SAMPLE PAPER
Bachelor Level

GROUP - 2
GRADUATES OF
[Science /Computer Science/
Home Economics / BE/ B-Tech]

FOR MASTERS PROGRAMS
ADMISSIONS-2014
ENGLISH

Complete the sentences by choosing the most appropriate option, from the given lettered choices (A to D) below each.

1. The Harvest Moon, the full moon nearest the autumnal equinox, ______ a period of several days when the moon rises soon after sunset.
   A. it brings
   B. bringing
   C. for bringing
   D. brings

Each question below consists of a related pair of words, followed by five lettered pairs of words. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair.

2. Drowse : Sleep ::
   A. order : countermand
   B. look : peruse
   C. obstruct : proceed
   D. attenuate : extend
   E. practice : improve

Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.

3. Consolidate
   A. disintegrate
   B. weaken
   C. disorganize
   D. erode

Choose the word most similar in meaning to the capitalized ones.

4. Soporific:
   A. memorial
   B. sleep producer
   C. awakening
   D. perspire
Read the passage to answer question 5-6

About 300 genera and 3,000 species of the Apiaceae family exist in the Northern Hemisphere. Nearly a quarter of these genera are native to the United States, with several large genera in the West. Members of this family are usually aromatic herbs with hollow stems, fern-like leaves, and small flowers in umbels that are further grouped into a compound cluster. The family is important for such foods as carrots, parsnips, and celery and such spices and seasonings as coriander, caraway, anise, parsley, and dill. However, some species are very poisonous.

5. Approximately how many genera of the Apiaceae family are native to the United States?
   A. 25
   B. 75
   C. 300
   D. 3,000

6. Which of the following is NOT mentioned as a member of the Apiaceae family?
   A. Parsnips
   B. Potatoes
   C. Carrots
   D. Parsley
IQ / GK

7. Arrange the following in “natural-order”.
"THINK", "SPEAK", "LISTEN"

A. THINK, SPEAK, LISTEN
B. LISTEN, THINK, SPEAK
C. SPEAK, LISTEN, THINK
D. THINK, LISTEN, SPEAK

8. The capital of China is:

A. Shangai
B. Beijing
C. Xian
D. Tokyo
E. Yen Kong
CHEMISTRY

9. Acetone is Latin word for ________.
   A. Vinegar
   B. Prion
   C. Butyrum
   D. Caper

10. Which of the following is the best reducing agent in water?
   A. Na
   B. Rb
   C. Li
   D. Cs
11. The goods, the benefits of which are available in a non-rival fashion are termed as:

A. Private goods
B. Public goods
C. Commercial goods
D. Usual goods
E. Government goods

12. The long run consumption is also known as:

A. Secular consumption function
B. Cyclical consumption
C. Spectral consumption
D. Complete function
E. None of the above
PHYSICS

13. The tail end of vector represented graphically is considered as:
   A. Closing point
   B. End point
   C. Initial point
   D. Zero point

14. Torsion couple in the galvanometer:
   A. Restores the coil to original position
   B. Is proportional to angle of deflection
   C. Is calculated by $c\theta$
   D. Is called restoring couple
   E. All of the above
ZOOLOGY

15. Development in a fertilized egg starts from:
   A. fragmentation
   B. regeneration
   C. cleavage
   D. invagination

16. Blood of annelids has:
   A. no corpuscles
   B. non nucleated corpuscles
   C. nucleated corpuscles with pigment
   D. colorless nucleated corpuscles
17. In fungi, the “Damping off” is caused by __________.
   A. Albugo
   B. Pythium
   C. Penicillium
   D. Plasmodiophore

18. Primary productivity of vegetation is directly related with rate of __________.
   A. Growth of producers
   B. Photosynthesis
   C. Death of producers
   D. Energy consumed
GEOGRAPHY

19. One of the chief products of vulcanian and pelean type of eruption is volcanic:
   A. ash
   B. lahar
   C. plug dome
   D. activity

20. The Thal Desert lies in a fertile patch of ______ Doab.
   A. Sandal
   B. Recna
   C. Jech
   D. Sindsagar
MICROBIOLOGY

21. Organisms that can live in harsh conditions are called:
A. Microbes  
B. Harshphiles  
C. Quantmphiles  
D. Extremophiles  
E. None of the above

22. The science of fermentation is known as __________ that converts sugars into alcohols.
A. biotechnology  
B. nano technology  
C. zymurgy  
D. biochemistry
BIO STATISTICS

23. Zahid received the following scores on his math tests during the last semester: 82, 83, 78, 90, 94, 91, 91, 89, 82. What was his median score?

A. 83.5  
B. 86  
C. 86.6  
D. 89

24. The probability of ‘happening’ or ‘not happening’ of an event is:

A. 1  
B. 2  
C. 1/3  
D. 5  
E. 8
25. Naturally occurring, crystalline, inorganic substances with a definite small range in chemical and physical properties are called:

A. Crystal
B. Rocks
C. Minerals
D. None of the above

26. ________ is a natural aggregate of one or more minerals.

A. crust
B. salt
C. rock
D. None of the above
BIO CHEMISTRY

27. Proteins called enzymes type of macromolecule carry out _________ in biological systems.
   A. catalysis  
   B. metabolize  
   C. anabolize  
   D. lipid

28. Uric acid is the ___________ end product of purines.
   A. catabolic  
   B. anabolic  
   C. metabolic  
   D. borphyrine
29. Every discrete topological space is:
   A. Metric
   B. Co finite
   C. Indiscrete
   D. Metrizable
   E. None of the above

30. Every abelian group is also known as:
   A. Semi Group
   B. Moniod
   C. Commutative Group
   D. Group
   E. Abelian Group
STATISTICS

31. ________ is used to order data elements according to their relative size or quality.
   A. Nominal scale
   B. Ordinal scale
   C. Ascending order
   D. Descending order

32. ________ probability distribution has two positive shape parameters.
   A. Gamma
   B. Second kind Beta
   C. First kind Beta
   D. Beta
33. Print preview command is useful to have a look at the document before it goes to ________.
   A. monitor
   B. printer
   C. scanner
   D. web cam

34. MS Excel files contain ________.
   A. sheets
   B. pages
   C. wallpapers
   D. slides
PSYCHOLOGY

35. The humanistic approach to psychology is focused on:

A. Behaviour  
B. The experience of early childhood  
C. Genetic influences on personality  
D. Descriptions of experience  
E. Conditioning  

36. The suggested cause of abnormal behavior, from the cognitive is:

A. Early childhood experiences  
B. Faulty thinking  
C. Faulty learning  
D. Unconscious, unresolved conflicts
PHYSIOLOGY

37. A nerve cell that receives stimuli from the outside is known as a(n):

A. Motor neuron
B. Sensory neuron
C. Efferent neuron
D. Interneuron
E. Ganglion

38. Sympathetic drive to the heart is increased:

A. In exercise
B. In excitement
C. In hypotension
D. All of the above
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