
 - C. S
 - D. D
23. If Z = 52 and ACT = 48, then BAT will be equal to _____
 - A. 39
 - B. 41
 - C. 44
 - D. 46
24. A man is facing north-west. He turns 90° in the clockwise direction and then 135° in the anticlockwise direction, which direction is he facing now?
 - A. East
 - B. West
 - C. North
 - D. South

25. Find the missing number



- A. 36
- B. 37
- C. 52
- D. 81

26. A father tells his son, "I was of your present age when you were born." If the father is now 36 years of age, how old was the boy 5 years ago?

- A. 13
- B. 15
- C. 17
- D. 20

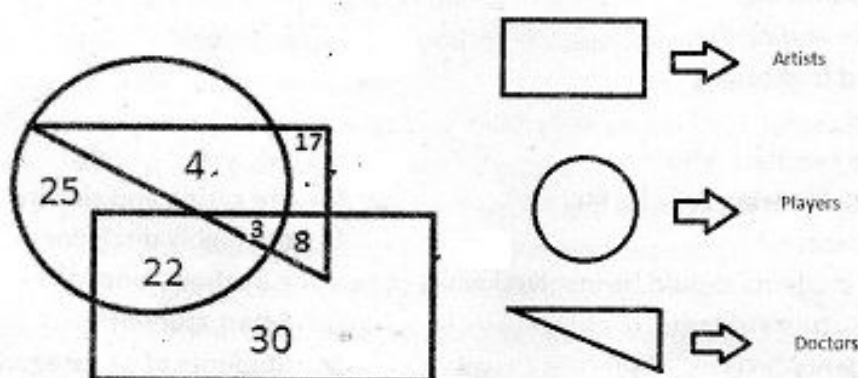
27. In a certain code language 35796 is written as 44887. How is 46823 written in that code?

- A. 55934
- B. 55914
- C. 55714
- D. 57914

28. If $+$ means \div , $-$ means \times , \div means $+$, and \times means $-$, then the value of $36 \times 12 + 4 \div 6 + 2 - 3$ when simplified is:

- A. 2
- B. 18
- C. 42
- D. 45

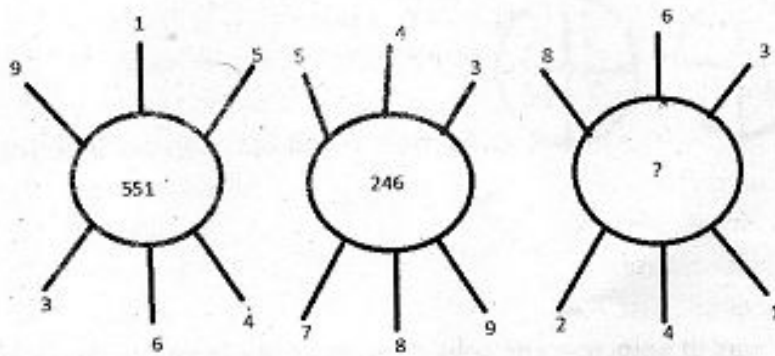
29. Study the figure and answer:



How many doctors are neither artists nor players?

- A. 17
- B. 5
- C. 10
- D. 30

30. Which one will replace the question mark?



- A. 262
- B. 622
- C. 631
- D. 824

31. Which group of students should be the chief concern of a good teacher?

- A. Bright students
- B. The average students
- C. The backward students
- D. All the above

32. Students who habitually break school discipline need:

- A. severe punishment
- B. expulsion from school
- C. affection, understanding and counselling
- D. more homework and class work

33. A teacher finds a group of his students quarrelling among themselves outside the school. The teacher should:

- A. ignore the incident as it happens outside the school
- B. discuss with the students and resolve the conflict peacefully
- C. call the parents of the students to school to warn them
- D. inform the head master and police about the incident

34. Teachers who help children grow and develop better, are usually,

- A. strict and punishing
- B. affectionate and caring
- C. abusive and frightening
- D. resourceful

35. Children love those teachers who:

- A. takes teaching seriously
- B. are very liberal
- C. are caring and sincere
- D. are highly disciplined

36. Which category of students should be involved while organizing a school function?

- A. Strong and stout students
- B. Bright students
- C. Smart students
- D. Students of all categories

37. Children who come to school have:

- A. a blank mind to be filled in through schooling
- B. significant learning experiences to be used for further learning
- C. experiences that are crude
- D. many such experiences that are irrelevant

38. Admission to class I in a school should be made on the basis of:
- results of an admission test
 - parents ability to pay for their children's education
 - eligibility of all children of the neighbourhood
 - parents' educational background
39. Right to Education Act prohibits physical punishment in schools, which is likely to:
- affect school discipline
 - make students free from fear
 - aid students to learn freely
 - lead loss of parental trust in school
40. An ideal school curriculum development should:
- be done by specialists only
 - be guided by government direction
 - takes vision of parents, experts, students and government guidelines
 - involve students and their parents
41. A child learns well, when:
- he/she feels that teachers value his abilities, interests and experiences
 - he/she is in a good school
 - his/her teachers teach effectively
 - he/she has a group of good peers
42. A teacher's role is to
- fill the empty mind of a child with knowledge
 - create enabling learning conditions
 - combine direct and indirect methods of instruction
 - use punishment to make a child learn
43. Assuming that you want to be teacher, the reason that motivates you is that,
- teaching is a noble profession
 - teaching profession provides more days for leisure and family care
 - teachers are respected by all
 - teaching is a man-making profession
44. A good teacher's teaching needs to be:
- entirely based on the prescribed curriculum
 - strictly limited to text books
 - primarily centred around child's experiences
 - beyond text books
45. In your view, a teacher engaging children in group work for learning is:
- a waste of valuable teaching time
 - a method of holding back smart and intelligent children
 - good as it involves co-operative peer learning
 - against standard rules of classroom teaching
46. In a class room with children from varied home background, a teacher's task appears to be challenging because of the fact that:
- all children have the ability to learn
 - some children are less educable
 - some other children are uneducable
 - some children are bright and intelligent

47. Putting CCTVs in Schools

- A. tracks students who create problems
- ☒ B. helps School Head Masters to manage school efficiently
- C. affects the natural and normal behaviour of children
- D. monitors the teachers' functioning

48. The best way to inculcate social and moral values in students is :

- A. asking students to be abided by values
- B. asking students to read books on human values
- C. listening to discourses on values
- ☒ D. practising values in day-to-day life

49. The school curriculum should provide for :

- A. intellectual development
- B. social development
- C. physical development
- ☒ D. all round development

50. Children learn a skill better when they are:

- A. explained the skill
- ☒ B. demonstrated the skill
- C. allowed to practice the skill
- D. examined for their knowledge of the skill

Section II(For Arts stream)

Directions for Q. Nos. 51-60 : Read the passage carefully and answer the question that follow.

By the beginning of the twentieth century, doctors knew that many diseases were caused by living microbes. They knew about immunization and vaccines. Thanks to the efforts of scientists like Jenner, Pasteur, Koch and Ehrlich Lister, it had taught them the value of antiseptics. Known chemical disinfectants, such as carbolic acid, would kill germs, but they would also injure cell tissues. How could harmful microbes be destroyed without, at the same time, injuring body tissues?

In 1990, to a shipping clerk - Alexander Fleming - a career in science seemed like distant dream. Alexander was born on August 6, 1881, the youngest son of an Ayrshire, Scottish farmer. He was able to complete high school but then his family's funds ran out. At sixteen, he took a job as a shipping clerk and stayed there for four years. In 1901, Alexander came into a small legacy which enabled him to continue his education, and on the advice of one of his brothers, who was a doctor, he chose to prepare for a career in medicine.

Alexander did unusually well in medical school along with rifle shooting, swimming, water polo and painting. After his graduation, his teacher prof. wright asked him to join him in bacteriological research, which he readily agreed.

51. Who among the following has not been mentioned in the passage as 'scientists' ?

- | | |
|------------|-----------|
| A. Jenner | C. Wright |
| B. Pasteur | D. Koch |

52. Which of the following statements is not true in the context of the passage?

- A. Alexander's father was a Scottish farmer.
- B. One of the Alexander's brother was a doctor
- C. Alexander's performance in the medical school was very good
- D. Alexander was the eldest son of his father

53. State which is not true in the context of the passage ?

Fleming did unusually well in medical school along with

- A. rifle shooting
- B. swimming
- C. football
- D. painting

54. Which of the following is not true in the context of the passage?

Alexander Fleming joined as shipping clerk :

- A. in 1991
- B. after completing high school
- C. when his father ran out of money
- D. at the age of sixteen

55. The passage is mainly about

- A. Scientists like Jenner, Koch etc.
- B. Immunization and vaccines
- C. Alexander Fleming
- D. Prof. Wright, the teacher of Fleming

56. By the beginning of twentieth century doctors knew

- A. diseases are caused by living microbes
- B. about vaccines
- C. about immunization
- D. how could harmful microbes be destroyed without injuring body tissues

57. 'They' in 2nd sentence of para I, refers to

- A. Scientists
- B. Doctors
- C. Fleming's brothers
- D. Jenner and Koch

58. Why did Fleming take up the job as a shipping clerk?

- A. On the advice of one of his brothers.
- B. His financial position was not good at that time.
- C. It was his cherished dream.
- D. It was a very perspective job.

59. Which of the following advice was given by his brother to Alexander?

- A. To pursue a career in bacteriological research.
- B. To continue his school education.
- C. To take up a career in medicine.
- D. Not pursue a career in shipping.

60. Why was it possible for Alexander to continue his studies?

- A. The inspiration given by his farmer father
- B. His desire to become a scientist at any cost
- C. The shipping job gave him enough money
- D. He inherited sufficient money to continue his education

Choose the option that is most appropriate synonym to the given word (Q. No. 61 & 62).

61. Appease

- | | |
|------------|--------------|
| A. Agitate | C. Qualify |
| B. Pacify | D. Interrupt |

62. Trivial

- A. Significant
- B. Momentous
- C. Unimportant
- D. Critical

Choose the option which is most opposite in meaning to the given word (Q. No.63 and 64)

63. Impertinent

- A. Polite
- B. Indifferent
- C. Unpleasant
- D. Stubborn

64. Divine

- A. Generous
- B. Sublime
- C. Earthly
- D. Reciprocal

65. Find out the word, the spelling of which is wrong

- A. Neice
- B. Neither
- C. Neighbour
- D. Rein

Choose the correctly spelt word : (Q No. 66 to 68)

66.

- A. Acomodation
- B. Accomodation
- C. Accommodation
- D. Accommodation

67.

- A. Commettee
- B. Committe
- C. Comittee
- D. Committee

68.

- A. Argumant
- B. Arguement
- C. Argument
- D. Arguemant

Pick out the sentence that shows punctuation error (Q No. 69 and 70)

69.

- A. Her court was pure; her life was serene.
- B. God gave her peace; her land reposed.
- C. Today we love what tomorrow we hate; today we seek what tomorrow we shun.
- D. What cannot be cured; must be endured

70.

- A. What a terrible fire?
- B. Long live the king!
- C. O father! I hear the sound of guns.
- D. O Hamlet, speak no more!

Choose the correct passive form of sentence that precedes each question(Q No.71 and 72)

71. Has anyone ever called you a fool before?
- Has a fool been called to you ever before?
 - Have you ever been called a fool before?
 - Have anyone been called a fool ever before?
 - Has a fool ever been called you before?
72. We elected Ram as president.
- Ram was elected as president.
 - President Ram was elected by us.
 - Ram as president was elected.
 - Who has been elected as president ?

Choose the correct voice of the statements.(Q.no. 73 and 74)

73. Arun asked Ravi to lend him his dictionary
- Ravi said, "Arun! Take my dictionary."
 - Arun said to Ravi, "Please lend me your dictionary."
 - Arun chided Ravi, "Don't take my dictionary."
 - Arun said to Ravi, "Don't take your dictionary."
74. The doctor said to the patient, "Do you have a headache now?"
- The doctor asked the patient if he had a headache then.
 - The doctor suggested the patient to have a headache then.
 - The doctor diagnosed a headache with the patient.
 - The patient was advised for a headache by the doctor.

In the sentence below the word 'Proposal' is a noun. But in the four sentences that follow, the word proposal is used as verb. Choose one which is similar in meaning to the sentence: 'He rejected all our proposals'.

75. He rejected all our proposals.
- He rejected all that we are proposing
 - He rejected all that we can propose
 - He rejected all we propose
 - He rejected all that we proposed

ତଳେ ଲେଖାଯାଇଥିବା ପରିଚ୍ଛେଦଟିକୁ ଉଲ୍ଲଭାବରେ ପଢ଼ନ୍ତୁ । ଏହି ପରିଚ୍ଛେଦରୁ ତଳେ ଲେଖାଯାଇଥିବା ପାଞ୍ଚଟି ପ୍ରଶ୍ନ ଏବଂ ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଚାରୋଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ପଢ଼ି ଯାହା ଠିକ୍ ବୋଲି ଭାବୁଛନ୍ତି, ଉଦ୍ଦିଷ୍ଟ ସ୍ଥାନରେ ଚିହ୍ନ ମାରନ୍ତୁ ।

“ସାଧାରଣଲୋକେ ନିଜର ମନୋଭାବ ପ୍ରକାଶ ନିମନ୍ତେ ଭାଷା ପ୍ରୟୋଗ କରୁଥିବା ବେଳେ, ଶିକ୍ଷିତ ଲୋକମାନେ ନିଜର ମାନ, ଯଶ, ପ୍ରତିପତ୍ତି ବଢ଼ାଇବା ପାଇଁ ଭାଷାକୁ ବ୍ୟବହାର କରନ୍ତି । ଜ୍ଞାନୀ ବୋଲାଉଥିବା ସ୍ମୃତିଧରମାନେ ନିଜର ପାଣ୍ଡିତ୍ୟ ପ୍ରଦର୍ଶନ ଉଦ୍ଦେଶ୍ୟରେ, ଶିକ୍ଷକ ଓ ଅଧ୍ୟାପକମାନେ ବୃତ୍ତିଗତ ପ୍ରୟୋଜନ ପୂରଣ ପାଇଁ, ଜ୍ୟୋତିଷୀ, ପୁରୋହିତ, ପୂଜକମାନେ ଶ୍ରୋତାମାନଙ୍କୁ ବୃଥା ଆଶାସଞ୍ଚାର ନିମନ୍ତେ ଭାଷାକୁ ଏକ ମାଧ୍ୟମରୂପେ ବ୍ୟବହାର କରନ୍ତି । ବିଭିନ୍ନ

ବର୍ଗର ଲୋକ ବହୁବିଧ ଉଦ୍ଦେଶ୍ୟ ଓ ଲକ୍ଷ୍ୟସାଧନ ସକାଶେ ଭାଷା ପ୍ରୟୋଗ କରୁଥିବା ଯୋଗୁଁ ଭାଷାର ମୂଳ ଉଦ୍ଦେଶ୍ୟ ଅର୍ଥାତ୍ ତାତ୍କାଳିକ ମନୋଭାବ ପ୍ରକାଶ କାର୍ଯ୍ୟଟି ଯଥାର୍ଥଭାବରେ ହୋଇପାରୁନାହିଁ। କୌଣସି ଯଥାଯଥ କାରଣ ନଥିଲେ ବି ଯେଉଁମାନେ ଅଶୁଣା, ଅଦେଖା, ଅଲେଖା ଶବ୍ଦ ବ୍ୟବହାର କରନ୍ତି, ତାହା ଆଡ଼ମ୍ବରପୂର୍ଣ୍ଣ ଓ ଶୁଚିମଧୁର ବି ହୋଇପାରେ, କିନ୍ତୁ ମନୋଭାବର ବାହକ ହୋଇପାରେ ନାହିଁ।”

୭୬. ଶିକ୍ଷିତ ଲୋକମାନେ କେଉଁ ଉଦ୍ଦେଶ୍ୟ ସାଧନ ନିମନ୍ତେ ଭାଷା ବ୍ୟବହାର କରନ୍ତି ?

- A. ଆଶା ସଞ୍ଚାରର ମାଧ୍ୟମ ପାଇଁ ।
- B. ଯଶ, ସମ୍ମାନ ପ୍ରାପ୍ତି ନିମନ୍ତେ ।
- C. ତାତ୍କାଳିକ ମନୋଭାବ ପ୍ରକାଶ ସକାଶେ ।
- D. ଭାଷାକୁ ଶୁଚିମଧୁର କରିବାପାଇଁ ।

୭୭. କେଉଁ ପ୍ରକାରର ଭାଷା ମନୋଭାବର ବାହକ ହୋଇପାରେ ନାହିଁ ?

- A. ପାଣ୍ଡିତ୍ୟ ପ୍ରଦର୍ଶନର ଚେଷ୍ଟା ।
- B. ମାନବୃଦ୍ଧି ନିମନ୍ତେ ଉଦ୍ୟମ ।
- C. ଅଜଣା, ଅଶୁଣା ଶବ୍ଦର ବ୍ୟବହାର ।
- D. ବୃତ୍ତିଗତ ପ୍ରୟୋଜନ ପୂରଣର ଅଭୀପ୍ସା ।

୭୮. ଭାଷା ଆମର ମନୋଭାବ ପ୍ରକାଶ କରିବାରେ ଅସମର୍ଥ ହେବାର କାରଣ କ’ଣ ?

- A. ଶିକ୍ଷକ ଓ ଅଧ୍ୟାପକମାନଙ୍କର ଭାଷା - ପ୍ରୀତି ନାହିଁ ।
- B. ଲୋକମାନେ ନିଜର ଭାଷା ଦକ୍ଷତାକୁ ସନ୍ଦେହ କରନ୍ତି ।
- C. ବୃତ୍ତିଜୀବୀମାନେ ଭାଷାକୁ ନେଇ ବେଉସା କରନ୍ତି ।
- D. ସାଧାରଣଲୋକଙ୍କର ଭାଷାକୁ ଗୁରୁତ୍ୱ ଦିଆଯାଏ ନାହିଁ ।

୭୯. ଭାଷାର ମୂଳ ଉଦ୍ଦେଶ୍ୟ କ’ଣ ?

- A. ବ୍ୟକ୍ତିର ମାନ, ଯଶ ଓ ପ୍ରତିପତ୍ତି ବୃଦ୍ଧି ।
- B. ମନୋଭାବ ପ୍ରକାଶ ।
- C. ପାଣ୍ଡିତ୍ୟ ପ୍ରଦର୍ଶନ ।
- D. ଶ୍ରୋତାଙ୍କମନରେ ଆଶା ସଞ୍ଚାର ।

୮୦. ଲୋକମାନେ ଅପରିଚିତ ଶବ୍ଦ ବ୍ୟବହାର କରନ୍ତି କାହିଁକି ?

- A. ବୃତ୍ତିଗତ ପ୍ରୟୋଜନ ପୂରଣ ନିମନ୍ତେ ।
- B. ଅଧିକ ଅର୍ଥ ଉପାର୍ଜନ ନିମନ୍ତେ ।
- C. ଆଡ଼ମ୍ବର ଓ ଶୁଚିମଧୁରତା ପାଇଁ ।
- D. ସମ୍ମାନ ହାସଲ ସକାଶେ ।

୮୧. 'ଧୂଳି' ପଦ ଯୋଗେ କେଉଁ ବିଭକ୍ତି ହୁଏ ?

- A. ଦ୍ୱିତୀୟା
B. ତୃତୀୟା
C. ଚତୁର୍ଥୀ
D. ପଞ୍ଚମୀ

୮୨. ଯଦୁ ମଧୁଠାରୁ ବୁଦ୍ଧିମାନ । ରେଖାକିତ ପଦର ବିଭକ୍ତି ନିର୍ଣ୍ଣୟ କର ।

- A. ଦ୍ୱିତୀୟା
B. ଚତୁର୍ଥୀ
C. ଷଷ୍ଠୀ
D. ପଞ୍ଚମୀ

୮୩. ସତ୍ୟପ୍ରତି ଅନୁରକ୍ତ ହୁଅ - ରେଖାକିତ ପଦରେ କେଉଁ ବିଭକ୍ତି ହୋଇଛି ?

- A. ପ୍ରଥମୀ
B. ଷଷ୍ଠୀ
C. ତୃତୀୟା
D. ଚତୁର୍ଥୀ

୮୪. "ବର୍ଷାକାଳରେ କଦମ୍ବ ଫୁଲ ଫୁଟେ," - ରେଖାକିତ ପଦଟିର କାରକ ନିର୍ଣ୍ଣୟ କର ।

- A. କର୍ତ୍ତା
B. କରଣ
C. ଅପାଦାନ
D. ଅଧିକରଣ

୮୫. 'ମୂର୍ଖପଣ୍ଡିତ' - କେଉଁ ସମାସ ?

- A. ବହୁବ୍ରୀହି
B. ଦ୍ୱନ୍ଦ୍ୱ
C. କର୍ମଧାରୟ
D. ଦ୍ୱିଗୁ

୮୬. 'ପ୍ରତିମୂର୍ତ୍ତି' - କେଉଁ ସମାସ ?

- A. ନିର୍ଦ୍ଦେଶପୁରୁଷ
B. ବହୁବ୍ରୀହି
C. ଅବ୍ୟୟୀଭାବ
D. ନିତ୍ୟସମାସ

୮୧. 'ଧୂକ' ପଦ ଯୋଗେ କେଉଁ ବିଭକ୍ତି ହୁଏ ?

A. ଦ୍ଵିତୀୟା C. ଚତୁର୍ଥୀ
B. ତୃତୀୟା D. ପଞ୍ଚମୀ

୮୨. ଯଦୁ ମଧୁଠାରୁ ବୁଦ୍ଧିମାନ । ରେଖାଙ୍କିତ ପଦର ବିଭକ୍ତି ନିର୍ଣ୍ଣୟ କର ।

A. ଦ୍ଵିତୀୟା
B. ଚତୁର୍ଥୀ
C. ଷଷ୍ଠୀ
D. ପଞ୍ଚମୀ

୮୩. ସତ୍ୟପ୍ରତି ଅନୁରକ୍ତ ହୁଅ - ରେଖାଙ୍କିତ ପଦରେ କେଉଁ ବିଭକ୍ତି ହୋଇଛି ?

A. ପ୍ରଥମୀ
B. ଷଷ୍ଠୀ
C. ତୃତୀୟା
D. ଚତୁର୍ଥୀ

୮୪. "ବର୍ଷାକାଳରେ କଦମ୍ବ ଫୁଲ ଫୁଟେ," - ରେଖାଙ୍କିତ ପଦଟିର କାରକ ନିର୍ଣ୍ଣୟ କର ।

A. କର୍ତ୍ତା
B. କରଣ
C. ଅପାଦାନ
D. ଅଧିକରଣ

୮୫. 'ମୂର୍ଖପଣ୍ଡିତ' - କେଉଁ ସମାସ ?

A. ବହୁବ୍ରୀହି
B. ଦ୍ଵନ୍ଦ୍ଵ
C. କର୍ମଧାରୟ
D. ଦ୍ଵିଗୁ

୮୬. 'ପ୍ରତିମୂର୍ତ୍ତି' - କେଉଁ ସମାସ ?

A. ନିର୍ଦ୍ଦେଶପୁରୁଷ
B. ବହୁବ୍ରୀହି
C. ଅବ୍ୟୟୀଭାବ
D. ନିତ୍ୟସମାସ

୮୭. ସର୍ଗକୁ ନିଶ୍ଚୟ ନାହିଁ। ରେଖାଙ୍କିତ ପଦଟିରେ କେଉଁ ଅର୍ଥରେ ଚତୁର୍ଥୀ ବିଭକ୍ତି ହୋଇଛି ?

- A. ଯୋଗ୍ୟଅର୍ଥରେ
- B. ନିମିତ୍ତାର୍ଥେ
- C. ନିବାରଣାର୍ଥେ
- D. ରୁଚିବାଅର୍ଥରେ

୮୮. 'କରଣ' - ପଦ କିପରି ହୋଇଛି ?

- A. କର + ଅନ
- B. କର+ଅଣ
- C. କୁ + ଅନ
- D. କୁ+ଅନ

୮୯. ଓଡ଼ିଆ ଭାଷାରେ କେତୋଟି ସଂଯୁକ୍ତ ସରଧୁନି ରହିଛି ?

- A. ଦୁଇଟି
- B. ତାରିତି
- C. ପାଞ୍ଚଟି
- D. ବାରଟି

୯୦. ବର୍ଣ୍ଣାବ୍ୟଞ୍ଜନ ଓଡ଼ିଆରେ କେତୋଟି ?

- A. ଦଶ
- B. ପନ୍ଦର
- C. କୋଡ଼ିଏ
- D. ପଚାଶ

୯୧. 'ବରୁଆ' କି ଧରଣର ଶବ୍ଦ ?

- A. ତତ୍ସମ
- B. ତଦ୍ଭାବ
- C. ଦେଶଜ
- D. ବୈଦେଶିକ

୯୨. ବନାନ ଦୃଷ୍ଟିରୁ କେଉଁ ଶବ୍ଦଟି ଠିକ୍ ହେବ ?

- A. ଶିକ୍ଷୟତ୍ରୀ
- B. ଶିକ୍ଷ୍ୟୟତ୍ରୀ
- C. ଶିକ୍ଷୟିତ୍ରୀ
- D. ଶିକ୍ଷୟିତ୍ରି

୯୩. 'ରୋଶନ ଯଦି ଯିବ ଭଲ ନଚେତ୍ ହରିଶ୍ ଯାଉ', - ଏହି ବାକ୍ୟଟି କି ପ୍ରକାରର ?

- A. ସରଳ
- B. ଜଟିଳ
- C. ମିଶ୍ର
- D. ଯୌଗିକ

୯୪. 'ନିଘଞ୍ଚ' — ଏହାର ଠିକ୍ ବ୍ୟାସ ବାକ୍ୟଟି ବାଛି।

- A. ଅତି ଘଞ୍ଚ
- B. ନାହିଁ ଘଞ୍ଚ
- C. ଘଞ୍ଚ ବୁଝେ
- D. ନ ଘଞ୍ଚ

୯୫. "ଓଃ, କି ଗରମ" — ଉକ୍ତିର ଶେଷରେ କେଉଁ ଚିହ୍ନ ଆବଶ୍ୟକ ?

- A. ।
- B. !
- C. ?
- D. ;

୯୬. 'ସୁନି ଆମ ମାଉସୀଙ୍କୁ କ୍ଷମା ମାଗିବ ନହେଲେ ଦଣ୍ଡ ଭୋଗ କରିବ'। — ମାଗିବ ପରେ କେଉଁ ଚିହ୍ନ ଆବଶ୍ୟକ ?

- A. ,
- B. —
- C. ;
- D. :

୯୭. ଠିକ୍ ଶବ୍ଦ ଦର୍ଶାଅ।

- A. ଓତଃପ୍ରୋତ
- B. ଓତଃପ୍ରୋତଃ
- C. ଓତପ୍ରୋତଃ
- D. ଓତପ୍ରୋତ

୯୮. କେଉଁଟି ଠିକ୍ ଶବ୍ଦ ?

- A. ଯାନବାହାନ
- B. ଯାନବାହନ
- C. ଜାନବାହାନ
- D. ଜାନବାହନ

୯୯. ବାକ୍ୟରେ କ୍ରିୟା ସହିତ ଯେଉଁପଦର ଅନୁୟ ଥାଏ ତାହାକୁ କ'ଣ କହନ୍ତି ?

- A. କାରକ
- B. ବିଭକ୍ତି
- C. ସମାସ
- D. ଅଶକାରକ

୧୦୦. 'ବାତ୍ୟାରେ ଗଛରୁ ପତ୍ର ଝଡ଼ିଲା' — ଏହି ବାକ୍ୟରେ ଅପାଦାନ କାରକ କିଏ ?

- A. ବାତ୍ୟାରେ
- B. ଗଛରୁ
- C. ପତ୍ର
- D. ଝଡ଼ିଲା

101. Who sang "Vande Mataram" in the Constituent Assembly ?

- A. Sarojini Naidu
- B. Sucheta Kripalini
- C. Raj Kumari Amrit Kaur
- D. Aruna Asaf Ali

102. Who was the 1st Woman President of Indian National Congress?

- A. Vijaya Laxmi Pandit
- B. Sarojini Naidu
- C. Indira Gandhi
- D. Annie Besant

103. Adolf Hitler became Chancellor of Germany in

- A. 1932
- B. 1933
- C. 1934
- D. 1939

104. Who was responsible for the Dual Government of Bengal?

- A. Robert Clive
- B. Mirjafar
- C. Warren Hastings
- D. Sir John Shore

105. Who was first Viceroy of India?

- A. Lord Cornwallis
- B. Lord William Bentinck
- C. Lord Dalhousie
- D. Lord Canning

106. The Aligarh movement owes its origin to :

- A. Sir Sayeed Ahmad Khan
- B. Mohammad Ali Jinnah
- C. Maulana Abul Kalam Azad
- D. Nawab Salimullah

107. The 'Sunset Law' is associated with

- A. Roytwari System
- B. Mahalwari System
- C. Permanent Settlement
- D. Jamma Kamal

108. During the rule of which Mughal emperor the East India Company first arrived in India?

- A. Shahjahan
- B. Jahangir
- C. Akbar
- D. Aurangzeb

109. Which British Governor General did introduce English education in India?
 - A. Lord Wellesley
 - B. Lord Dalhousie
 - C. Lord William Bentinck
 - D. Lord Cornwallis
110. In 1905, Lord Curzon announced the partition of
 - A. Bihar
 - B. Bombay
 - C. Madras
 - D. Bengal
111. Which Governor General of India is known as the father of Indian Civil service?
 - A. Lord Hastings
 - B. Lord Bentinck
 - C. Lord Cornwallis
 - D. Lord Ripon
112. Shaheed Bhagat Singh was hanged on
 - A. March 22, 1931
 - B. March 23, 1931
 - C. March 24, 1931
 - D. March 25, 1931
113. Who was not a member of the Constituent Assembly?
 - A. Sardar Patel
 - B. Rajendra Prasad
 - C. Mahatma Gandhi
 - D. Jawaharlal Neheru
114. Who called Gandhiji "a half-naked Fakir" ?
 - A. Queen Elizabeth
 - B. Lord Mountbatten
 - C. Winston Churchill
 - D. Clement Attlee
115. Who was writer of "Sare Jahan se Achha....."?
 - A. Rabindranath Tagore
 - B. Mohammad Iqbal
 - C. Guljar
 - D. Nizam
116. Who is the 1st Woman Judge of the Odisha High Court?
 - A. Justice Sanju Panda
 - B. Justice Amiya Kumari Padhy
 - C. Justice M. Fatima Beevi
 - D. None of the above
117. Who of the following cannot be impeached by the parliament?
 - A. President of India
 - B. Judges of the Supreme Court
 - C. Governor of a State
 - D. Judges of the High Court
118. The members of which committee are entirely drawn from the members of the Lok Sabha?
 - A. Estimate Committee
 - B. Committee on Public Accounts
 - C. Committee on Public Undertakings
 - D. None of these

119. Which of the following has been deleted from the list of Fundamental rights?
A. Right to Property
B. Right to Freedom
C. Right to Equality
D. Right against Exploitation
120. How many articles are there in the Indian Constitution?
A. 9
B. 147
C. 200
D. 395
121. Which Fundamental Right guarantees "Freedom of Press"?
A. Right to Equality
B. Right to Freedom
C. Right against Exploitation
D. Right to Freedom of Religion
122. What is provided in Article 368 of the constitution?
A. Election of President
B. Amendment of the constitution
C. Emergency Provisions
D. Election Commission
123. Parliament consists of
A. Lok Sabha and Rajya Sabha
B. Prime Minister, Rajya Sabha and Lok Sabha
C. President, Rajya Sabha and Lok Sabha
D. None of the above
124. Who presides over a joint sitting of parliament?
A. President
B. Vice-President
C. Prime Minister
D. Speaker of Lok Sabha
125. Prime Minister of India can be removed by a
A. Vote of No-Confidence in Lok Sabha
B. Vote of No-Confidence in Rajya Sabha
C. Adjournment motion in Rajya Sabha
D. Vote of No-Confidence by a majority of State Assemblies
126. Who was the first speaker of Lok Sabha?
A. M.A. Ayyangar
B. G.V. Mavlankar
C. Sardar Hukum Singh
D. N. Sanjiva Reddy
127. Financial Emergency can be promulgated under which Article of the constitution?
A. 352
B. 356
C. 360
D. None of the above
128. Name the 2nd chairman of Rajya Sabha?
A. Dr. Rajendra Prasad
B. Dr. S. Radha Krishnan
C. V.V. Giri
D. Dr. Zakir Hussain

129. Who was the first Speaker of the Odisha Legislative Assembly?
A. Lal Mohan Patnaik
B. Nanda Kishore Das
C. Mukunda Prasad Das
D. Pandit Nilakantha Das
130. Who is the first Chief Justice of Odisha High Court?
A. Justice Bachu Jagannadha Das
B. Justice Lingaraj Panigrahi
C. Justice Birakishore Ray
D. Justice R.L Narasinhham
131. Which Himalayan plant species has become vulnerable due to overexploitation?
A. Maple
B. Oak
C. Spruce
D. Yew
132. Which of the following forests does act as a shelter belt in the coastal areas?
A. Tidal Forests
B. Tropical Dry Deciduous
C. Tropical Moist Deciduous
D. Tropical Wet Semi-Evergreen
133. Which bird sanctuary is located in Rajasthan?
A. Bharatpur
B. Nal Sarovar
C. Salim Ali
D. Sultanpur
134. Which Biosphere Reserve in India has not been enlisted within the 'World Network of Biosphere Reserves' by UNESCO?
A. Gulf of Mannar
B. Rann of Kachh
C. Nilgiri
D. Sunderbans
135. How many parallels can be drawn on the globe at an interval of 15 minutes?
A. 718
B. 719
C. 720
D. 721
136. Which of the following cannot be taken as a parallel?
A. Equator
B. 30° S
C. 60° S
D. 90° S
137. On the 22nd December, the vertical rays of the sun are received on the:-
A. Equator
B. Southern Polar Circle
C. Tropic of Cancer
D. Tropic of Capricorn
138. Which of the following belts shall enjoy total night time on 22nd June?
A. Between $66\frac{1}{2}^{\circ}$ N and North Pole
B. Between $23\frac{1}{2}^{\circ}$ N and $66\frac{1}{2}^{\circ}$ N
C. Between $23\frac{1}{2}^{\circ}$ S and $66\frac{1}{2}^{\circ}$ S
D. Between $66\frac{1}{2}^{\circ}$ S and South Pole

139. The local time of which of the following places does differ greatly from the Indian Standard Time?
- Bangalore, Karnataka
 - Bilashpur, Chhattishgarh
 - Kakinada, Andhra Pradesh
 - Mirzapur, Uttar Pradesh
140. A flight moving from London to Delhi took 10 hours to reach the destination. If it had taken off at 12 Noon London time on 10th April 2015, then at what Indian time and date would it have landed at Delhi?
- 05.30 PM on 10th April 2015
 - 10.00 PM on 10th April 2015
 - 03.30 AM on 11th April 2015
 - 12.00 noon on 11th April 2015
141. Which of the following statements about the Thar deserts is not correct?
- An arid region receiving scanty rainfall
 - It characterizes with shifting sand dunes
 - It is a sub-tropical continental desert
 - Located in the NW part of India in Rajasthan
142. Which of the following mountain passes in India is different from the other three in terms of its location?
- Banihal
 - Nathu La
 - Rohtang
 - Zoji La
143. The highest peak on main Himalayan Mountains in India is:-
- The Kamet
 - The Kanchenjunga
 - The Kangto
 - The Nanda Devi
144. Which of the following lakes in India is a 'playa' lake?
- The Chilika
 - The Dal
 - The Sambhar
 - The Vambanad
145. In which of the following orders one would notice hill range along the Western Ghats from North to South?
- The Anamalai, The Cardamom, The Sahyadri, The Nilgiris
 - The Cardamom, The Anamalai, The Nilgiris, The Sahyadri
 - The Sahyadri, The Anamalai, The Nilgiris, The Cardamom
 - The Sahyadri, The Nilgiris, The Anamalai, The Cardamom
146. With which of the following plateaus is the Rajmahal Hills associated?
- The Malwa
 - The Baghelkhand
 - The Chhotanagpur
 - The Meghalaya
147. Which of the following resources is different from the other three in terms of ownership?
- Amusement Park
 - Burial ground
 - Homestead
 - Playground
148. In which state of India is the roof-top rainwater harvesting made legally compulsory?
- Maharashtra
 - Meghalaya
 - Rajasthan
 - Tamil Nadu

149. From which mine is iron ore transported by pipeline in the form of slurry?
 A. Badbil
 B. Dalli Rajhara
 C. Kudremukh
 D. Ratnagiri
150. Where in India is transhumance commonly noticed?
 A. The Patkai Bum
 B. The Pir Panjal
 C. The Sahyadri
 D. The Vindhyas

Section II(For Science stream)

51. In an adiabatic process which of the following quantities does not change?
 A. Temperature
 B. Volume
 C. Heat
 D. Pressure
52. An ideal gas with n -molecules per unit volume has its average kinetic energy per molecule given by ϵ . Then the pressure exerted by this gas would be;
 A. $p = \frac{2}{3} n\epsilon$
 B. $p = \frac{1}{2} n\epsilon$
 C. $p = \frac{1}{3} n\epsilon$
 D. $p = \frac{3}{4} n\epsilon$
53. When sound travels through air; the air particles
 A. Vibrate along the direction of wave propagation.
 B. Vibrate in all directions
 C. Vibrate in a direction perpendicular to the propagation direction
 D. Do not vibrate at all
54. An object approaches a plane mirror with a speed of 20m/s. What is the relative speed of the image with respect to the object?
 A. 20m/s
 B. 30m/s
 C. 10m/s
 D. 40m/s
55. A concave lens of focal length 25cm has its power in diaptres is;
 A. +4
 B. -4
 C. 2.5
 D. -2.5
56. Which of the following optical phenomenon cannot be explained with the wave theory of light?
 A. Polarization
 B. Interference
 C. Photo-electric effect
 D. Diffraction
57. Isotones have same
 A. Atomic number
 B. Mass number
 C. Number of neutrons
 D. Number of electrons
58. Which of the following series of lines in the atomic spectrum of Hydrogen appears in the visible region of electromagnetic spectrum?
 A. Lyman
 B. Paschen
 C. Bracket
 D. Balmer

59. The splitting of the spectral lines under the influence of magnetic field is called
- Zeeman effect
 - Compton effect
 - Photoelectric effect
 - Diffraction
60. The total number of orbitals in fifth energy level is
- 5
 - 10
 - 15
 - 25
61. Which of the following orbitals is not symmetrical about the Z-axis?
- P_z
 - d_{z^2}
 - s
 - d_{xz}
62. In Lanthanum ($Z=57$), the 57th electron enters into the
- 4f orbital
 - 5d orbital
 - 6s orbital
 - 6p orbital
63. The element with lowest ionization energy among group 1 elements is
- Na
 - K
 - Rb
 - Cs
64. Which of the following hydrides is the most powerful reducing agent?
- HI
 - LiH
 - CH_4
 - NH_3
65. The common name of H_2SO_5 is
- Picric acid.
 - Caro's acid.
 - Marshall's acid.
 - Sulphuric acid.
66. The maximum number of molecules are present in
- 51g of NH_3
 - 11.2 of CO_2 at NTP
 - 5 mole of SO_2
 - 49g of H_2SO_4
67. The volume occupied by 4.4g of CO_2 at NTP is
- 22.4L
 - 2.24L
 - 0.224L
 - 0.1L
68. A metal oxide contains 60% metal. The equivalent mass of the metal is
- 12
 - 24
 - 40
 - 48
69. A compound(60g) on analysis gave 24g of C, 4g of H and 32g of O. Its empirical formula is:
- $C_2H_2O_2$
 - $C_2H_3O_4$
 - CH_2O_2
 - CH_2O
70. The specific heat of a metal is 0.16. Its approximate atomic mass is
- 16
 - 64
 - 40
 - 32
71. When 100ml of 1M NaOH solution is thoroughly mixed with 10ml of 10M H_2SO_4 solution, the resulting solution will be
- Acidic
 - Basic
 - Neutral
 - Alkaline

72. Two forces are such that the sum of their magnitudes is 18N and the magnitude of their resultant is 12N which is in a direction perpendicular to the smaller force. Then the magnitudes of these two forces are;
- 12N, 6N
 - 13N, 5N
 - 10N, 8N
 - 16N, 2N
73. A ball is dropped from a height of 6m. To what height would it rise after rebounding if there is no loss of energy?
- 1m
 - 4m
 - 6m
 - 8m
74. Two bodies of mass M and $4M$ are moving with equal kinetic energy. Then the ratio of their linear momenta would be;
- 1:4
 - 4:1
 - 1:2
 - 1:1
75. A body changes its position from the origin $x=0$ to $x=x_1$ under the action of a force $F=Cx$. The work done by the force is;
- $\frac{1}{2}Cx_1^2$
 - Cx_1^2
 - Cx_1
 - $\frac{1}{2}Cx_1$
76. A bomb of mass 9kg explodes into two parts. One part of mass 3kg moves with velocity 16m/s. Then the kinetic energy of the other part is;
- 200J
 - 192J
 - 300J
 - 400J
77. A feather and a coin dropped in a vacuum fall with equal _____
- force
 - momentum
 - acceleration
 - kinetic energy
78. A car engine produces a 4000N pushing force in order to maintain a constant speed of 15m/s. the power developed by the engine is;
- 60W
 - 600W
 - 6000W
 - 60000W
79. In an electric circuit energy is supplied by
- resistors and capacitors
 - capacitors and inductors
 - batteries and generators
 - transistors
80. Two capacitors of capacitance 2F each are connected in series. The equivalent capacitance is;
- 4F
 - 2F
 - 1F
 - 3F

81. The peak value of an alternating voltage is 100V. What is the average of the voltage measured over one complete cycle when the frequency of the source is 50Hz?
- A. 0V
☒ B. 50V
 C. 100V
 D. 75V
82. A current of 2A flows in a resistor of $6\ \Omega$. What would be the potential difference across the resistor?
- A. 0.33V
 B. 3V
 C. 12V
 D. 15V
83. The self inductance of a straight conductor is;
- ☒ A. Zero
 B. Infinity
 C. Very Small
 D. Very Large
84. The magnetic field at the centre of a solenoid of radius R and length L ($R \ll L$) is B_0 . A second solenoid has its radius $2R$ and length $2L$ which carries twice the current as the original solenoid, but has the same number of turns per unit length. What would be the magnetic field at the center of this second solenoid?
- A. $B_0/4$
 B. $B_0/2$
 C. B_0
 D. $2B_0$
85. A diamagnetic substance has its susceptibility
- A. Zero
 B. Negative
☒ C. Less than one
 D. Greater than one
86. The word 'Biome' refers to;
- ☒ A. Biosphere
 B. Noosphere
 C. Any ecosystem
 D. Geographically extensive ecosystem delimited by climate.
87. In which of the following are Graafian follicles found?
- A. Mammalian ovary
 B. Ovary of cockroach
 C. Ovary of frog
 D. Human testis
88. What is the precise meaning of Virchow's statement "Omnis cellula e cellula"?
- A. "Every cell gives rise to more cells".
 B. "Cells divide and make cells".
 C. "Cells form more cells".
 D. "All cells form cells".
89. Choose the wrong statement about honey bees.
- A. Queen and workers develop from fertilized eggs.
 B. Drones from other hives fertilize the queen.
☒ C. Queen is a perfect female while worker is an imperfect female.
 D. All species of honey bee are included in one genus, i.e. Apis.
90. Viruses have
- A. DNA but not RNA
 B. RNA but not DNA
☒ C. Either DNA or RNA
 D. Both RNA and DNA together

91. In photosynthesis, light reaction and dark reaction in that sequence are held in
 A. Inner envelope followed by outer membrane
 B. Outer membrane followed by stroma
 C. Grana followed by thylakoid
 D. Grana followed by stroma
92. Which of the following bacterium converts Nitrite to Nitrate?
 A. Nitrobacter
 B. Nitrosomonas
 C. Nitrococcus
 D. Bacillus Vulgaris
93. In flowering plants eggs and sperms are produced in the gametophytes by
 A. Meiosis
 B. Mitosis
 C. Fertilization
 D. Germination
94. Read the statements and mark the correct one
 i. Middle lamella are composed of pectate of Ca and Mg
 ii. Animal cells generally lack vacuoles
 iii. Structures less than 0.1mm can not be seen with naked eye of humans.
 A. i & ii are correct but iii is wrong
 B. i & iii are correct but ii is wrong
 C. ii & iii are correct but i is wrong
 D. i,ii & iii are correct
95. Which of the following groups of plants can be used as indicators SO_2 pollution of air
 A. Epiphytic lichen
 B. Epiphytic bryophytes
 C. Ergarian mosses
 D. Pleridophytes in marshy habitats
96. Of the 64 codons 61 encode different amino acids. What are the remaining 3 called?
 A. Terminator codons
 B. Start codons
 C. Universal codons
 D. Anticodons
97. Which of the following is an example of sedimentary cycle?
 A. Nitrogen cycle
 B. Carbon cycle
 C. Oxygen cycle
 D. Sulphur cycle
98. Which statement shows the difference between Hydra(H) and Earthworm(E) correctly?
 A. H is acoelomate while E has an enterocoel
 B. H has coelenteron and E has schizocoel
 C. H is enterocoelic and E is schizocoelic
 D. H has a pseudocoel while E has an enterocoel.
99. Aristotle's Lantern is a/an
 A. Lantern designed by Aristotle to locate fish at night
 B. Organ for chewing seen in sea urchins
 C. Organ for respiration in snails
 D. Phosphorescent device of fishes

100. The other name for Luteinizing Hormone(LH) is :
A. FSH
B. ACTH
C. TSH
D. ICSH
101. Point out the correct statement about frogs.
A. Cutaneous respiration occurs during hibernation only
B. RBC in them has no nucleus
C. They don't have teeth
D. Organs of respiration are skin, buccal cavity and lungs.
102. In the history of life in our planet which event is referred to as 'oxygen revolution'?
☒ A. Introduction of photosynthesis.
B. Introduction of aerobic respiration.
C. Excessive burning of fossil fuels.
D. CO₂ level touching 400ppm level earlier than expected.
103. The shape of a bacterium is determined by
A. The cytoskeleton located in its cytoplasm.
B. The structure of its cell wall.
C. Whether or not it forms spores.
D. The plasmids present in the cell.
104. The coarcted root of cycas shows
A. Negative geotropism
B. Positive geotropism
C. Negative geotropism in the day and positive geotropism at night.
D. No response to gravity.
105. Viviparous germination is a feature of
A. Grasses
B. Mangroves
C. Orchids
D. Both B and C
106. Plant cell grows faster as compared to animal cells, the most appropriate reason being
A. Protoplasm content of a plant cell is more.
B. Plant cells have more number of mitochondria.
☒ C. Presence of central vacuole in the plant cell.
D. DNA content is high in plant cells.
107. Male gametes in angiosperms are formed by the division of
☒ A. Microspore mother cells
B. Microspores
C. Generative cell
D. Vegetative cell
108. Which statement is correct about the cell cycle driving cleavage?
A. It is biphasic with only S phase and M phase.
B. It is the same as the cell cycle of adult cells.
C. G₁ phase is seen in it, but not G₂ phase.
D. G₁ and G₂ phases are seen in it, but there is no S phase.

109. Which of the following refers to nekton?
A. Passive floating
B. Active swimming
C. Immobility
D. Some float, some swim
110. Which of the following statements is wrong about the lysosomes?
A. They occur in most animal cells and a few plant cells.
B. They are single membrane organelles cells associated with apoptosis.
C. They are double membrane organelles associated with apoptosis.
D. They are also called "suicide sacs" of the cell.
111. Which of the following radially symmetrical animals has a larva that has bilateral symmetry?
A. Hydra
B. Obelia
C. Jelly Fish
D. Starfish
112. Which of the following animals are associated with echolocation?
A. Bats and rats
B. Whales and bats
C. Honey bees and pigeons
D. Whales and kingfishers
113. Many cells have many organelles and all cells do not have all organelles. But one organelle is found in all the cells. Which is that?
A. Mitochondrion
B. Ribosome
C. Nucleus
D. Chloroplast
114. Who proposed the 5-kingdom classification?
A. Robert Whittaker
B. Edmund Whittaker
C. Romulus Whittaker
D. Roger Whittaker
115. What does the term 'Noosphere' mean?
A. Part of atmosphere
B. Sphere of human mind
C. Sphere of human action
D. Another name of geosphere
116. Which statement about the number of the cervical vertebrae of mammals is correct?
A. In every mammal the number is 10 and it is a constant.
B. The number varies from mammal to mammal.
C. Longer the neck, bigger the number of cervical vertebrae.
D. All mammals have 7 cervical vertebrae and it is a constant.
117. Which of the following animals has tube feet?
A. Silver fish
B. Starfish
C. Cuttlefish
D. Catfish
118. What teeth in the bull elephants are modified as tusk?
A. Incisor
B. Canine
C. Premolar
D. Molar
119. The monotremata are named so because they have a single opening for;
A. Respiration
B. Flow of milk
C. Ingestion and egestion
D. Urination, defecation and reproduction

120. The incremental increase of DDT and other toxic materials at different trophic levels in an aquatic ecosystem is called;
A. Water pollution
B. Greenhouse effect
C. Eutrophication
D. Biomagnification
121. The height of a tower is h meters. It is found that, when walking 100 m towards it in a horizontal line through its base, the elevation of its top changes from 30° to 60° , h is equal to
A. 100 m
B. $100\sqrt{3}$ m
C. 50 m
D. $50\sqrt{3}$ m
122. If $\triangle ABC$ and $\triangle BDE$ are two equilateral triangles such that D is the middle point of BC then the ratio of the area of $\triangle ABC$ and $\triangle BDE$ is
A. 1 : 4
B. 4 : 1
C. 1 : 2
D. 2 : 1
123. If $\triangle ABC$ and $\triangle DEF$ are two triangles such that $\frac{AB}{DE} = \frac{BC}{EF} = \frac{CA}{FD} = \frac{2}{5}$ then area ($\triangle ABC$) : area($\triangle DEF$) is
A. 9 : 16
B. 16 : 9
C. 25 : 4
D. 4 : 25
124. The number of solid spheres, each of diameter 6 c.m. that could be moulded to form a solid cylinder of height 45 c.m. and diameter 4 c.m. is
A. 3
B. 4
C. 5
D. 6
125. The sides of a triangle are in the proportion 1 : 2 : 3 and its perimeter is 24 c.m. The area of the triangle in cm^2 is
A. 24
B. 18
C. 12
D. 0
126. The angles of a triangle x, y and z are in descending orders. If $2x - y = 100^\circ = 3y - 2z$, its smallest angle is-
A. 80°
B. 75°
C. 60°
D. 40°
127. What is the smallest number by which 4704 must be divided so that quotient is a perfect square?
A. 2
B. 3
C. 4
D. 6
128. If n is a natural number, $6^n - 5^n$ always ends with
A. 7
B. 5
C. 3
D. 1
129. $\sqrt{0.000625}$ is equal to
A. 0.00025
B. 0.0025
C. 0.025
D. 0.25
130. If two positive integers a and b are expressible in form of $a = pq^2$ and $b = p^3q$, p, q being prime numbers then H.C.F (a, b) is
A. p^2q^2
B. p^3q^2
C. p^3q^3
D. pq

131. A train 150 meters long moving at a speed of 30 *meters per second* overtakes a man moving at a speed of 5 *meters per second* in the same direction. The train passes the man in:
- A. 5 seconds
B. 6 seconds
C. 8 seconds
D. 10 seconds
132. The number of functions from a set S with 4 elements to a set T with 2 elements is equal to
- A. 16
B. 8
C. 4
D. 2
133. If $n(A) = 7$, $n(B) = 5$, $n(A - B) = 3$, then $n(A \cup B)$ is
- A. 9
B. 8
C. 0.5
D. 15
134. If $f(x) = \frac{2x}{1+x^2}$, $x \in \mathbb{R}$, then the value of $f(f(-2))$ is
- A. $\frac{16}{25}$
B. $-\frac{40}{41}$
C. $\frac{40}{41}$
D. $\frac{41}{40}$
135. If $n(A) = 8$, $n(A \cap B) = 5$, then how many functions are there from $A - B$ to itself
- A. 7
B. 8
C. 9
D. 10
136. If $f(x) = x + 1$, $g(x) = 2x + 3$ and $h(x) = g(f(x))$, then $h(1)$ is
- A. 10
B. 7
C. 5
D. 3
137. If 2 is the root of equation $x^2 + kx + 12 = 0$ and also the equation $x^2 + kx + q = 0$, then $q =$
- A. 16
B. -16
C. 8
D. -8
138. The set of equations $x - 2y = 6$ and $3x - 6y = 8$ has
- A. One Solution
B. Two Solutions
C. Infinite number of solutions
D. No Solution
139. The value of K for which the roots of the equation $2kx^2 + 5kx + 2 = 0$ are equal is
- A. 0
B. 1
C. $\frac{4}{5}$
D. $\frac{16}{25}$
140. If $(1, 1)$ is one common solution of $ax + y + 3 = 0$ and $x + by - 2 = 0$, then which is true?
- A. $a = 4, b = -1$
B. $a = -4, b = 1$
C. $a = -1, b = 4$
D. $a = 1, b = -4$

141. If two simultaneous equations $x + 2y + 3 = 0$ and $kx + my + 4 = 0$ are inconsistent then $k:m$ is
- A. $-2:3$ ☒ C. $1:2$
 B. $1:-2$ D. $2:1$
142. If sum of two zeros of the polynomial $x^3 + x^2 + kx - 9$ is zero, then the third zero is
- A. -1 C. K
 B. 1 D. None of these
143. The simplified value of $\frac{(243)^{n/5} 3^{2n+1}}{9^n 3^{n-1}}$ is
- A. 1 ☒ C. 9
 B. 3 D. 3^n
144. $\log_3 2 \times \log_4 3 \times \log_5 4 \times \dots \times \log_{16} 15$ is
- A. $\frac{1}{4}$
 B. $\frac{1}{8}$
 C. 4
 D. 8
145. if $\log x = \log 25 - 4\log\sqrt{5} + \log 9 + \log 1/27$, then x is
- ☒ A. 1 C. 9
 B. 4 D. 5
146. $\log_5 \sqrt{35} + \log_5 \sqrt{\frac{5}{7}} =$
- A. 5 ☒ C. 1
 B. 7 D. $\frac{1}{2}$
147. If $\log 2 = 0.30103$ then the number of digits in 4^{15} is
- A. 9 C. 11
 B. 10 D. 12
148. Two poles of height 10 m and 15 m stand on plane ground. If the distance between their feet is 12 m , the distance between their tops is,
- A. 12 m ☒ C. 13 m
 B. 12.5 m D. 13.5 m
149. If $\sin \theta - \cos \theta = 0$, then the value of $(\sin^4 \theta + \cos^4 \theta)$ is
- ☒ A. 1 C. $\frac{1}{2}$
 B. $\frac{3}{4}$ D. $\frac{1}{4}$
150. ABC is a right angled triangle with $BC = 6\text{ c.m.}$ and $AB = 8\text{ c.m.}$ A circle with centre O and radius $x\text{ c.m.}$ has been inscribed in ΔABC . Then the value of x is
- A. 2 c.m.
 B. 4 c.m.
 C. 3 c.m.
 D. 2.5 c.m.

SCORING KEY FOR B.ED. COURSE, 2015-2017

SET - A		SET - B		SET - C		SET - D	
Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
1	D	1	D	1	C	1	A
2	C	2	C	2	C	2	B
3	D	3	C	3	A	3	B
4	C	4	C	4	B	4	B
5	C	5	A	5	B	5	D
6	C	6	B	6	B	6	C
7	A	7	B	7	D	7	D
8	B	8	B	8	C	8	C
9	B	9	D	9	D	9	C
10	B	10	C	10	C	10	C
11	A	11	C	11	C	11	B
12	D	12	A	12	A	12	D
13	C	13	C	13	B	13	D
14	A	14	A	14	D	14	A
15	C	15	B	15	D	15	A
16	A	16	D	16	A	16	D
17	B	17	D	17	A	17	C
18	D	18	A	18	D	18	A
19	D	19	A	19	C	19	C
20	A	20	D	20	A	20	A
21	A	21	B	21	A	21	B
22	A	22	C	22	B	22	C
23	B	23	A	23	B	23	D (Grace Mark Set A only)
24	C	24	B	24	C	24	B
25	A	25	B	25	D (Grace Mark Set A only)	25	A
26	B	26	C	26	B	26	A
27	B	27	D (Grace Mark Set A only)	27	A	27	B
28	C	28	B	28	A	28	C
29	D (Grace Mark Set A only)	29	A	29	B	29	A
30	B	30	A	30	C	30	B
31	C	31	D	31	C	31	D
32	C	32	D	32	D	32	C
33	A	33	C	33	D	33	B
34	B	34	A	34	C	34	B
35	D	35	C	35	D	35	C
36	D	36	D	36	C	36	D
37	C	37	D	37	B	37	B
38	A	38	C	38	B	38	C
39	C	39	D	39	C	39	C
40	D	40	C	40	D	40	C
41	D	41	B	41	B	41	A
42	C	42	B	42	C	42	B
43	D	43	C	43	C	43	D
44	C	44	D	44	C	44	D
45	B	45	B	45	A	45	C

SET - A		SET - B		SET - C		SET - D	
Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
46	B	46	C	46	B	46	A
47	C	47	C	47	D	47	C
48	D	48	C	48	D	48	D
49	B	49	A	49	C	49	D
50	C	50	B	50	A	50	C
ARTS							
51	C	51	B	51	C	51	C
52	A	52	B	52	D	52	D
53	B	53	C	53	C	53	C
54	B	54	D	54	D	54	A
55	C	55	C	55	C	55	C
56	D	56	D	56	A	56	A
57	C	57	C	57	C	57	B
58	D	58	A	58	A	58	B
59	C	59	C	59	B	59	C
60	A	60	A	60	B	60	D
61	C	61	B	61	C	61	B
62	B	62	C	62	B	62	C
63	C	63	A	63	C	63	A
64	A	64	C	64	A	64	C
65	C	65	A	65	D	65	A
66	D	66	C	66	C	66	D
67	D	67	D	67	D	67	D
68	A	68	D	68	A	68	C
69	A	69	D	69	A	69	D
70	D	70	A	70	D	70	A
71	A	71	B	71	A	71	B
72	B	72	A	72	B	72	A
73	A	73	B	73	A	73	B
74	B	74	A	74	B	74	A
75	D	75	D	75	D	75	D
76	D	76	B	76	C	76	B
77	B	77	C	77	B	77	C
78	C	78	B	78	C	78	D
79	B	79	C	79	D	79	B
80	C	80	D	80	B	80	C
81	A	81	B	81	D	81	A
82	D	82	A	82	B	82	D
83	C	83	B	83	A	83	B
84	C	84	C	84	B	84	D
85	B	85	D	85	A	85	C
86	A	86	B	86	D	86	C
87	B	87	A	87	B	87	B
88	C	88	B	88	D	88	D
89	D	89	A	89	C	89	A
90	B	90	D	90	C	90	D
91	A	91	B	91	B	91	C

SET - A		SET - B		SET - C		SET - D	
Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
92	B	92	D	92	D	92	C
93	A	93	C	93	A	93	B
94	D	94	C	94	D	94	A
95	B	95	B	95	C	95	B
96	D	96	D	96	C	96	C
97	C	97	A	97	B	97	D
98	C	98	D	98	A	98	B
99	B	99	C	99	B	99	A
100	D	100	C	100	C	100	B
101	B	101	B	101	C	101	B
102	C	102	C	102	B	102	D
103	D	103	C	103	B	103	B
104	C	104	B	104	D	104	A
105	B	105	B	105	B	105	D
106	C	106	D	106	A	106	A
107	C	107	B	107	D	107	C
108	B	108	A	108	A	108	B
109	B	109	D	109	C	109	C
110	D	110	A	110	B	110	D
111	B	111	C	111	C	111	C
112	A	112	B	112	D	112	B
113	D	113	C	113	C	113	C
114	A	114	D	114	B	114	C
115	C	115	C	115	C	115	B
116	D	116	C	116	C	116	B
117	B	117	D	117	D	117	C
118	B	118	A	118	C	118	A
119	C	119	B	119	C	119	A
120	D	120	C	120	B	120	D
121	A	121	D	121	C	121	B
122	B	122	C	122	A	122	B
123	C	123	C	123	A	123	C
124	D	124	B	124	D	124	D
125	C	125	C	125	B	125	A
126	C	126	A	126	B	126	B
127	B	127	A	127	C	127	C
128	C	128	D	128	D	128	D
129	A	129	B	129	A	129	C
130	A	130	B	130	B	130	C
131	B	131	C	131	C	131	D
132	D	132	B	132	D	132	A
133	D	133	B	133	C	133	A
134	D	134	C	134	B	134	B
135	A	135	D	135	D	135	B
136	C	136	C	136	A	136	D
137	C	137	C	137	A	137	D
138	B	138	D	138	B	138	D
139	B	139	C	139	B	139	A

SET - A		SET - B		SET - C		SET - D	
Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
140	C	140	B	140	D	140	C
141	D	141	D	141	D	141	C
142	C	142	A	142	D	142	B
143	C	143	A	143	A	143	B
144	D	144	B	144	C	144	C
145	C	145	B	145	C	145	D
146	B	146	D	146	B	146	C
147	D	147	D	147	B	147	C
148	A	148	D	148	C	148	D
149	A	149	A	149	D	149	C
150	B	150	C	150	C	150	B
SCIENCE							
51	C	51	C	51	A	51	C
52	D	52	A	52	C	52	A
53	A	53	B	53	A	53	A
54	D	54	C	54	D	54	D
55	D	55	D	55	B	55	B
56	B	56	C	56	C	56	C
57	D	57	C	57	A	57	C
58	B	58	A	58	A	58	D
59	B	59	C	59	D	59	A
60	C	60	A	60	B	60	D
61	B	61	D	61	C	61	D
62	A	62	B	62	C	62	B
63	D	63	C	63	D	63	D
64	C	64	A	64	A	64	B
65	A	65	A	65	D	65	B
66	B	66	D	66	D	66	C
67	C	67	B	67	B	67	B
68	C	68	C	68	D	68	A
69	A	69	C	69	B	69	D
70	B	70	D	70	B	70	C
71	C	71	A	71	C	71	A
72	D	72	D	72	B	72	B
73	C	73	D	73	A	73	C
74	C	74	B	74	D	74	C
75	A	75	D	75	C	75	A
76	C	76	B	76	A	76	B
77	A	77	B	77	B	77	C
78	D	78	C	78	C	78	D
79	B	79	B	79	C	79	C
80	C	80	A	80	A	80	C
81	A	81	D	81	B	81	A
82	A	82	C	82	C	82	C
83	D	83	A	83	D	83	A
84	B	84	B	84	C	84	D
85	C	85	C	85	C	85	B

SET - A		SET - B		SET - C		SET - D	
Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
86	A	86	B	86	B	86	D
87	B	87	D	87	D	87	A
88	C	88	B	88	D	88	D
89	D	89	A	89	A	89	B
90	B	90	B	90	D	90	C
91	B	91	D	91	B	91	D
92	A	92	D	92	C	92	A
93	B	93	A	93	D	93	B
94	D	94	D	94	A	94	D
95	B	95	B	95	B	95	A
96	A	96	C	96	D	96	A
97	B	97	D	97	A	97	D
98	D	98	A	98	A	98	B
99	D	99	B	99	D	99	B
100	A	100	D	100	B	100	D
101	D	101	A	101	B	101	D
102	B	102	A	102	D	102	A
103	C	103	D	103	D	103	B
104	D	104	B	104	A	104	A
105	A	105	B	105	B	105	B
106	B	106	D	106	A	106	A
107	D	107	D	107	B	107	C
108	A	108	A	108	A	108	A
109	A	109	B	109	C	109	B
110	D	110	A	110	A	110	C
111	B	111	B	111	B	111	D
112	B	112	A	112	C	112	B
113	D	113	C	113	D	113	B
114	D	114	A	114	B	114	A
115	A	115	B	115	B	115	B
116	B	116	C	116	A	116	D
117	A	117	D	117	B	117	B
118	B	118	B	118	D	118	A
119	A	119	B	119	B	119	B
120	C	120	A	120	A	120	D
121	D	121	A	121	C	121	C
122	D	122	C (1 Grace mark to all)	122	A	122	B
123	C	123	A	123	C	123	D
124	D	124	C	124	B	124	B
125	B	125	C	125	D	125	D
126	A	126	B	126	B	126	D
127	B	127	C	127	D	127	D
128	B	128	C	128	D	128	D
129	C	129	A	129	D	129	C
130	B	130	C	130	D	130	D
131	A (1 Grace mark to all)	131	B	131	C	131	B
132	D	132	D	132	D	132	A

SET - A		SET - B		SET - C		SET - D	
Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
133	D	133	B	133	B	133	B
134	B	134	D	134	A	134	B
135	C	135	D	135	B	135	C
136	A	136	D	136	B	136	B
137	C (1 Grace mark to all)	137	D	137	C	137	A (1 Grace mark to all)
138	A	138	C	138	B	138	D
139	C	139	D	139	A (1 Grace mark to all)	139	D
140	C	140	B	140	D	140	B
141	B	141	A	141	D	141	C
142	C	142	B	142	B	142	A
143	C	143	B	143	C	143	C (1 Grace mark to all)
144	A	144	C	144	A	144	A
145	C	145	B	145	C (1 Grace mark to all)	145	C
146	B	146	A (1 Grace mark to all)	146	A	146	C
147	D	147	D	147	C	147	B
148	B	148	D	148	C	148	C
149	D	149	B	149	B	149	C
150	D	150	C	150	C	150	A