

AZAD JAMMU AND KASHMIR PUBLIC SERVICE COMMISSION

Examination for the post of Assistant Conservator of Forest (B-17)

Subject: English

Date 05/10/2015

Time: 3 hours

Maximum Marks: 100

1. Write an essay on any one of the following topics:

40

- i. Terrorism: Its causes and consequences
- ii. Water Crisis, a reason for third world war
- iii. Women Empowerment
- iv. Social Networking
- v. National Integration

2. Make a précis and suggest a suitable title to the following passage:

20

These are two considerations which deserve at least a word in any discussion of the future of the Indian theatre. The first is the rapid development of the cinema as a competitive for prophesied favour. At first, in the early flush of cinematic triumph people—some of whom might have been expected to, know better—prophesies the extinction of the theatre. It is now clear that though here and there, temporarily, the theatre may be affected, the cinema cannot hope to replace the stage and elbow it out of existence. Experience in the West has shown that the stage will always be required as a federal studio. For the technique is different and great stage actors have, always, to their disgust, discovered that film acting is at least only second best to them; it cannot mean to them what the stage means. Something is lacking in the human touch. In the theatre heart responds to heart and mind acts on mind in a way unknown to the cinema.

Thus there is no danger of extinction to the theatre. On the other hand, the rivalry of the screen ought to and will put theatre to a new test and give it a new stimulus that may well lead to still higher planes of artistic achievement.

Finally, a word about a national language spoken, written and thought might do for the theatre in India. With the new awakening in social life the need of a common tongue is being increasingly felt. Much work is being done to bring out a common linguistic medium. The day when, it is accepted will be a great day for the Indian theatre, as it will be for all art in the country. But the theatre, because its life blood is spoken word, will gain most. With a common tongue, with a live national consciousness, the theatre will become to its own as definite instrument of national unity reflecting the national mind, interpreting the national heart and dreaming national dreams for the future.

3. Make sentences of any five of the following pair of words: 10

- | | |
|----------------------|------------------|
| i. Kneel, Knell | v. Vain, Vane |
| ii. Minor, Miner | vi. Vogue, Vague |
| iii. Hew, Hue | vii. Brim, Brume |
| iv. Draught, Drought | |

4. Make sentences of any five of the following idioms: 10

- | | |
|---------------------------|-------------------------|
| i. Now and then | vi. Good for nothing |
| ii. Once in a blue moon | vii. Pie in the sky |
| iii. A piece of Cake | viii. A fool's paradise |
| iv. Pull one's leg | |
| v. Read between the lines | |

5. Make sentences of any five of the following Phrasal verbs: 10

- | | |
|---------------|---------------|
| i. Blow up | vi. Hang on |
| ii. Break in | vii. Pass out |
| iii. Check in | viii. Turn up |
| iv. Fall out | |
| v. Go after | |

6. write a letter to the Deputy Commissioner of your district complain against the swarming flow of beggars in your city : 10

Azad Jammu & Kashmir Public Service Commission

Examination for the Post of Assistant Conservator of Forest (B-17)

Subject: Basic Knowledge
Marks: 50

Paper: Current World Affairs
Time Allowed: 2 hours
Date: 5 October, 2015

Note. Attempt only three questions. Q-5 is compulsory.

Q.1 Identify vital political, economic and strategic interests of China in South Asia amidst contemporary geo political situation. (15 marks)

Q 2. Critically define the strategic importance of “Indian Ocean” in the present Scenario and analyze its importance for United States. (15 marks)

Q 3. Pakistan – China relations are time tested and historic. These relations have gained a momentum in the backdrop of China Pakistan Economic Corridor (CPEC) and other joint ventures. Explain. (15 marks)

Q 4. Bring Out the importance of Pakistan’s role in the world affairs being nuclear power and aims of Pakistan’s Foreign Policy. (15 marks)

Q 5. Write notes on any two topics: - (10 marks each)

- a. Terminology of AF-PAK
- b. Rohingya Muslims
- c. Kashmir issue.
- d. Pakistan-Russia relations.

**AZAD JAMMU AND KASHMIR
PUBLIC SERVICE COMMISSION**

Examination for the Post: Assistant Conservator of Forests (B-17), Forest Department

Question Paper

Date 06-10-2015

Subject: Basic Knowledge (Natural Sciences) Paper: Natural Sciences

Time Allowed: Three hours Maximum Marks: 100

Note: Exam is "closed books". Attempt a total of **six questions**, selecting any three questions from Section-I, one from Section-II and two from Section-III. Draw neat and clean labeled diagrams, where necessary.

SECTION – I (48 Marks)

(Attempt any **three** questions from Section-I. All questions carry equal marks)

- Q. 1: (i) Describe points of resemblance between Gymnosperms and Pteridophytes. (08)
(ii) Write down diagnostic features of Coniferales. (08)
- Q. 2: (i) Describe Mitosis and its stages in plant cell. Depict its significance in plant life. Elaborate your answer with figures. (08)
(ii) Write down structure and functions of "Xylem & Phloem" in coniferous trees. (08)
- Q. 3: (i) Describe and discuss the role of nervous system and endocrine system in the control of animal behavior. (08)
(ii) Discuss the diversity in digestive structure in vertebrates. (08)
- Q. 4: (i) Describe Dipole Moment. How it can be determined experimentally? Discuss the use of Dipole Moment measurements in determining the structure of simple organic and inorganic substances. (10)
(ii) Give four differences between ideal and non-ideal solutions. (06)
- Q. 5: (i) A solid cylinder of mass M and radius R is allowed to roll down a height h on an incline of inclination of an angle θ , without stopping. Find the velocity of centre-of-mass of the cylinder at the bottom. (08)
(ii) Differentiate between elastic and inelastic collision. (02)
(iii) Water is flowing through a pipe of area of cross-section 40cm^2 with speed of 2.5m/sec . Find the rate of flow. (03)
(iv) Derive the wave equation. (03)

SECTION – II (20 Marks)

(Attempt any **one** question from Section-II. All questions carry equal marks)

- Q.1 (a) What is unconformity?. Describe various types of unconformity, give examples from Pakistan (05)
- (b) How do the various silicates differ from one another structurally? (05)
- (c) Describe three forms of landforms developed by wind erosion (03)
- (d) Draw and explain electrical resistivity methods used for sub-surface exploration. (03)
- (e) Explain the terms "Pleochroism" and "Extinction". (04)
- Q. 2 (a) What is soil organic matter?. Describe its importance with special reference to agriculture. How a farmer can increase organic matter of cultivated soils? (05)
- (b) What is grafting?. Describe different methods of grafting. (04)
- (c) Define sericulture; explain its importance with special reference to livelihood opportunity for rural people in alleviating poverty. (04)
- (d) What is plant growth?. Explain edaphic and environmental factors affecting plant growth (03)
- (e) What is crop rotation?. What types of crop rotation are considered suitable for improving the fertility of degraded soils. (04)

SECTION – III (32 Marks)

(Attempt any **two** questions from Section-III. All questions carry equal marks)

- Q. 1 (a) What is rotation age and how is it fixed or determined in coniferous trees. Strengthen your answer by drawing a neat and clean diagram. (04)
- (b) How does growth take place in trees and explain different growth regions. (04)
- (c) What are various factors that control Spp. composition?. (04)
- (d) Explain various basis of classification of forest types. (04)
- Q. 2 (a) Explain essential elements of photosynthetic process. (04)
- (b) What is a silvicultural system?. What are the major silvicultural systems? How can regeneration be obtained in different silvicultural systems?. (06)
- (c) What are basis of classification of forest types (03)
- (d) What is management plan?. How is it prepared?. What are objectives of it?. (03)
- Q. 3 (a) What is stand structure?. Explain various types and salient features of stand structure. How can stand structure be modified to meet management needs?. (06)
- (b) What does SPAC stand for?. How it is regulated and what is its significance in plant growth?. (04)
- (c) Define carrying capacity and Animal Unit (AU). What are basic principles of range management?. (04)
- (d) Differentiate between felling cycle and regeneration period (RP) (02)

AZAD JAMMU AND KASHMIR
PUBLIC SERVICE COMMISSION

Examination for the Post: Assistant Conservator of forest B-17

Question Paper

Date 07-10-2015

Subject: Urdu Essay

Paper: Urdu Essay

Time Allowed 1+1/2Hours

Maximum Marks:50

مندرجہ ذیل موضوعات میں سے کسی ایک موضوع پر مضمون لکھیے؟

- ۱۔ اسلام اور امن عالم
 - ۲۔ اقوام متحدہ کی قراردادیں اور مسئلہ کشمیر کا حل
 - ۳۔ سودی نظام کی خرابیاں اور اس کا متبادل
 - ۴۔ مگر وہ علم کے موتی کتائیں اپنے آباء کی
- جو دیکھیں ان کو یورپ میں تو دل ہوتا ہے سپارہ
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AZAD JAMMU AND KASHMIR
PUBLIC SERVICE COMMISSION

Examination for the Post: اسٹیک کنسرو اور میٹرو آف فائلڈ (بی ۱۶)
Assistant Conservator of Forest (B-17)

Question Paper Date 07-10-2015

Subject: ISLAHIYAT Paper: اسلامیات

Time Allowed 1 1/2 Hours Maximum Marks: 50

NOTE: _____

نوٹ: صرف تین سوالات کے جوابات تحریر کریں حصہ اول میں سے ایک اور حصہ دوم میں سے دو سوال حل کریں۔ حصہ الف کے 16 اور حصہ دوم کے لئے 34 نمبر مختص ہیں

حصہ الف

درج ذیل آیات قرآنی میں سے ایک جز کا ترجمہ اور تشریح کریں۔؟

۱ النبیّ اولیٰ بلمومنین من انفسهم واذواجه امهاتهم و اولوالارحام بعضهم اولیٰ ببعض فی کتاب اللہ من المومنین و المهاجرین الا ان تغلوا الیٰ اولیاء کم معروفًا و کان ذالک فی الکتاب مسطورًا۔

۲ والذین ہم لفروجهم حفظون الا علیٰ اذواجهم او ما ملکت ایمانهم فان ہم غیر ملومین۔
فمن ابتغیٰ وراء ذالک فا اولئک ہم العادون۔ والذین ہم لاماناتهم و عہدہم راعون۔

حصہ ب

۳ اقامت دین کے نبوی ﷺ طریقہ پر سیر حاصل بحث کریں؟

۴ زکوٰۃ کا مفہوم، فرضیت، فوائد و ثمرات خصوصاً غربت کا خاتمہ صالح معاشی نظام سے کس طرح ممکن ہے مفصل نوٹ تحریر کریں؟

۵ اسلامی اور مغربی تہذیب کا موازنہ کریں اور اسلامی تہذیب کے مغرب پر اثرات بیان کریں؟

۶ مقاصد شریعہ اور اجتہاد پر مدلل مضمون تحریر کریں؟